Design & Development Process

The Six Ds

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Slides

granneman.com/downloads/web-dev/Design-Process.pdf

chnsa.ws/design-process-slides

Notes

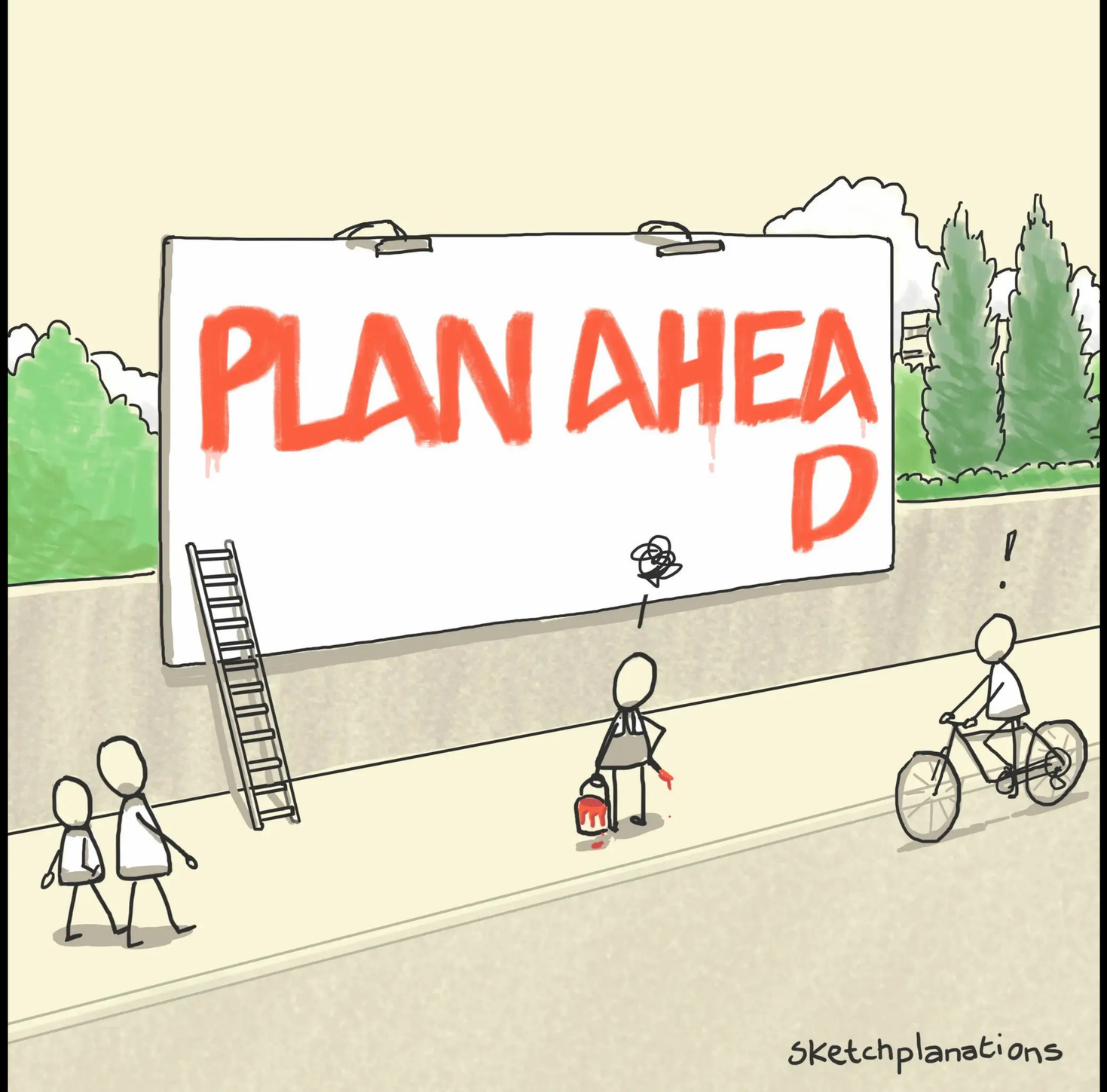
granneman.com/downloads/web-dev/Design-Process.txt

chnsa.ws/design-process-notes

All of my presentations

granneman.com/presentations/all-presentations

chnsa.ws/all-presentations


PLAN AHEA
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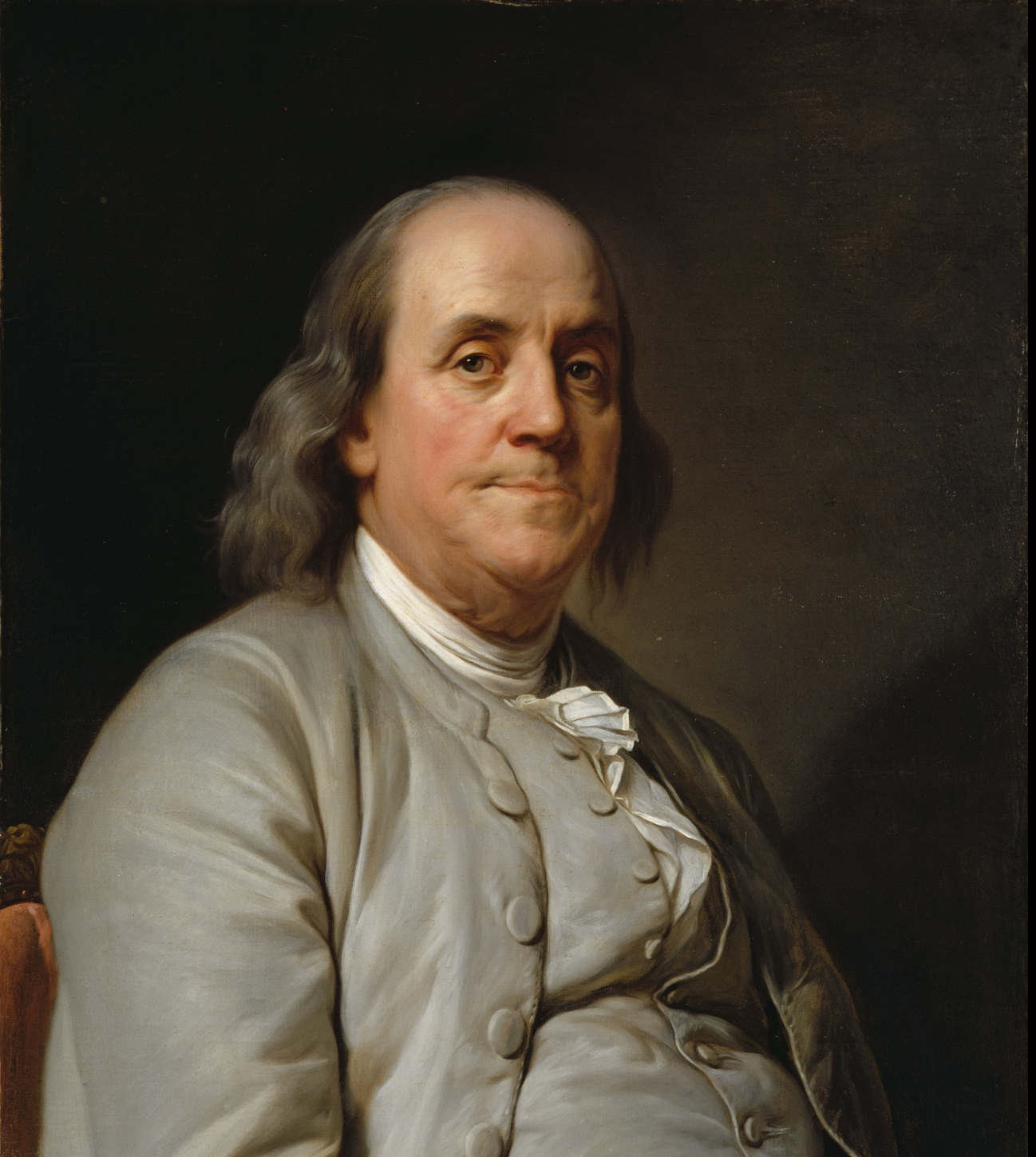
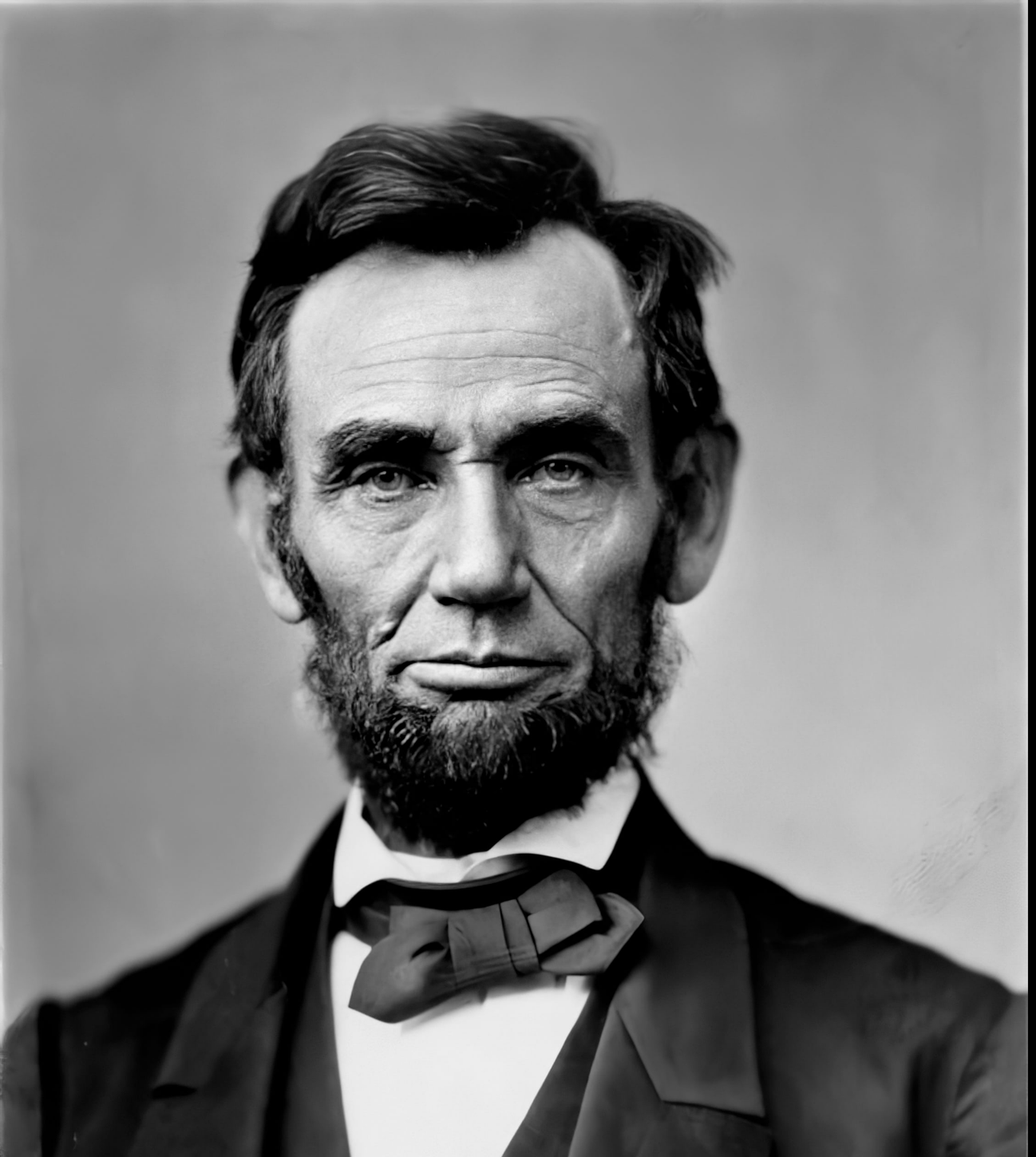


“Failing to plan is planning to fail.” —Benjamin Franklin



“Don’t believe everything you read on the Internet just because there’s a picture with a quote next to it.” —Abraham Lincoln

The process of Web development has become standardized over the last several decades into 6 steps

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Discovery

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Discovery
Definition

The process of Web development has become standardized over the last several decades into 6 steps

Discovery
Definition
Design

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Discovery
Definition
Design
Development

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Discovery
Definition
Design
Development
Deployment

The process of Web development has become standardized over the last several decades into 6 steps

Discovery
Definition
Design
Development
Deployment
D-Maintenance

Roles

Stakeholders

Stakeholders

People representing role(s) within the organization that have specific goals for the website

Make sure you know what/who is *not* a stakeholder

Who are your different departments?

What do they want from your website?

Stakeholders bring 3 types of knowledge

1. Industrial
2. Professional
3. Institutional

Industrial knowledge

How do zoos (or universities, or non-profits, or cities) work?

Professional knowledge

How do marketers (or accountants, or researchers, or police) work?

Institutional knowledge

How does the Saint Louis Zoo (or Habitat for Humanity, or the ACLU-NJ, or the City of Bellefontaine Neighbors) work?

Experts

Experts

“An expert is someone from out of town with a briefcase.”

The people you’re hiring to bring their knowledge & skills to create your website

People have to specialize — no one person can do it all

Project Management

Drives the process

Serves as documentarian, facilitator, & mediator

Understands importance, purpose, & needs of everyone involved in the project

Keeps everyone on task & focused — like a traffic cop

Certifications

Project Management Professional (PMP)®

Agile Certifications

Micro-Credentials

Project Management Professional (PMP)®

Certified Associate in Project Management (CAPM)®

Supercharge Your Skills and Work Smarter - Earn the New PMP Certification

The Project Management Professional (PMP)® is the world's leading project management certification. Now including predictive, agile and hybrid approaches, the PMP® proves project leadership experience and expertise in any way of working. It supercharges careers for project leaders across industries and helps organizations find the people they need to work smarter and perform better.

Take the PMP® certification exam at home or in your office, when it fits your schedule. Learn more about the online proctored exam and how to prepare for the current exam.

Apply for PMP Certification

Login or Create Your Account

CONTINUE

Prepare for the PMP® Exam

Strategy & Analysis

Will the end product make sense for your organization?

Applies power of the Web to project's needs

Must possess deep understanding of Web's capabilities, technologies, & trends

User discussions?

Based on your company & needs, Discourse is the best discussion board.

Timely press releases?

Easy: RSS!

User-Centric Design

Understands your audience & designs for their needs

Need knowledge of both aesthetic design & human-computer interaction (HCI)

Must balance looks & functionality

Website must have…

» Attractive aesthetics
» Great content
» Usable functionality

Lacking any one of these spells probable failure

Works carefully with graphic designers

Writers & Content Creators

Can be highly specialized

However, lower-level workers can be involved here as well

Everyone should know about Creative Commons

View at
chnsa.ws/24h

Everyone should know about Creative Commons

View at
chnsa.ws/24h

Application Development

Efficiently produces error-free code

Costs more per hour than other aspects

Thorough planning reduces time, lowers costs, & increases likelihood the project will succeed

Can include display layer coder (HTML & CSS) as well as programmer (e.g., JavaScript, Rust, Python)

Don’t forget database & server admins!

Quality Assurance

Before you can do QA, you must know how to measure success

QA consists of…

- Debugging
- Testing
- Evaluating

To perform these tasks, you must plan for them

Performed by both experts & stakeholders

Process

6 phases

1. Discovery
2. Definition
3. Design
4. Development
5. Deployment
6. D-Maintenance

Discover	Inception	Foundation
Design	Elaboration	Blueprinting
Develop	Construction	Building
Deploy	Transition	Evolution

Sometimes it’s expressed as a 4-step process, with different names

Milestones serve as progress markers or rewards

Iteration 🔄 occurs at almost all of the 6 steps

Discovery

Gather information to understand purpose, goals, & content: answer *who*, *what*, *when*, *where*, & *why*

Notice there is no *how*

Why do you want the website?

Who's the website for, from the perspective of the business *and* the customers?

What is the purpose of the website? *What* will it contain?

When do you need the website available?

Where will the site reside? *Who's* going to manage it?

“The sooner you start to code, the longer the program will take.” —Roy Carlson

“Weeks of coding can save you hours of planning.” — Reddit

“The first step of any project is to grossly underestimate its complexity and difficulty.” —Nicoll Hunt

💡 PRO TIP

To avoid problems, *always* follow these 2 rules:

1. Write *everything* down
2. *Never* design or code until you have a signed contract & the design is approved

Definition

Purpose: answer *how* the site will be built

Define scope & structure of your website

Identify potential site features

Set expectations & measures of success

Remember enhancements for the future

Finished when you document the project’s scope

No scope changes after this!

Deliverables

- Site Plan document
- Site map
- Wireframe staging site

Site Plan

1. Introduction
2. Description of Organization
3. Impetus for Project
4. Role Model Sites
5. How to Judge a Website
6. Website Areas of Focus
7. Requirements Overview

6. Website Areas of Focus

Areas of focus provide advantages & value to your organization

Should be limited to no more than 7

Last one is always *Mobile-friendly*

5 items for each area of focus

1. *Website goals*: what the website should accomplish
2. *User tasks*: specific things users want to do
3. *Website features*: how the website meets your goals & enables users to accomplish tasks
4. *Success criteria*: how to judge if goals have been met & users can accomplish tasks
5. *Who's in charge*: overseeing roles within your organization

7. Requirements Overview

7.1 Navigation

7.2 Page Types

7.3 Features

7.4 Design

7.1 Navigation
7.1.1 Core Site Sections
7.1.2 Getting Back Home
7.1.3 Utility Group
7.1.4 Sub- or Child-Page
7.1.5 Breadcrumb
7.1.6 Footer
7.1.6.1 Home Page
7.1.6.2 Other Pages
7.1.6.3 Conventional Footer
7.1.7 Targeted Users

7.3 Features

7.3.1 Standard Features

7.3.2 Special Features for Your Site

7.3.3 Future Features

Site Map

Describes the structure of the website, but not what each page looks like

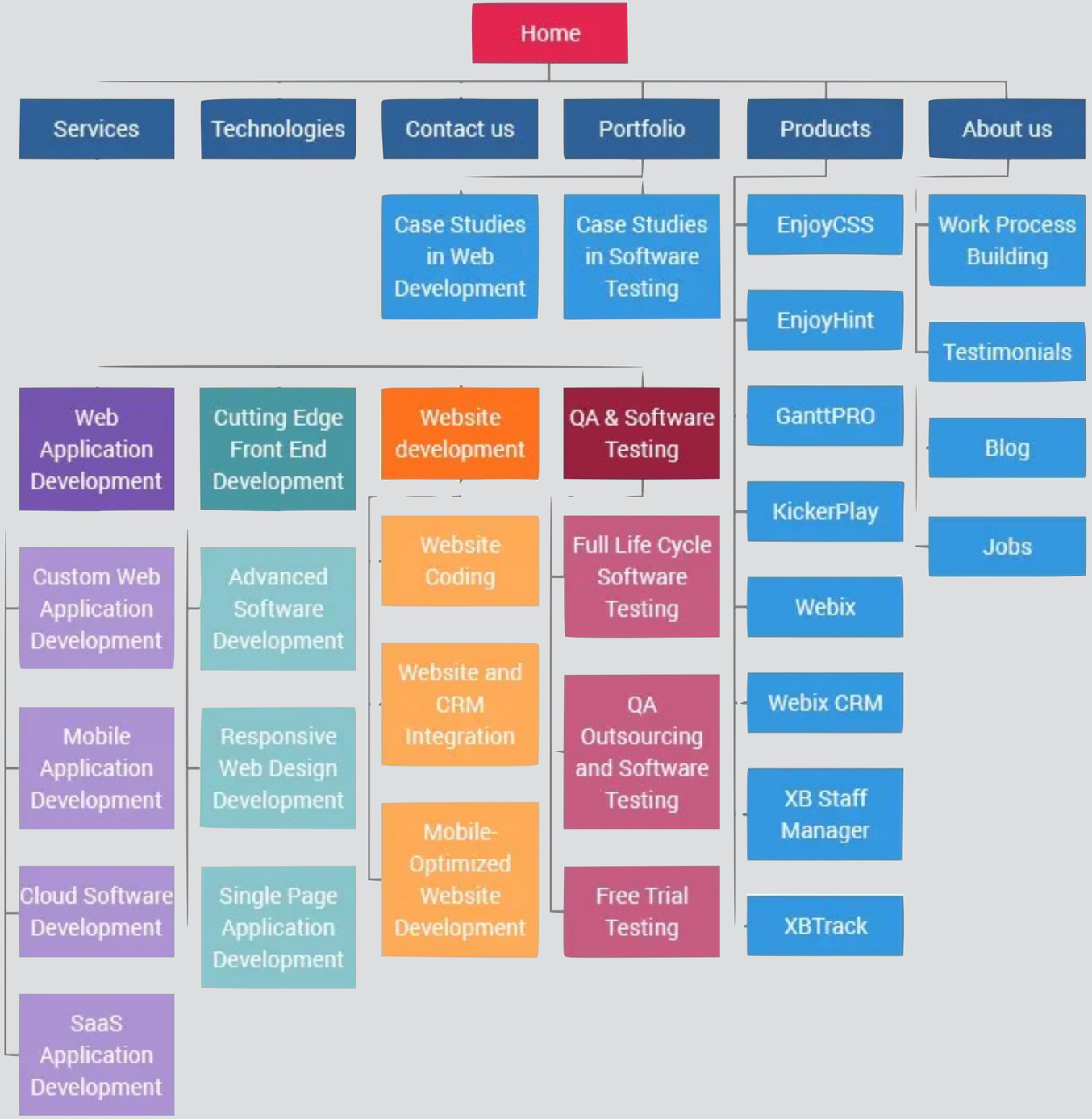
Helps everyone understand the relationships between all the sections & pages

Goal: easy for users to navigate the website

Do not spend a lot of time using fancy software to make a beautiful org-chart style site map*

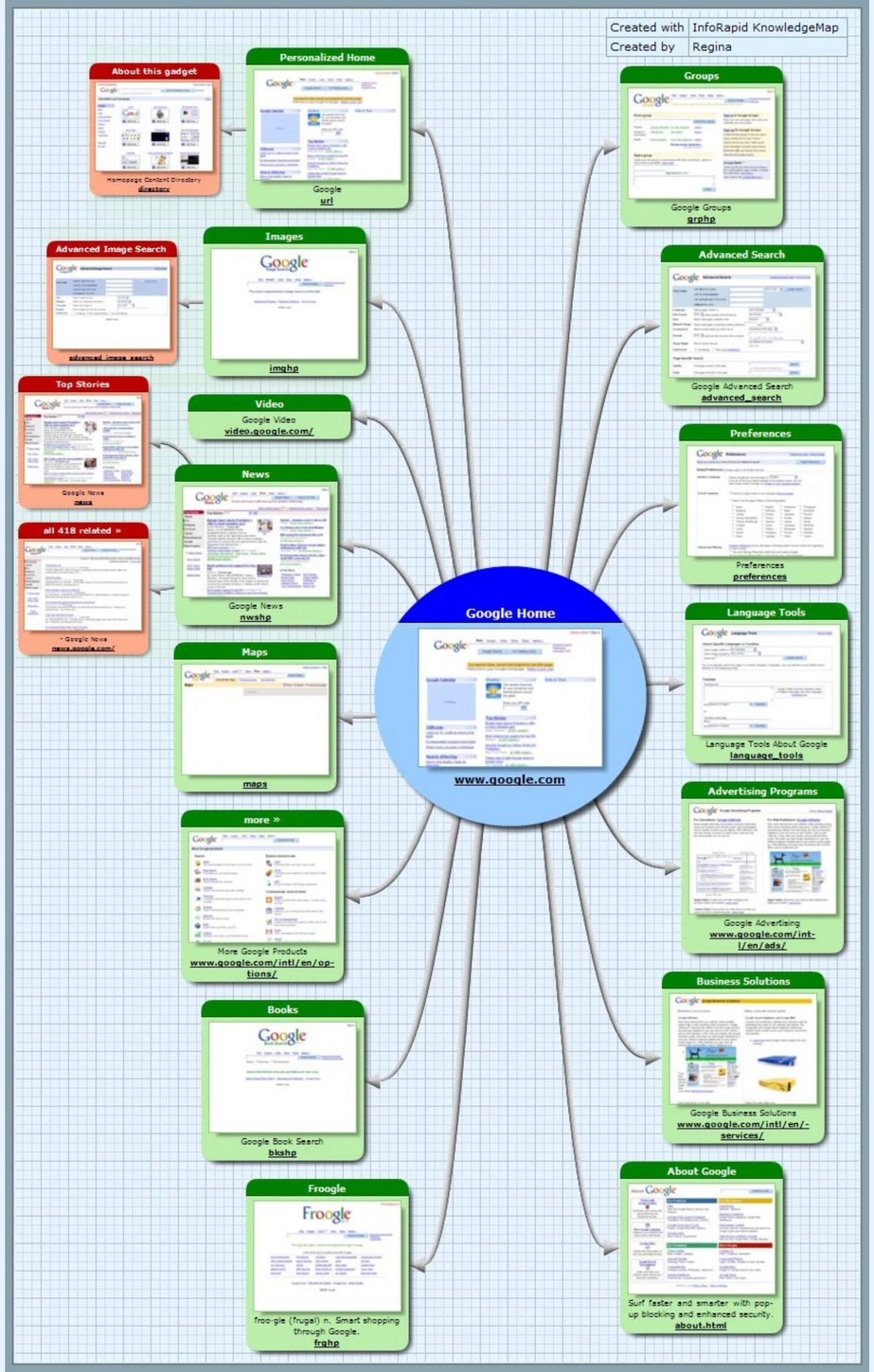
Just outline it

*Unless you work for a design firm that bills clients a lot of money for that stuff



Org chart-style site map

Way too much work



Mindmap-styled site map

Way too much work & not that useful

1. **About Us**
    - 1.1. Mission & Profile
    - 1.2. History: A Family Business
    - 1.3. Management Team
    - 1.4. Bussen Realty
    - 1.5. Employment

2. **Quarries**
    - 2.1. Overview - FAQ
    - 2.2. Products
        - 2.2.1. Riprap Stone
        - 2.2.2. Crushed Stone
        - 2.2.3. River Sand
    - 2.3. Locations
        - 2.3.1. Jefferson Barracks Plant
        - 2.3.2. Antire Quarry Plant
        - 2.3.3. Trautman Quarry Plant
    - 2.4. Material Safety Data Sheets
    - 2.5. Gradation Charts
    - 2.6. Quantity Calculators
    - 2.7. Credit Application (form)

Part of a site map outline

Virtually any software that handles text can be used to create an outline

Just outline the site's structure!

OmniOutliner 🍎📱📱 $49/yr subscription or $20/$100

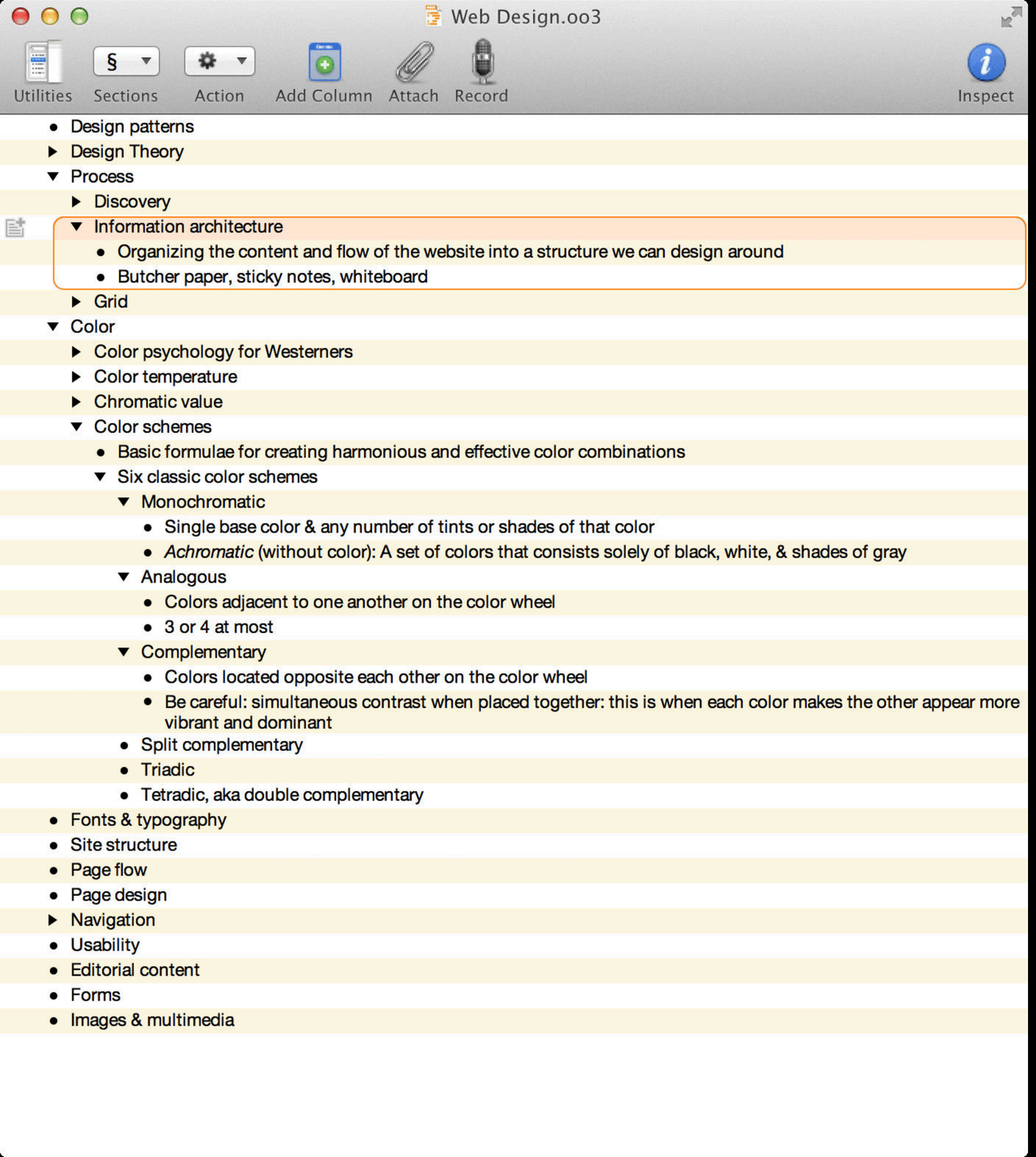
Checkvist 🕸 Free or $39/yr

Workflowy 🍎⊞🦅 📱📱🤖 $5/mo or $50/yr; $0 students

OutlineEdit 🍎 $30

Obsidian 🍎⊞🦅 📱📱🤖 $0, $25, or $50/yr; $96/yr sync

OmniOutliner



I mostly use a Mac tool called OmniOutliner

It's $100, but I use it constantly, & I've made thousands of $ using it

You have to spend $ to make $

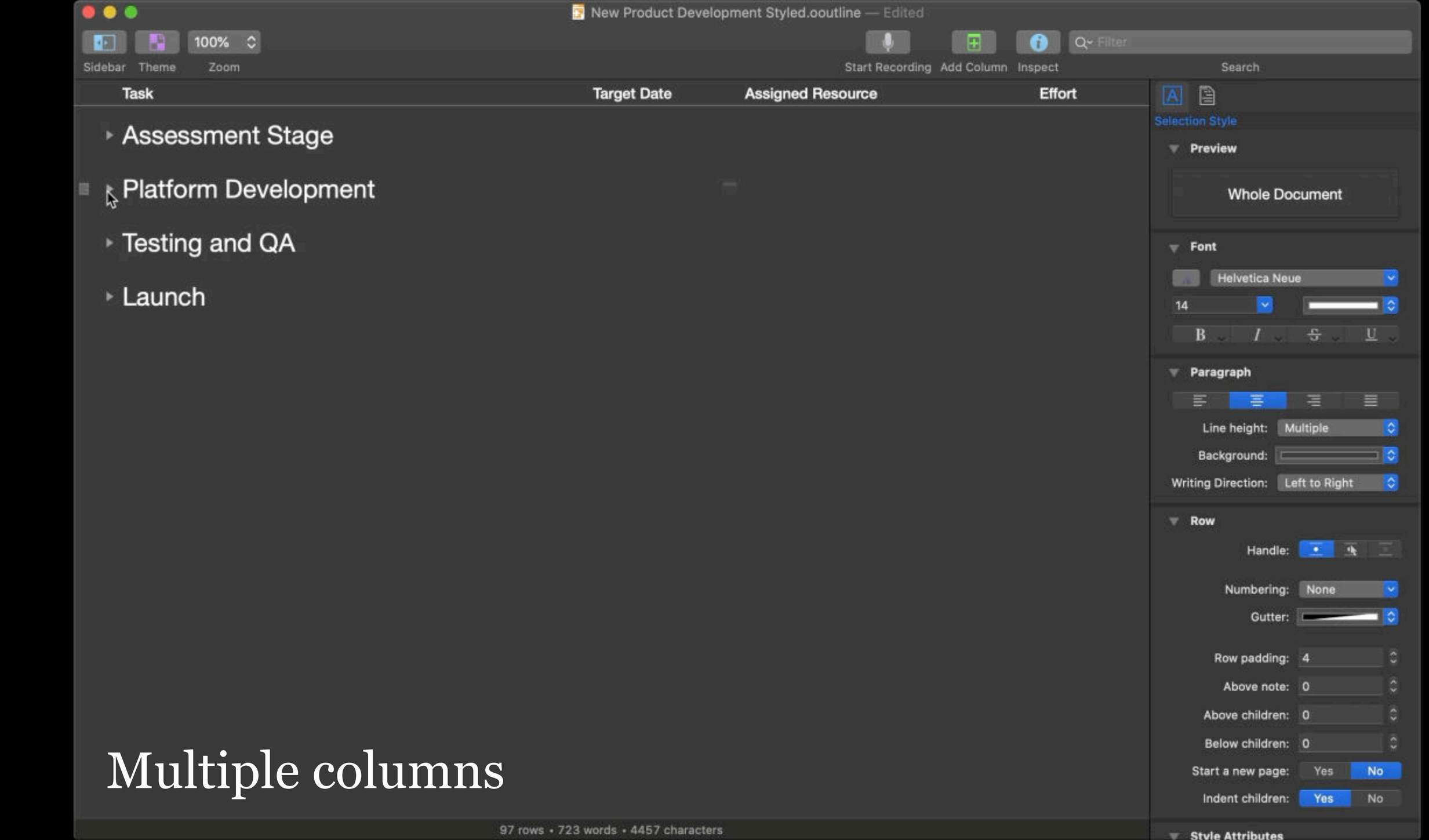
CONTENTS

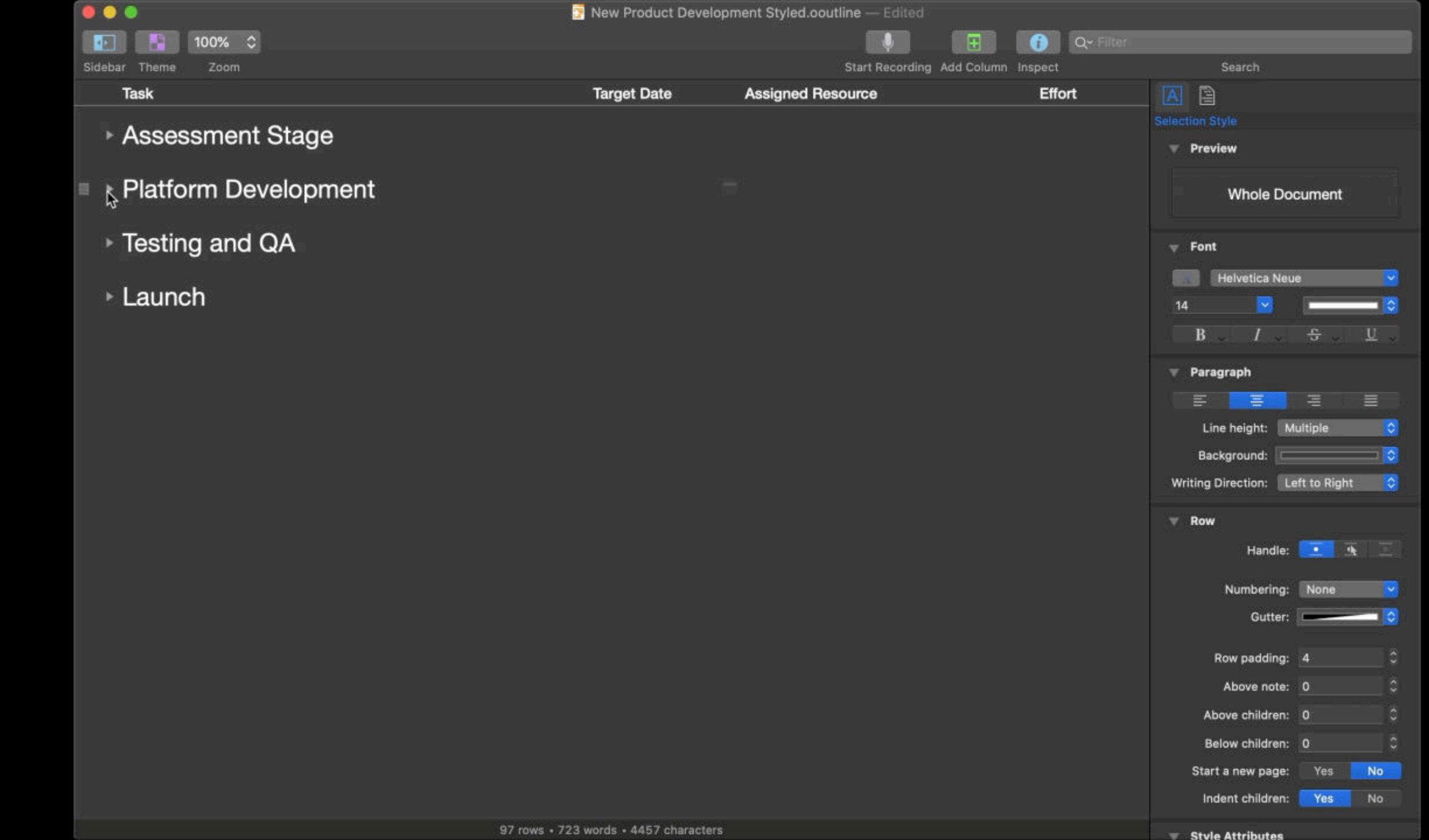
- Overall
- Intro
- 1 Things to Know Abo…
- 2 The Basics
- 3 Learning Abo…
- 4 Building Blocks
- 5 Viewing Files
- REMOVE: 6 Printing a…
- ADD: 6 Manipulating T…
- 7 Ownership…
- 8 Archiving a…
- 9 Finding Stuff: Easy
- 10 The find Command
- 11 Your Shell
- 12 Monitoring Syste…
- 13 Installing Software

STYLES

Whole Docu…
Column Titles
Level 1 Rows
Level 2 Rows
Level 3 Rows

Topic	Command
• Redirect a Command's Output to a File	>
▼ FIX: Prevent Overwriting Files When Using Redirection	
• Add command to beginning of chapter: set -o noclobber	
• Append a Command's Output to a File	>>
• Use a File As Input for a Command	<
• ADD: Combine Input and Output Redirection	< >
▼ ADD: Send Output to a File and to stdout at the Same Time	tee
• Try this: find . -type f -print0 | tee /tmp/file-list | xargs -0 egrep whatever Does /tmp/file-list (view it with something that doesn't mind nulls) contain your desired file(s)? If no, it's a find problem. If yes, it's an xargs matter.	
• Conclusion	
▼ 5 Viewing Files	
• FIX: Change chapter title to Viewing (Mostly Text) Files	
• NEW: Figure Out a File's Type	file
• View Files on stdout	cat
• Concatenate Files to stdout	cat file1 file2
• Concatenate Files to Another File	cat file1 file2 > file3
▼ FIX: Concatenate Files and Number the Lines	cat -n file1 file2
• ~~Change 2 poems in example to Ogden Nash, each 2 lines long, for shorter example~~	
▼ EDIT NOTE to:	
• Remove dog (it's dead)	


New Product Development Styled.ooutline — Edited
Sidebar
Theme
100%
Zoom
Start Recording
Add Column
Inspect
Filter
Search
Task
Target Date
Assigned Resource
Effort
Assessment Stage
Platform Development
Testing and QA
Launch
Selection Style
Preview
Whole Document
Font
Helvetica Neue
14
Paragraph
Line height:
Multiple
Background:
Writing Direction:
Left to Right
Row
Handle:
Numbering:
None
Gutter:
Row padding:
4
Above note:
0
Above children:
0
Below children:
0
Start a new page:
Yes
No
Indent children:
Yes
No
Style Attributes
97 rows • 723 words • 4457 characters
Multiple columns


New Product Development Styled.ooutline — Edited
Sidebar
Theme
100%
Zoom
Start Recording
Add Column
Inspect
Filter
Search
Task
Target Date
Assigned Resource
Effort
Assessment Stage
Platform Development
Testing and QA
Launch
Selection Style
Preview
Whole Document
Font
Helvetica Neue
14
Paragraph
Line height:
Multiple
Background:
Writing Direction:
Left to Right
Row
Handle:
Numbering:
None
Gutter:
Row padding:
4
Above note:
0
Above children:
0
Below children:
0
Start a new page:
Yes
No
Indent children:
Yes
No
Style Attributes
97 rows • 723 words • 4457 characters

4 easy OmniOutliner key commands make reorganizing fast & simple

⌘⌃↑ Move node or section up

⌘⌃↓ Move node or section down

⌘⌃→ Move node or section in

⌘⌃← Move node or section out

Checkvist

Introduction to Checkvist

Everything on shortcuts. Only one to remember. Press `Shift` `Shift` for anything.

Manage tasks

- **Endless hierarchy: sub-tasks galore**
  - Write down line after a line `Enter`
  - Create sub-tasks `Shift-Enter`
    - Indent and un-indent `Tab` and `Shift-Tab`
  - **Re-order with** `Ctrl-up/down`
- **Checkboxes, bullets and numbers**
  - [ ] Start a line with []
  - [ ] Choose a list style in the Options menu
  - **Complete with** `Spacebar`
- **Hide completed tasks with** `hc`
  - or select this option from the Options menu in the toolbar
- **Linking**

- **Linking**
  - Create links by typing `[[`
  - Hover link with mouse to see the **preview** for the linked item
- **Copy and re-use**
  - Copy a whole list from the **...** menu
  - Copy and paste any part of the list with `Ctrl-c` and `Ctrl-v`

Manage projects

- **Due dates** `dd`
  - Today `td`
  - Tomorrow `tm`
  - Asap `as`
  - Clear due date `cd`
- **Tags** `tt`
  - Including colored and private tagging
  - Clear tags `ct`
- **Priorities** from `1` to `9`
- **Progress counter** `pc` (1) 2h
  - Use tags to set time estimates, and progress counter will show how much time/tasks is left to complete 2h
- **Assignee** `ae`

Create outlines

Focus, hoist, zoom in `Shift →`

Markdown formatting

All Github flavoured Markdown

And automatic headers with `mh`

Hyperlinks `Ctrl-k`

Cut, copy, paste, duplicate `Ctrl-x` `Ctrl-c` `Ctrl-v` and `Ctrl-d`

Notes as comments `nn` 1

Export an outline as a draft for your lecture, article, book `ex`

Or select the **Export** command from the **...** menu

Do research

Import `im`

Or select the **Import** command from the **...** menu

Search `/`

Global search: type and press `Enter` `Enter`

Bookmarklets to collect data

Chrome bookmarklet

Firefox bookmarklet

Email in

Email in

1. Select **Add tasks via email** in the **...** menu.
2. Copy the list address.
3. Send emails to that address, and they will appear in the the list.

Advanced features not to miss out

Distraction-free 'Zen' mode `om`

Tag lists and group them by tags

Double-click the list name and add a #tag

Or, select several lists on the Lists homepage, and use the bottom bar to set tags.

Move tasks between the list `mm`

Bulk operations

Multi-select and use the same shortcuts

Restore deleted items ~24 h `rd`

Attach files with `at`

Or drag-and-drop images right onto the list item. 1

Embed illustrations

edit a list item and type **img:** or use drag-and-drop

Enough reading! 🤓 **Create your list**

Workflowy

Exceed Your Academic Goals

Workflowy is the online notepad that helps you juggle a million things at once in school and crush it.

Forgetful or disorganized?

Capture Everything

Take notes at the speed of thought. Add photos, files and screenshots in seconds. No more missing details.

Have too many things to do?

Track All Your Assignments

Easily organize any class or activity with kanban boards and infinite nesting. Say goodbye to last-minute panic.

Need help thinking clearly?

Draft & Outline Like a Pro

Drag-and-drop editing helps you organize your ideas to create amazing papers. Tap into your inner Hemingway.

Sign up

Great Class Notes

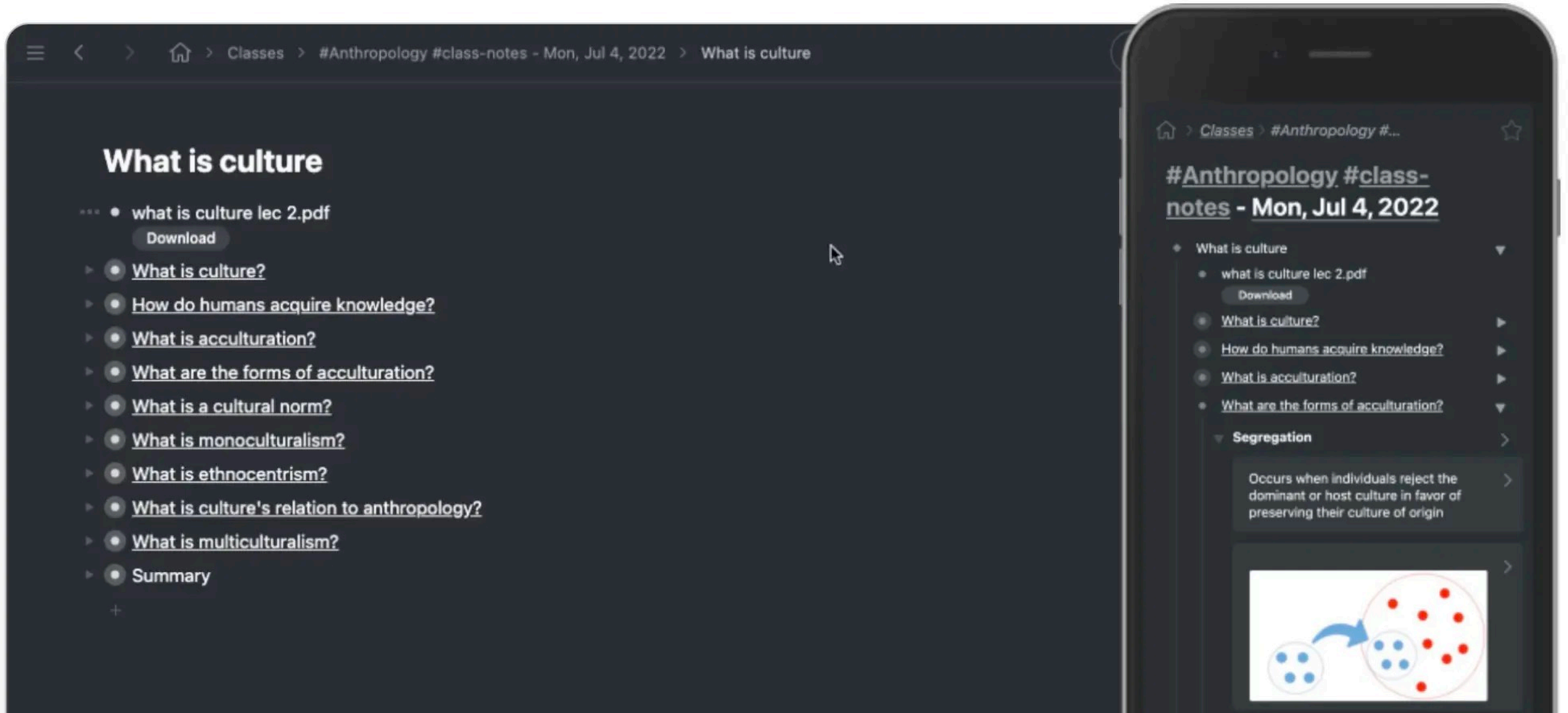
- All your data auto-syncs to the cloud
- Take notes on the go with mobile apps
- Add files and images anywhere
- Tag anything for later reference

Top Notch Research

- Easily add external and internal links
- Track references with tags and links
- Lightning-fast global search
- Export your data in multiple formats
- Auto-backup all your data to Dropbox

Effortless Studying

- Turn your notes into study guides
- Use the mobile app to study anywhere
- Distraction-free interface
- Share and create study guides collaboratively



Project Collaboration

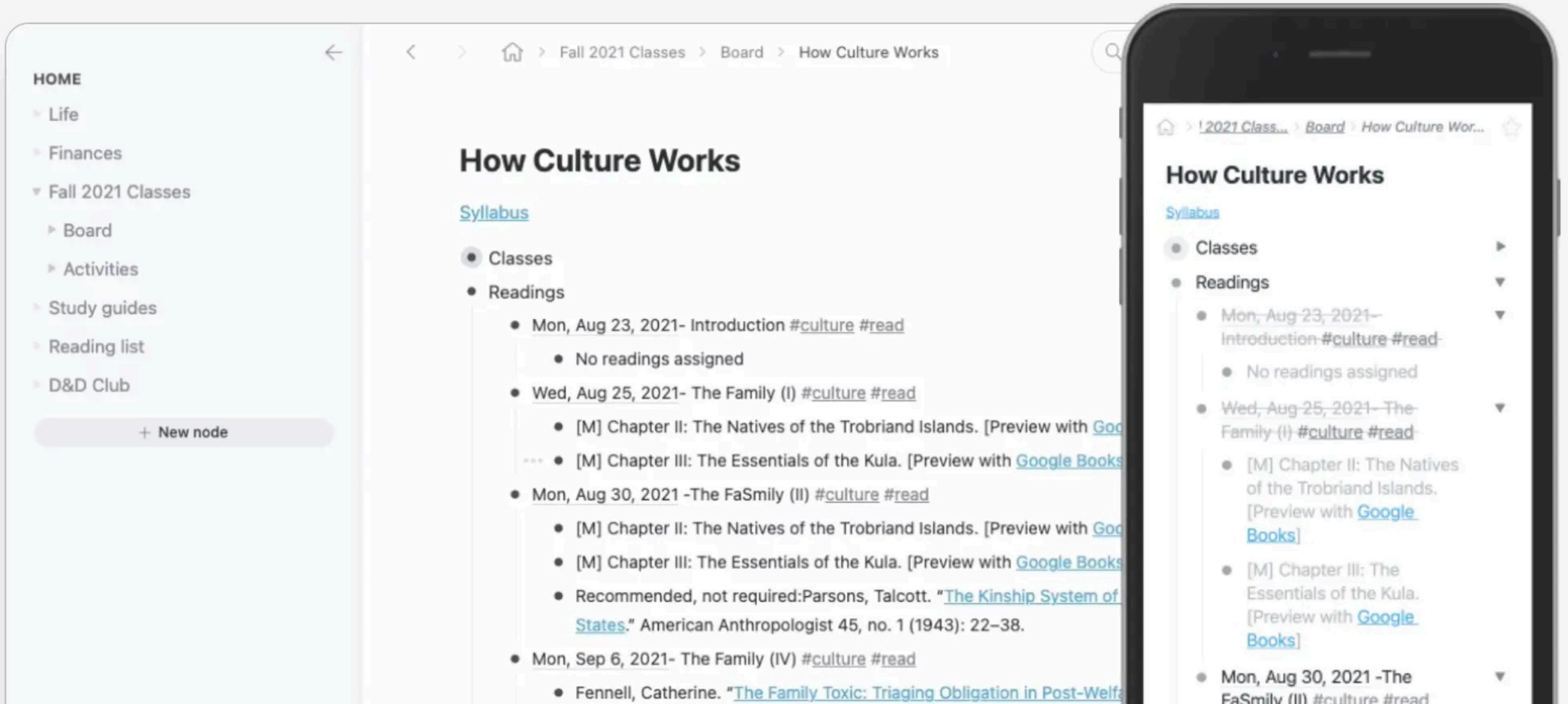
- Real-time collaborative editing
- Use kanban boards to organize tasks
- Built-in sharing permissions
- Your collaborators don't need a Workflowy account to view or edit

Activity Tracking

- Track everything from a single app
- Build your own productivity system
- Any item can become a task
- Infinitely combine lists and boards
- Daily changes are emailed to you

Seamless Drafting

- Infinitely nest items under other items
- Drag-and-drop edit entire sections
- Duplicate everything and draft multiple versions in seconds
- Internal links let you quickly gather references



Start With a Template

Hit the ground running with one of our easy to use templates

Student Starter Template

A little bit of everything to get started. Track your classes, take notes, and also organize your personal life.

View Template

Daily Agenda Template

For those that like to plan ahead and keep a running log of everything. This kanban-focused template is for you.

View Template

Basic Research Template

If your life revolves around reading, researching and drafting, this is the template to start with.

View Template

Available Everywhere

Templates

Browse our ever-growing collection of templates to help you quickly get started with Workflowy.

Meetings | Engineering | Design | Product | Marketing | Sales | Education | Personal

Meetings

More templates →

Meetings: Made Simple with WorkFlowy

Secelia McCain

Project and Meetings Model

Richard Bird

The Best Meeting Template for Workflowy

Levi Fry

Making (Project) Meeting Notes Actionable

Kyle Jones

2022 Goals + Review

- 🟡 **2021 Review**
  - Personal
  - People
  - Professional
- 🟢 **2022 Planning**
  - 📕 Goal templates
    - Outcome
      I want to achieve [goal]
      - Specific
        Who?, What?, When?, Where?, Why?, Which?
      - Measurable
        How will I measure my progress?
      - Attainable
        It it possible for me to do this?
      - Relevant
        Does this make sense for me right now?
      - Time-based
        When will I do this? What's the deadline?
    - Performance
      I want to get better at [goal]
    - Process
      I want to [goal] every [period of time]
  - 🏆 My Goals

HOME

Title:

🧭 Overview:

🎁 Deliverables:

💰 Budget:

📆 Timeline:

Start date:

End date:

🙂 Personas:

What audience are we trying to r

📊 Success metrics:

📣 Key messaging:

🎭 Tone:

📐 Specs:

🗄️ Current and recent projects (c

📕 Additional considerations:

Creative brief

- **Title:**
- 🧭 **Overview:**
  - Why are we doing this?
- 🎁 **Deliverables:**
  - What assets will we be producing?
- 💰 **Budget:**
  - Either a specific number or range
- 📆 **Timeline:**
  - Start date:
  - End date:
- 🙂 **Personas:**
  - What audience are we trying to reach?
- 📊 **Success metrics:**
- 📣 **Key messaging:**
- 🎭 **Tone:**
- 📐 **Specs:**
- 🗄️ **Current and recent projects (optional):**
- 📕 **Additional considerations:**

🗣️ Client

Details

Background

Brand personality

Competition

- What makes the client unique
- What are their videos like?

Objectives

- Objective 1
- Objective 2
- Objective 3

Client contacts

📽️ Project

Deadline

Budget

- Labor
- Equiptment
- Other

Message

- Tone
- Visuals

Audience

Distribution

Specs

Scheduling

🎞️ Deliverables

Video 1 #production
Due: Tue, Jan 3, 2023

Video 2 #pre-production
Due: Tue, Jan 10, 2023

Video 3 #pre-production
Due: Tue, Jan 17, 2023

Details

Customer

- Name
- Age
- What they do

Scenario

- Context about the customer's situation

Goals and expectations

- What is the customer trying to achieve?

Step 1

Expand column

Step 2

Goal

- What is the customer trying to accomplish at this step?

Actions

Touchpoint

- What parts of our product is involved?

Thinking

Feeling

Opportunities

Ownership

Step 3

Expand column

ℹ️ Context

What is the problem

Impact

Current solution

Solution requirements

🧠 Proposal

Expand column

✋ Tensions

Expand column

⚡ Actionables

Expand column

"The Power user"

Name:

Age:

Gender:

About:

Experience level:

- How familiar are they with the product?

Context:

Goals:

- What are they trying to accomplish with our product?

"The Casual User"

Name:

Age:

Gender:

About:

- What does this person do in 'real life'

Experience level:

Context:

- What is their relationship to our product?
- Why do they use it?
- How do they use it?

"The Newbie"

About:

Experience level:

Context:

Goals:

Concerns:

- What is most important to them with regards to our product?

Quote:

- Memorable quote that sums up the person's attitude

OutlineEdit

outline edit

- Discover
- Arcade
- Create
- Work
- Play
- Develop
- Categories
- Updates

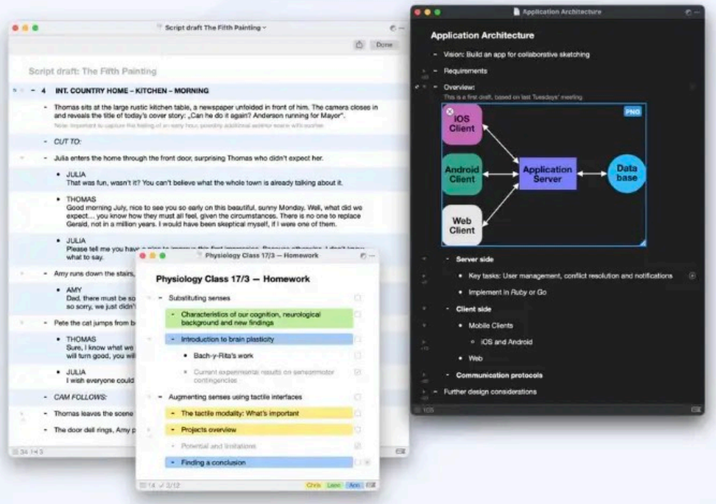
Scott Granneman

OutlineEdit 3

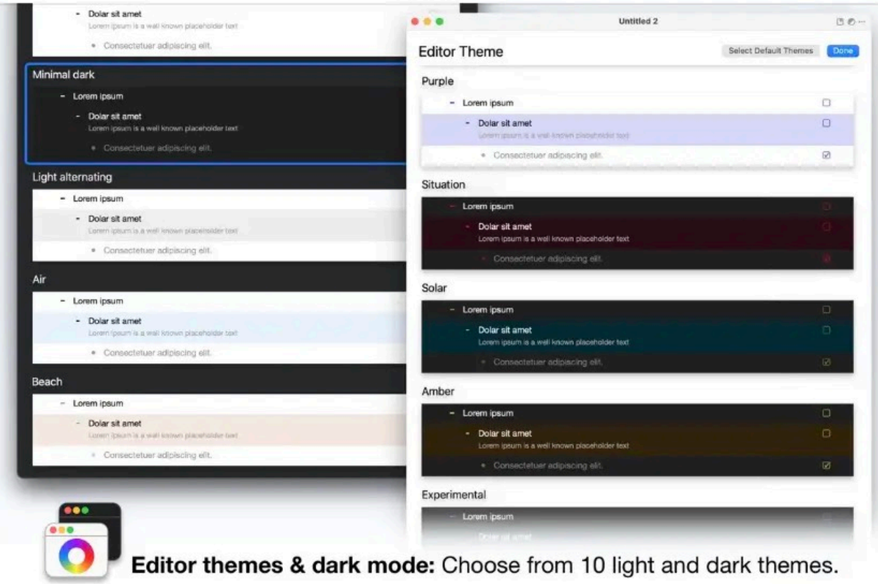
Structured Documents & Notes

$29.99

2 RATINGS	AGE	CATEGORY	DEVELOPER	LANGUAGE	SIZE
5.0 ★★★★★	4+ Years Old	Productivity	Robin Schnaidt	EN + 1 More	2.8 MB



Outlines in the center & fully native: Stunning structured documents, in a breeze.



Editor themes & dark mode: Choose from 10 light and dark themes.

Mac

Plan, structure & write better with OutlineEdit 3. Same ease of use, now more powerful than ever. For creatives.

Robin Schnaidt

OutlineEdit 3 File Edit View Statistics Categories Checkboxes Font Window Help

Script draft The Fifth Painting

Done

Script draft: The Fifth Painting

- 4 **INT. COUNTRY HOME – KITCHEN – MORNING**

- Thomas sits at the large rustic kitchen table, a newspaper unfolded in front of him. The camera closes in and reveals the title of today's cover story: „Can he do it again? Anderson running for Mayor".
  Note: Important to capture the feeling of an early hour, possibly additional exterior scene with sunrise.

- *CUT TO:*

- Julia enters the home through the front door, surprising Thomas who didn't expect her.

  - JULIA
    That was fun, wasn't it? You can't believe what the whole town is already talking about it.

  - THOMAS
    Good morning July, nice to see you so early on this beautiful, sunny Monday. Well, what did we expect… you know how they must all feel, given the circumstances. There is no one to replace Gerald, not in a million years. I would have been skeptical myself, if I were one of them.

  - JULIA
    Please tell me you have a plan to improve this first impression. Because otherwise, I don't know what to say.

- Amy runs down the stairs,

  - AMY
    Dad, there must be so
    so sorry, we just didn't

- Pete the cat jumps from b

  - THOMAS
    Sure, I know what we
    will turn good, you will

  - JULIA
    I wish everyone could

- *CAM FOLLOWS:*

- Thomas leaves the scene
  The door dell rings, Amy p

34 3

Physiology Class 17/3 — Homework

Physiology Class 17/3 — Homework

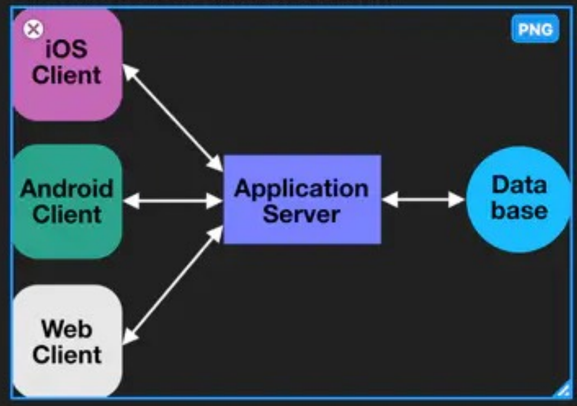
- Substituting senses
  - Characteristics of our cognition, neurological background and new findings
  - Introduction to brain plasticity
    - Bach-y-Rita's work
    - Current experimental results on sensorimotor contingencies
- Augmenting senses using tactile interfaces
  - The tactile modality: What's important
  - Projects overview
  - Potential and limitations
  - Finding a conclusion

14 ✓ 2/12 Chris Leon Ann

Application Architecture

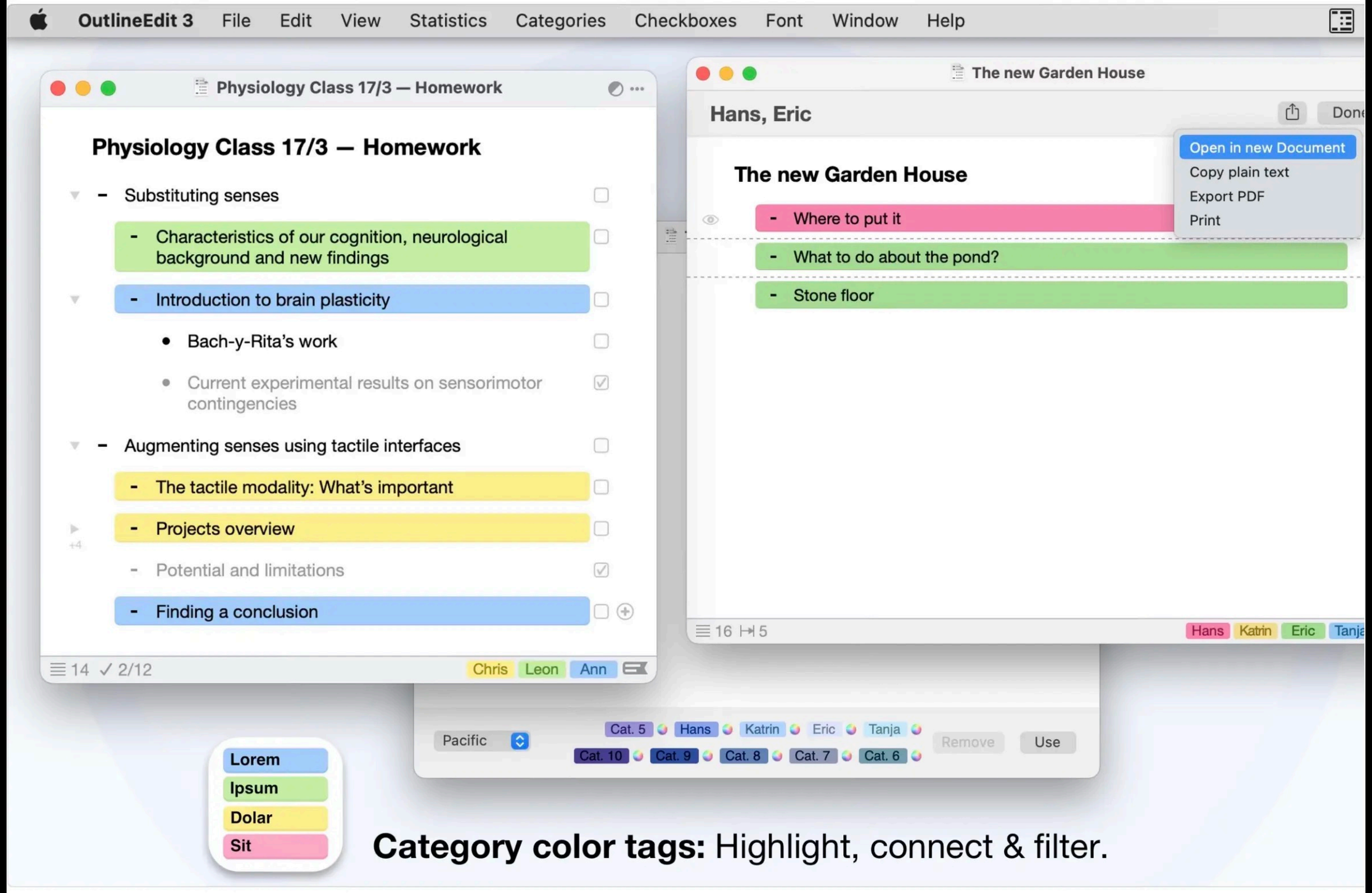
Application Architecture

- Vision: Build an app for collaborative sketching
- Requirements
- Overview:
  This is a first draft, based on last Tuesdays' meeting

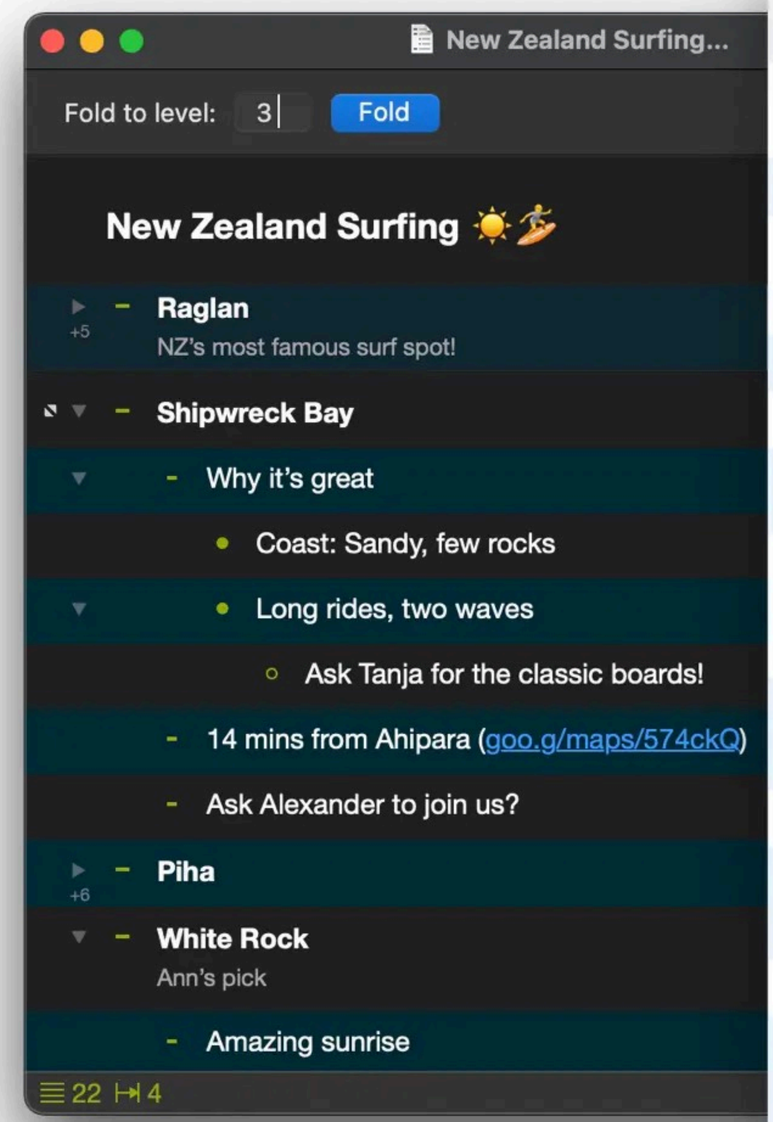


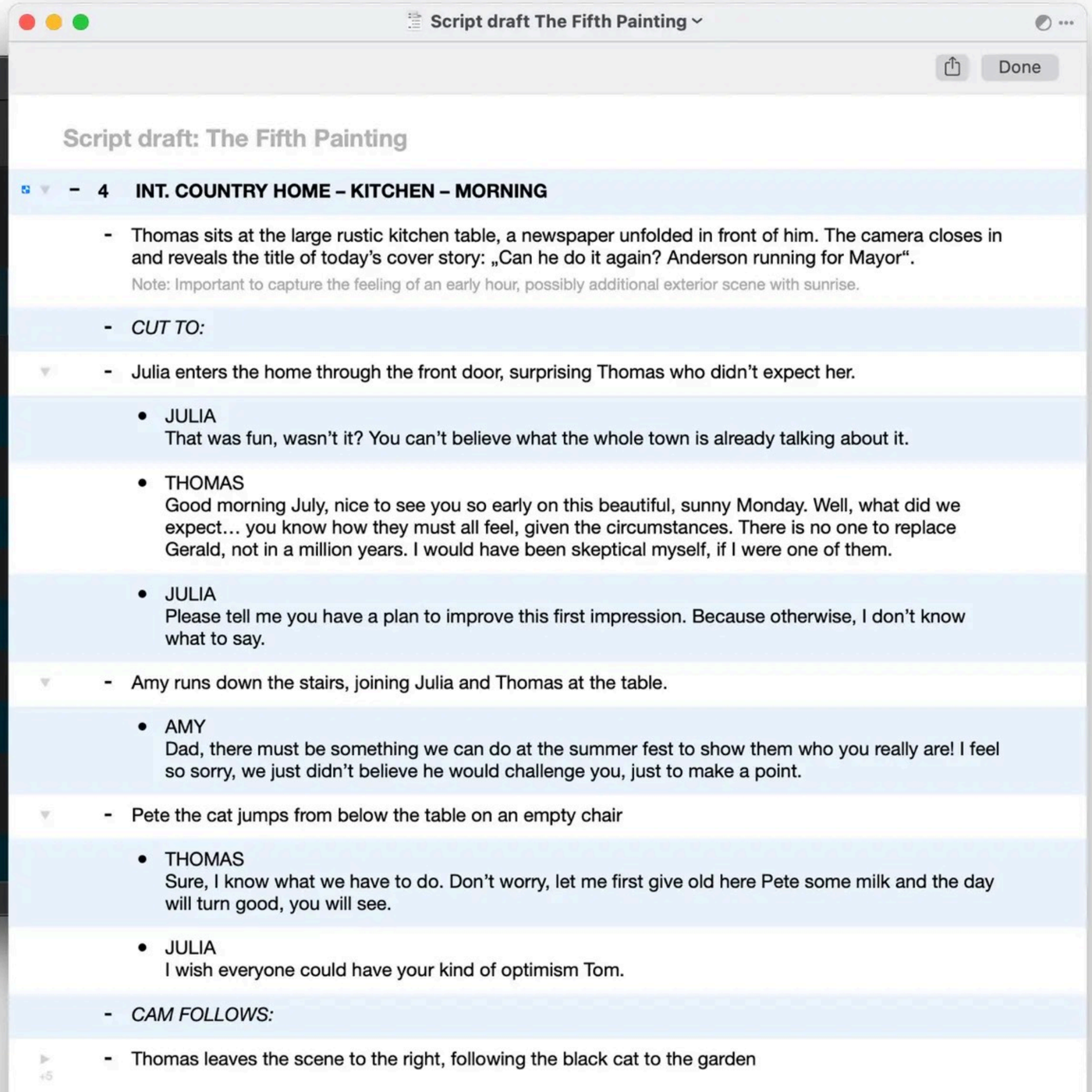
- **Server side**
  - Key tasks: User management, conflict resolution and notifications
  - Implement in *Ruby* or *Go*
- **Client side**
  - Mobile Clients
    - iOS and Android
  - Web
- **Communication protocols**
- Further design considerations

108



Category color tags: Highlight, connect & filter.





Folding & hoisting

Obsidian

New! Obsidian 1.0 is here. Learn more →

A second brain, for you, forever.

Obsidian is a powerful and extensible knowledge base that works on top of your local folder of plain text files.

Get Obsidian for Windows

Version 1.0.3

Also available for macOS, Linux (AppImage), Linux (Snap), and Linux (Flatpak). More platforms.

Download on the App Store

GET IT ON Google Play

Obsidian is an outstanding Markdown-based note-taking tool

SYNCED NOTES
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Teaching - Social Media - Ma...
Research - WebSanity - Clou...
WebSanity - CouchDB - Back...
Tech - Mac - System Settings...
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Tech - AI - Spells - Artists
History - Definitions
Personal - Quotes - H.P. Love...
Personal - Money - Jobs

Toggles between Edit & Read Mode

Mac Installation - Package Managers

Back to [[Mac Installation - TOC.md]]

Package Managers

Table of Contents

* [MacUpdater]
* [Homebrew]
* [npm]
* [pip]
* [Ruby gems]

MacUpdater

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Read Mode

Mac Installation - Package Managers

Back to Mac Installation - TOC.md

Package Managers

Table of Contents

- [MacUpdater]
- [Homebrew]
- [npm]
- [pip]
- [Ruby gems]

MacUpdater

Copy over:

- `~/Library/Application Settings/MacUpdater`
- `com.corecode.MacUpdater.plist`

Settings

General Settings

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````
```bash
dd conv=ucase
```
````

Convert file name to Camel (Headline) Case

````
```bash
$ /usr/local/bin/rename --force --keep-extension --
camelcase "foo bar.txt"
$ ls
Foo Bar.txt
```
````

Convert to sentence case

````
```bash
sed 's/^\(.\)/\U\1/'
```
````

Example:

````
```bash
$ echo "this is a sentence" | gsed 's/^\(.\)/\U
```
````

Edit Mode

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```

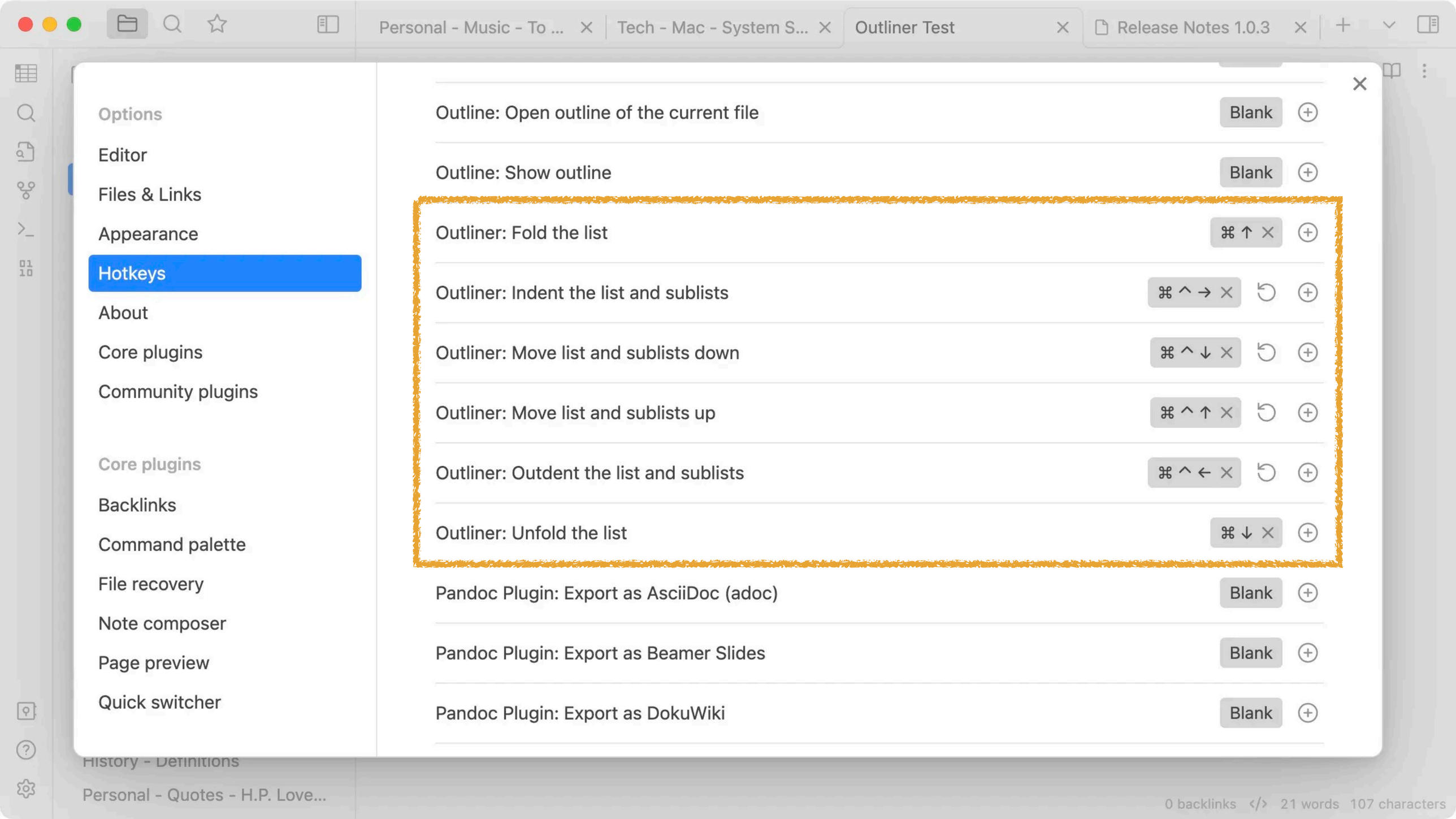
Example:

```
$ echo "this is a sentence" | gsed 's/^\(.\)/\U\1/'
This is a sentence
```

Read Mode

A community plugin named Outliner provides basic outlining, including key commands for indenting, outdenting, & moving, as well as folding & unfolding

Good for simple outlines without multiple columns


Personal - Music - To ...
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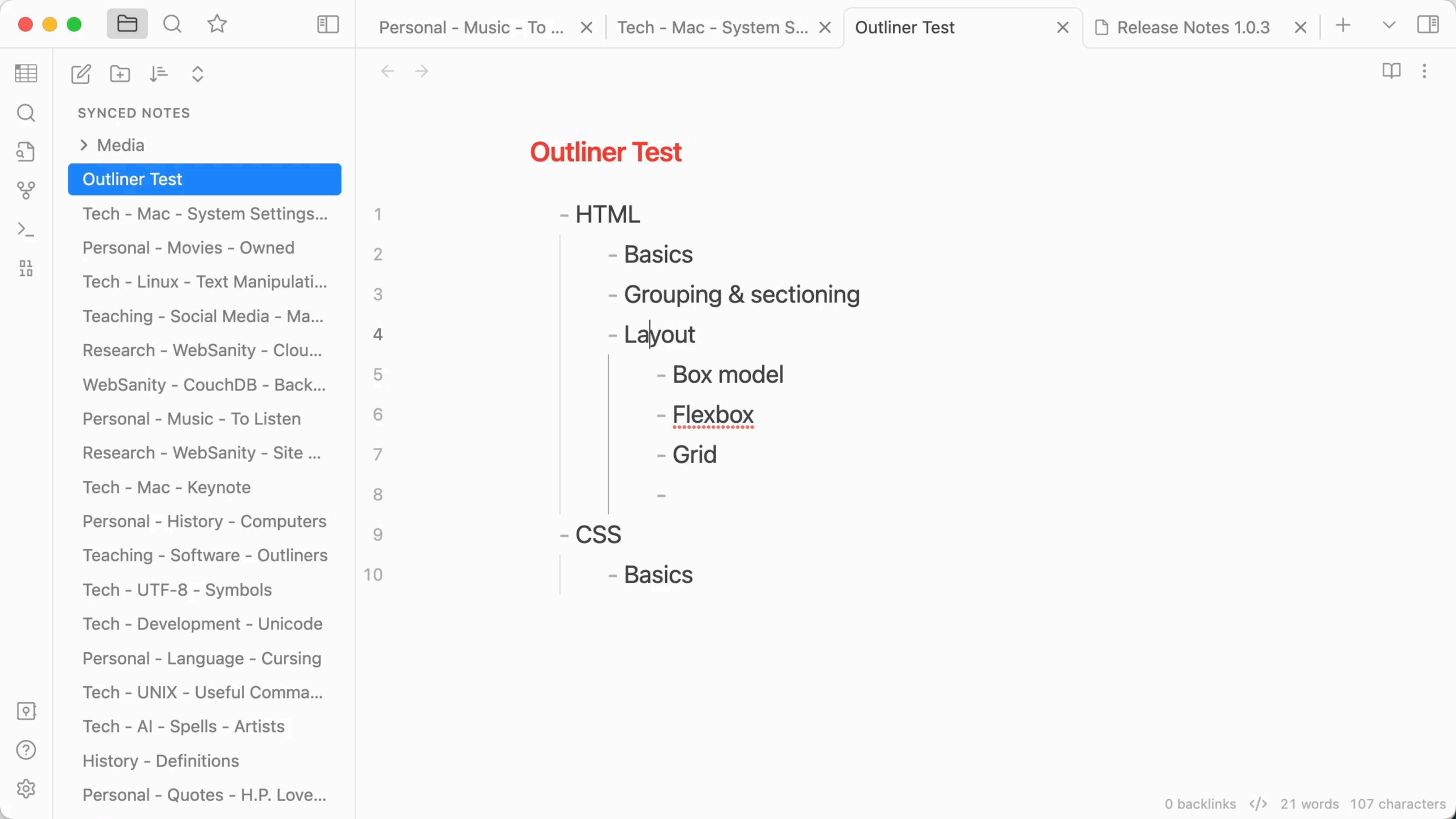
Outliner Test
Release Notes 1.0.3
Options
Editor
Files & Links
Appearance
Hotkeys
About
Core plugins
Community plugins
Core plugins
Backlinks
Command palette
File recovery
Note composer
Page preview
Quick switcher
Outline: Open outline of the current file
Blank
Outline: Show outline
Blank
Outliner: Fold the list
⌘ ↑
Outliner: Indent the list and sublists
⌘ ^ →
Outliner: Move list and sublists down
⌘ ^ ↓
Outliner: Move list and sublists up
⌘ ^ ↑
Outliner: Outdent the list and sublists
⌘ ^ ←
Outliner: Unfold the list
⌘ ↓
Pandoc Plugin: Export as AsciiDoc (adoc)
Blank
Pandoc Plugin: Export as Beamer Slides
Blank
Pandoc Plugin: Export as DokuWiki
Blank
History - Definitions
Personal - Quotes - H.P. Love...
0 backlinks
21 words
107 characters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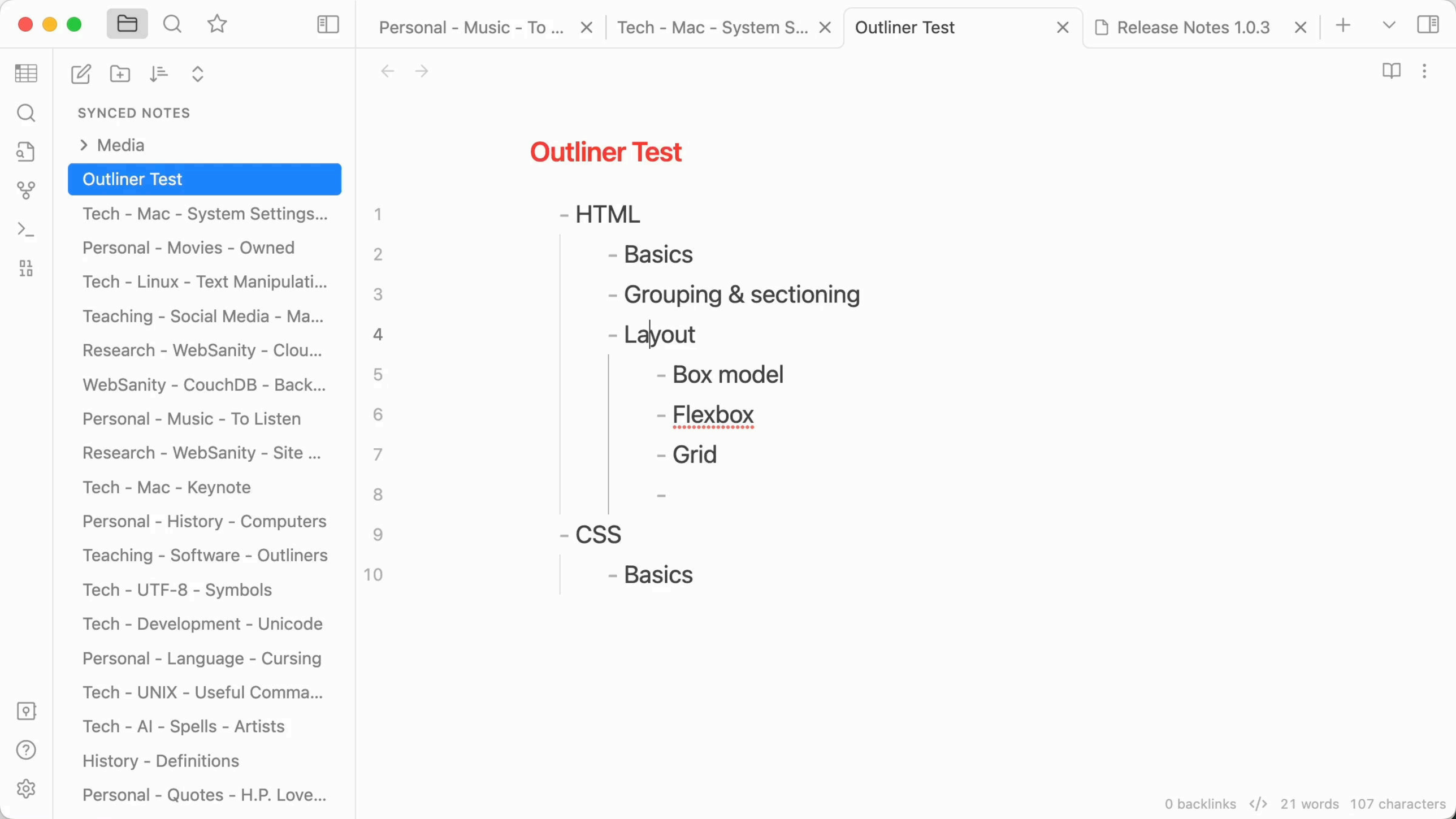
Outliner Test
1 - HTML
2 - Basics
3 - Grouping & sectioning
4 - Layout
5 - Box model
6 - Flexbox
7 - Grid
8 -
9 - CSS
10 - Basics
0 backlinks
21 words
107 characters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9 - CSS
10 - Basics
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107 characters

Wireframe Site

Global Leadership Forum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum id libero lacus, in euismod metus. Vestibulum ipsum nisl, malesuada quis porttitor lacinia, faucibus scelerisque massa. Vivamus purus turpis, condimentum vitae tincidunt non, lobortis sit amet nulla. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec sodales vestibulum erat sit amet sodales. Proin posuere eleifend neque, ac varius velit vestibulum ac. Aliquam commodo dui gravida nisl scelerisque commodo. Suspendisse nisl nibh, commodo sit amet condimentum non, congue lobortis lectus. Phasellus porttitor, mauris eu faucibus tempus, nisl lorem aliquam orci, vel auctor dui odio quis magna. Sed lacinia eleifend pulvinar. Proin id tellus nec eros condimentum aliquam. Etiam et vulputate orci. Curabitur faucibus semper felis, eu ultrices libero dignissim in.

Etiam aliquet, quam at pharetra aliquam, purus orci viverra massa, nec tempus tortor erat at urna. Duis tempor porttitor augue, id pharetra nulla pretium at. Phasellus pharetra pharetra magna id fermentum. Cras dapibus diam ut metus consectetur rhoncus. Donec dignissim pharetra ante cursus tincidunt. Nulla lacinia, mi eget feugiat porttitor, odio dolor egestas libero, quis sollicitudin diam mauris sed justo. Morbi accumsan bibendum nulla ac tempus. Donec nibh ipsum, eleifend vel hendrerit ac, bibendum non risus. Fusce auctor neque eget ipsum congue ut pulvinar augue ultrices. Morbi euismod ligula at elit molestie a porta arcu auctor.

Nulla in lacus non quam accumsan placerat sit amet ut sapien. Nullam dictum, quam a gravida hendrerit, est eros porta diam, sed vestibulum leo felis vitae erat. Phasellus elit risus, cursus sodales volutpat vel, accumsan non ligula. Vestibulum facilisis ipsum eu lorem gravida molestie. Aenean facilisis vehicula mauris, laoreet posuere elit fermentum aliquet. Vestibulum tempus, dui vel laoreet egestas, odio urna posuere nisl, eget iaculis velit velit in mi. Nulla urna leo, porttitor vitae ornare dapibus, convallis eu sem. Mauris dignissim, massa ac euismod rhoncus, urna elit porta erat, at ullamcorper lacus eros pulvinar nulla. Mauris nisl sapien, tristique a iaculis sit amet, consectetur varius tellus. Donec libero risus, sodales a cursus id, consequat a mi. Pellentesque congue lectus

Design

What’s the site going to look & feel like?

What are certain pages going to need in terms of user interface?

Got tough questions?
Indeeco can get you
to the best answers fast.
Ask More.
Hero

Cards

Testimonials

The Moore Family

"It looks even better than I imagined. You did everything that you stated you would do, when you stated you would do it, and went above and beyond to ensure the job was perfect. I am very grateful for your honesty, integrity, and skills. And that the wild Shoggoths only ate one of our dogs."

The Jones Family

"We couldn't be any more pleased with the appearance and workmanship of the job you completed for us. It all integrates so well that one person didn't notice we had landscaping recently done; they thought it had been there the whole time! And then they noticed the tentacles..."

The Granneman Family

"Amazing job! Our yard was covered in Poison Ivy, Nightshade, and other poisonous and/or deadly plants, and now it's safe enough to hold our weekly baby fights out there! Everyone is much happier—we haven't lost a baby to a baby-eating plant for weeks now!"

Contact

1 Miskatonic Ln
Arkham, MA 00420
1-665-284-8548

Legal

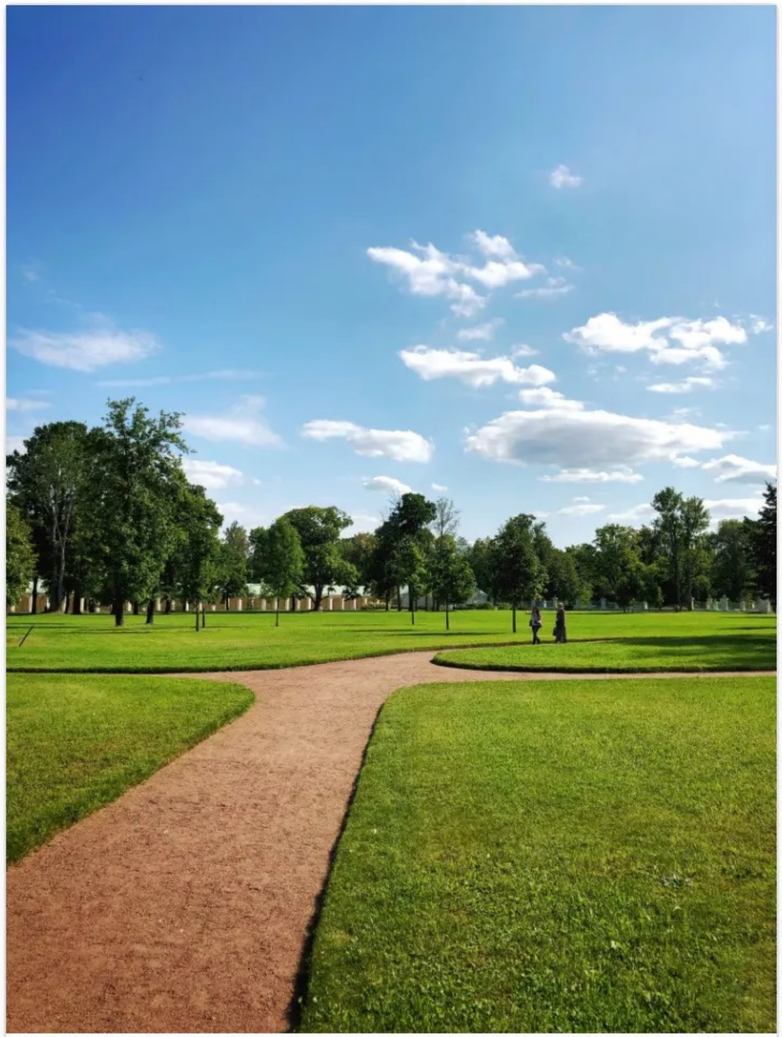
© 2021 Herbert West Landscaping

Social

We would be happy to put you in touch with our past clients

Such a beautifully-mowed lawn, with just a hint of yellow & purple as accents. *Chef's kiss*. However, we do advise you to step carefully behind that bush. It's Earl's favorite place.

I have no idea *why* the owner wanted us to place giant pieces of mozzarella cheese on the lawn, but we do what we're told.



Veeblefetzer University was very happy with how our grass perfectly marched alongside their styrofoam sidewalks.

Lord Haffrrhendgen was most pleased with the lovely job we did on his familial estate out

Things we've learned over the years that we want to share with you

Plan before you buy.

Sketch your landscape design on paper before you start planting and building. Knowing exactly what you need and where you're going to put it helps avoid wasting money.

Decide how much design you want.

Buy in phases.

Don't assume cheaper is always better.

Accept cheaper when it's good enough.

Time your purchases.

Shop online and mail-order sources.

Check alternate resources.

Be sociable.

Accordion

We would love to hear from you

First Name *

Last Name *

Email *

We'll never share your email with anyone else.

Subject *

Select

Message *

Please type your message here...

Introductory Student Memberships

What is it?

To encourage broader international participation, the Geochemical Society offers free memberships to students from under-represented countries. This student membership has all the Benefits of Membership including a print subscription to *Elements* magazine and online access to the entire *Elements* magazine archive.

Do I qualify?

To qualify, a candidate must meet the following criteria:

- Candidate must be a first-time member of the Geochemical Society.
- Candidate must be currently enrolled in a geochemistry related Masters or Doctorate program at a qualified institution in a **qualified country**. Applications will ***not*** be considered from students in Australia, Canada, China, European Union members and candidates, Japan, New Zealand, Republic of Korea, Taiwan, or the United States. (Together, these countries constitute 95% of the membership of the Geochemical Society.) Students from all other countries are eligible to apply.

Sidebar

Home Institutions of 2022 Introductory Student Members

- Rio de Janeiro State University, **Brazil**
- State University of Campinas , **Brazil**
- Universidade de Sao Paulo, **Brazil**
- Aligarh Muslim University, **India**
- BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES, **India**
- CSIR- National Institute of Oceanography, **India**
- Indian Institute of Science Education and Research Kolkata, **India**
- Indian Institute of Technology, **India**
- Indian Statistical Institute, **India**
- Jadavpur University, **India**

Calendar

February 2022 ◀ ▶

All Categories

SUN	MON	TUE	WED	THU	FRI	SAT
30	31	1 6p Whitfield School: The Classroom Experience	2	3	4	5
6	7	8	9	10	11	12 10a DaySpring Academy Virtual Open House
13	14 8a Principia School Visiting Monday	15	16	17	18	19
20 1p Barat Academy Open House	21	22	23 8:30a Visitation Academy Open House	24	25	26
27	28 8a Principia School Visiting Monday	1	2	3	4	5

Calendar

on your eligibility and the funds the school has available.

Myth: All the schools our child applies to will offer the same financial aid package.
Fact: Financial aid packages vary significantly from school to school, depending on the school's endowment, tuition costs, and aid philosophy.

Myth: The deadlines for admission and financial aid are the same.
Fact: Often these deadlines are not the same. Check with each school, and be sure to keep track of what you must do when. Also, do not wait to begin the financial aid process until after you receive an admission decision.

Myth: The financial aid application process is complicated.
Fact: You do have to provide a lot of information, but financial aid offices are working hard to make it easier. Many schools use SSS by NAIS, so you may only have to fill out one form to apply for aid at several schools.

Myth: It's too intimidating to talk to the school about our private financial matters.
Fact: You have to be willing to discuss your situation in order for the school to determine your financial need. Financial aid officers want to help you afford an independent school education for your child. Let them do their job.

← About Financial Aid

Questions to Ask Schools →

Next-Previous linear navigation

LEGAL DOCKET

Filters ↓

This docket describes the numerous and varied civil liber American Civil Liberties Union of New Jersey is currently involved in (open cases) or has been involved in (closed cases). Use the drop down menus below to sort the cases by issue and case status (open/closed).

What to do If You Are Stopped by the Police or Immigration

ACLU AMERICAN CIVIL LIBERTIES UNION of NEW JERSEY

This docket describes the numerous and varied civil liberties issues which the American Civil Liberties Union of New Jersey is currently involved in (open cases) or has been involved in (closed cases). Use the drop down menus below to sort the cases by issue and case status (open/closed).

Issue
All

Case Status
Open

ACLU-NJ v. NJ County Prosecutors' Association

Challenge to CPANJ's records request denial

ACLU-NJ v. Smith Ellis

Challenge to New Jersey tax dollars used to support religious schools.

Adam X v. NJ Departments of Corrections and Education

Challenge to the NJDOC and NJDOE's failure to provide, and monitor the provision of, appropriate special education and related services to young people with disabilities in adult prisons in violation of federal law

Arriaga Reyes, et al. v. Decker, et al.

Habeas corpus petition seeking release from ICE custody on behalf of five individuals held at the Hudson County and Bergen County Jails based on their medical

Filters ↓

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Issue

- ✓ All
- ------
- Criminal Justice
- Discrimination
- Economic Justice
- Free Speech & Religion
- Gender Equity & Reproductive Rights
- Immigrant Rights
- LGBTQ Rights
- National Security
- Open & Accountable Government
- Police Practices
- Prisons
- Privacy & Surveillance
- Racial Justice

Case Status

Open

tors' Association

support religious schools.

Corrections and Education

re to provide, and monitor the provision of,
rvices to young people with disabilities in

et al.

ICE custody on behalf of five individuals
nty Jails based on their medical

Filters

What to do If You Are Stopped by the Police or Immigration Officials in New Jersey

ACLU AMERICAN CIVIL LIBERTIES UNION of NEW JERSEY

اگر آپ کو نیو جرسی میں پولیس یا اِمیگریشن افسر کے ذریعے روکا جاتا ہے تو آپ کو کیا کرنا چا ہئیے

O Que Fazer Se Voce For Parado Pela Policia Ou Oficiais De Imigração Em Nova Jersey

ماذا تفعل اذا تم توقيفك من قبل الشرطة أو مسؤولي الهجرة في نيوجيرسي

Qué hacer en caso de que usted sea detenido en Nueva Jersey por la policía o agentes de inmigración

अगर आपको पुलिस या आप्रवासन अधिकारियों द्वारा रोका जाता है तो क्या करना चाहिए

Very important to keep audience in mind

A site for kids is going to be designed differently than a site for business

Activities

» Refine user interface
» Create aesthetic design
» Define development specifications
» Create mockups of key features
» Expand & refine site content

Finished when you have no more *to be determined* sections in your documents

Important to keep a close eye on meeting the budget & scope identified in Definition

Don’t get stuck in endless design loops (Them: Move the logo to the right. OK, now move it back to the left. Maybe it should go on the right? Me: 😡)

Deliverables

» Approved design
» Page-level specifications

Responsive Design

A LIST APART

Issue № 306

Responsive Web Design

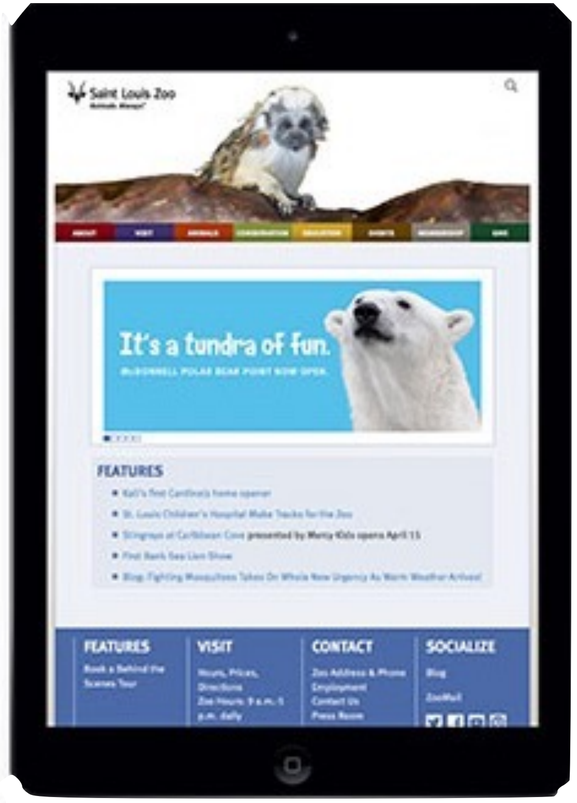
by **ETHAN MARCOTTE** · *May 25, 2010*

Published in CSS, Layout & Grids, Mobile/Multidevice, Responsive Design, Interaction Design · 103 Comments

What's responsive web design?

"… a web design approach aimed at crafting sites to *provide an optimal [user] experience*—easy reading and navigation with a minimum of resizing, panning, and scrolling—*across a wide range of devices* (from mobile phones to desktop computer monitors)"
—Wikipedia

Saint Louis Zoo
Animals Always®
ABOUT
VISIT
ANIMALS
CONSERVATION
EDUCATION
EVENTS
MEMBERSHIP
GIVE
ZooMail
Join ZooMail to receive updates on events, animals, Zoo attractions and more!
FEATURES
Kali's first Cardinals home opener
St. Louis Children's Hospital Make Tracks for the Zoo
Stingrays at Caribbean Cove presented by Mercy Kids opens April 15
First Bank Sea Lion Show
Blog: Fighting Mosquitoes Takes On Whole New Urgency As Warm Weather Arrives!
FEATURES
Book a Behind the Scenes Tour
VISIT
Hours, Prices, Directions
Zoo Hours: 9 a.m.-5 p.m. daily
Save with Adventure Passes
Zoo Attractions
Plan Your Visit
CONTACT
Zoo Address & Phone
Employment
Contact Us
Press Room
SOCIALIZE
Blog
ZooMail


Saint Louis Zoo
It's a tundra of fun.
FEATURES
FEATURES
VISIT
CONTACT
SOCIALIZE

Saint Louis Zoo
Adopt Ziggy
Our Calvibus monkey baby
FEATURES
FEATURES

Saint Louis Zoo
Animals Always®

ABOUT | VISIT | ANIMALS | CONSERVATION | EDUCATION | EVENTS | MEMBERSHIP | GIVE

SEARCH

Help make us the best zoo in the whole wild world.

Click here to learn more and donate to *The Living Promise Campaign.*

FEATURES

- Penguin & Puffin Webcams
- Valentine Adoption
  Cuddle with a colobus monkey!
- Baby colobus monkey
- Delta Dental Winter Zoo

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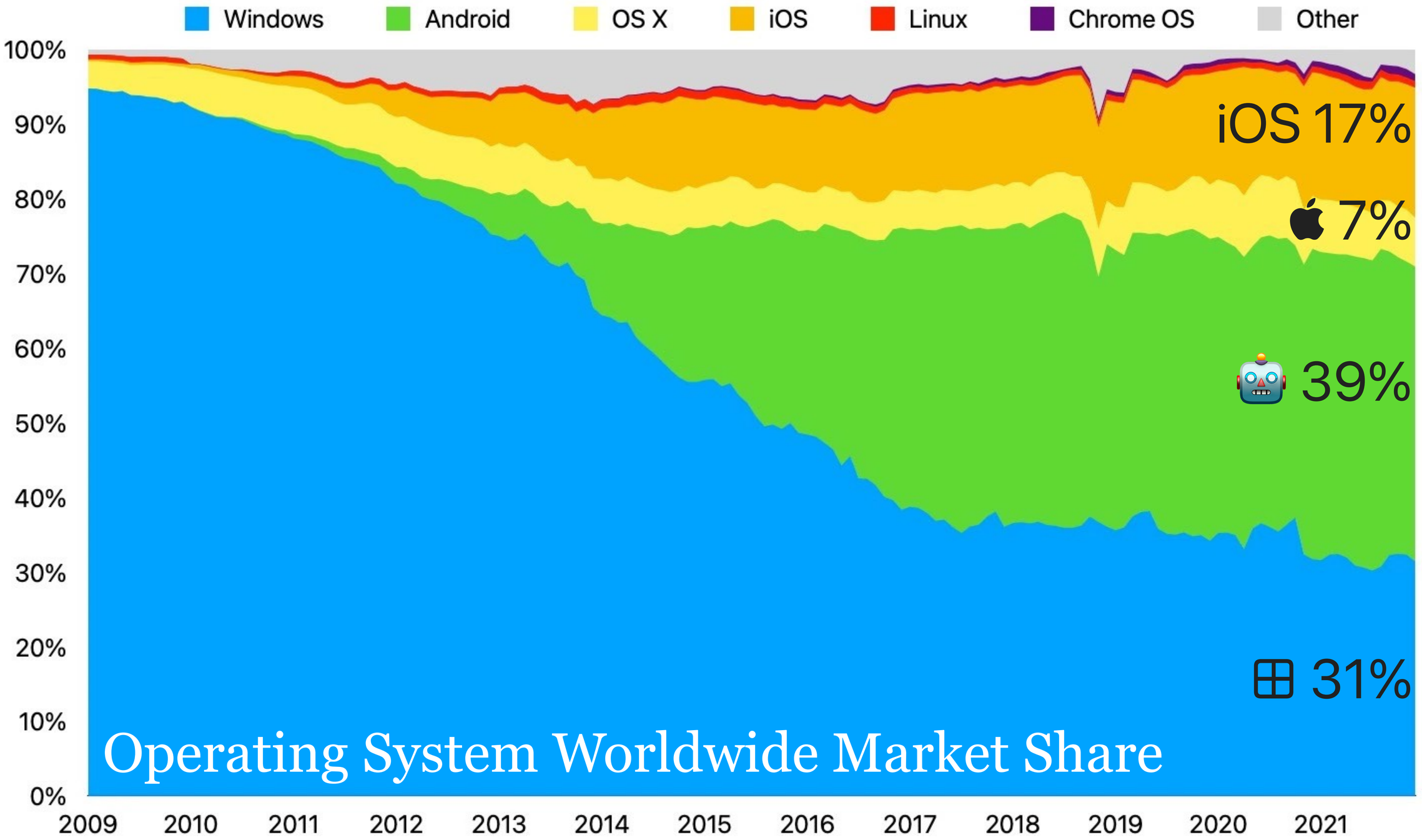

Windows
Android
OS X
iOS
Linux
Chrome OS
Other
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
iOS 17%
7%
39%
31%
Operating System Worldwide Market Share

Development

Purpose: build the site correctly & efficiently with an eye toward the future

Build the site based on the Site Plan

Incorporate…

» appropriate CMS features
» visual design elements
» templates
» CSS

Test functionality

Integrate content

Activities

- Build theme
- Develop site features
- Test test test
- Finalize site content for publishing

Finished when the site is feature-complete & bug-free

Deliverables

» Final site
» Support documentation

Deployment

Purpose: launch the site & transition from development team to administrative team

Launch the site to the public

Transition oversight

Train designated personnel

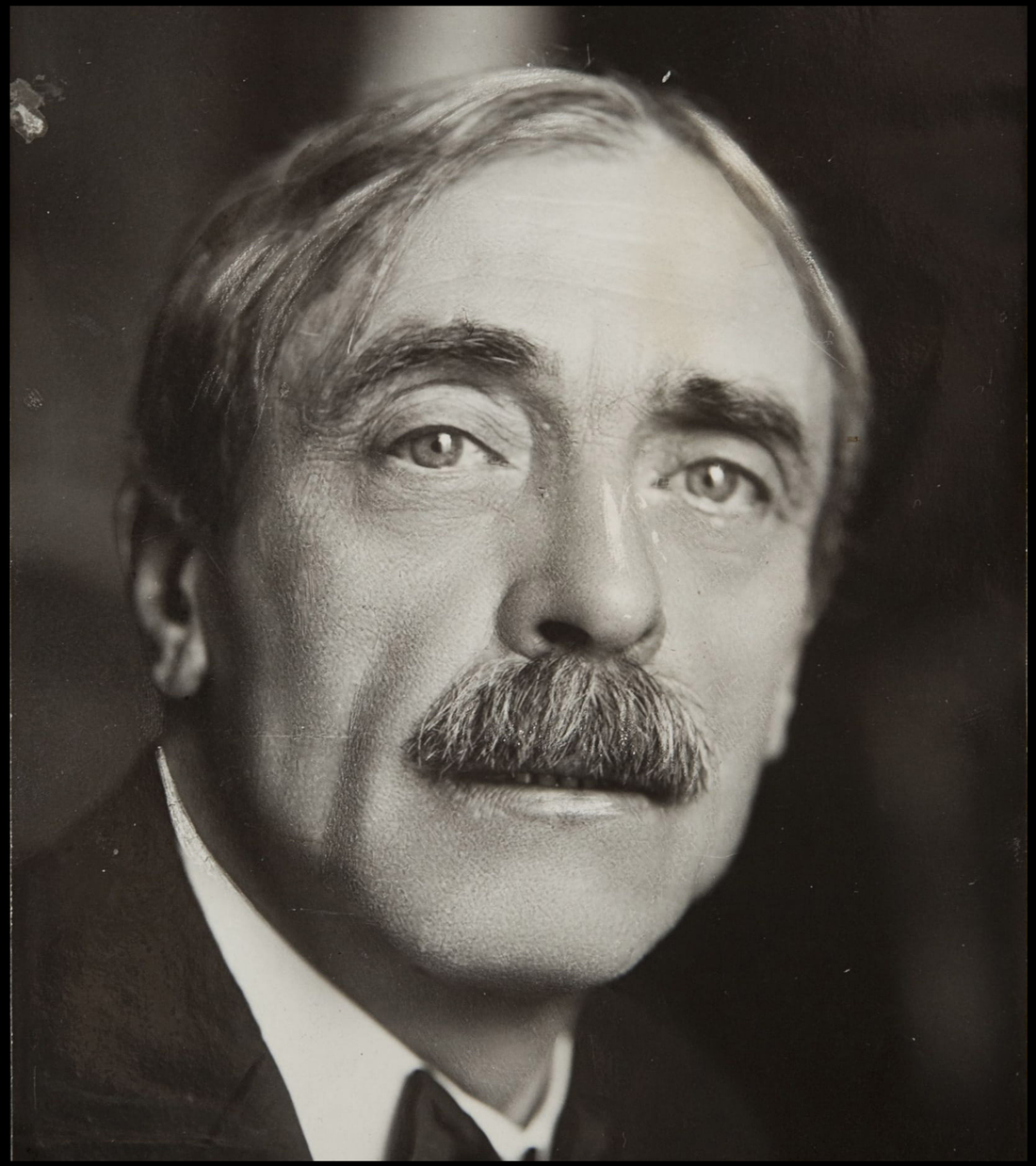
Review future development plans

Activities

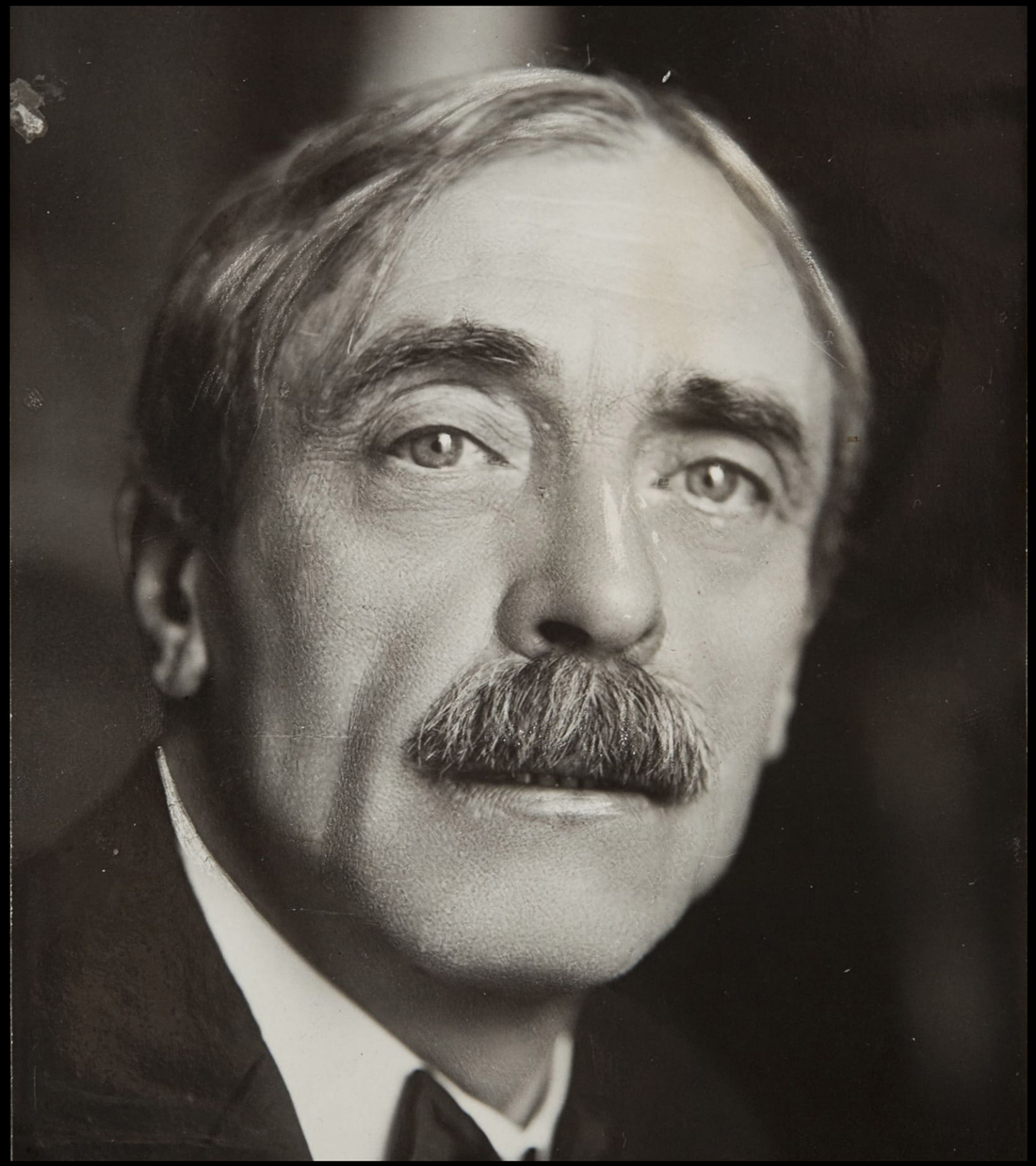
- Launch site
- Activate, configure, & incorporate third-party services
- Client hand-off
- 6-month site evaluation

Finished?

Never!



“A poem is never finished, only abandoned.” —Paul Valéry, French poet, essayist, & philosopher



“Love is being stupid together.” —Paul Valéry

Deliverables

- Live site
- Editor Notes
- Style Guide
- Future development plans & recommendations

D-Maintenance

Maintenance is like the 90% of the iceberg below water — people forget or ignore it until it becomes a huge problem

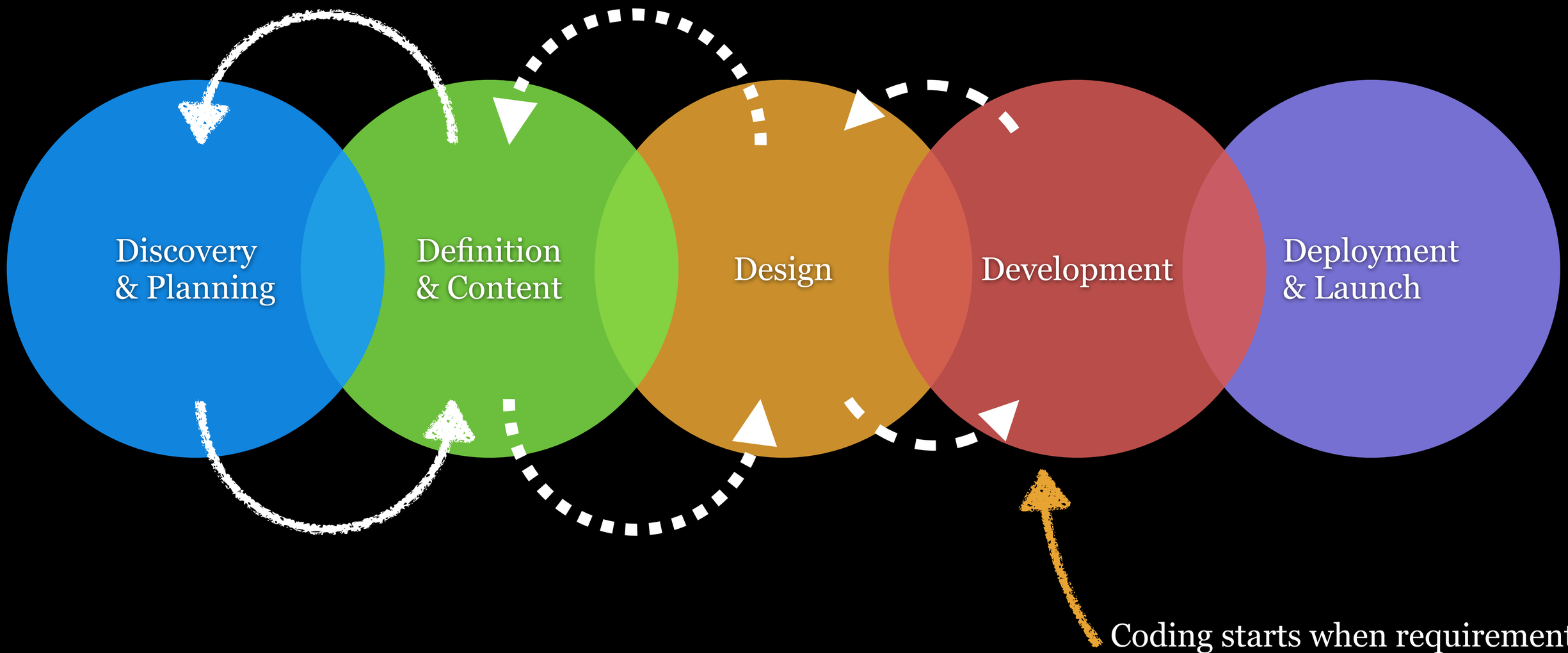
Update content (Who is going to update the content? How?)

Track problems & suggested changes & improvements

If you don’t plan ahead when it comes to maintenance, there’s a good chance the project will end up failing

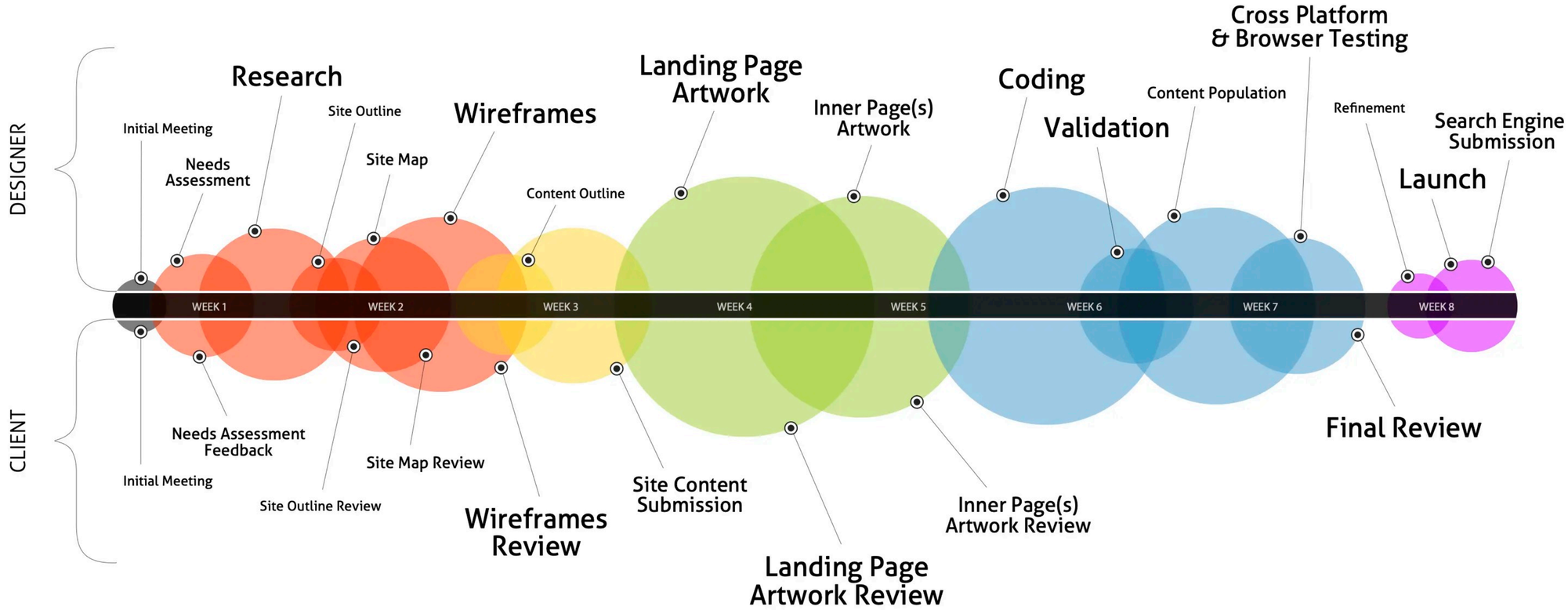
Iterate back to start the process over

Iterative design process



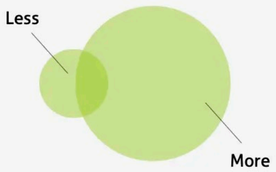
A Website Designed

MILESTONES, INVOLVEMENT, IMPORTANCE & TIMELINE



MILESTONES

INVOLVEMENT

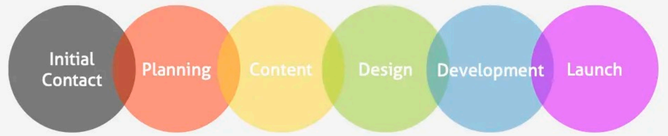


IMPORTANCE

Average

Greater

PHASE



Graphic by John Furness

A Website Designed was created by John Furness of Simple Square. © 2011 - All rights reserved.

Slides

granneman.com/downloads/web-dev/Design-Process.pdf

chnsa.ws/design-process-slides

Notes

granneman.com/downloads/web-dev/Design-Process.txt

chnsa.ws/design-process-notes

All of my presentations

granneman.com/presentations/all-presentations

chnsa.ws/all-presentations

Thank you!

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Design & Development Process

The Six Ds

R. Scott Granneman & Jans Carton

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Changelog

2025-01-20 1.14: Added Sketchplanations of Plan Ahead; updated theme to Granneman 1.13; minor fixes

Changelog

2024-03-13 1.13: Replaced Twitter with Mastodon

2024-01-23 1.12: Hid a lot of stuff that will come up later in the course; updated theme to Granneman 1.12; added QR codes

2022-12-12 1.11: Added detail that planning for maintenance is vital

Changelog

2022-11-07 1.10: More details on design loops in *Design*; added details about 5 outliners in *Definition* > *Site Map*; added small details to *Design Frameworks*, *Bootstrap*, & *Experts*

2022-08-24 1.9: Explained 4 D's better; added citations to all images; updated some images; updated Bootstrap Docs screenshots; updated list of sites using Bootstrap; added Paul Valéry details; updated iceberg photo (that was an adventure!); made my own Iterative Design Process diagram; minor updates & fixes

Changelog

2022-07-05 1.8: Updated Lincoln “quote”

2022-01-27 1.7: added lots of info in *Process*

2022-01-25 1.6: Updated theme to Granneman 1.7; changed from 4 to 6 steps; moved content around; added new slides & diagrams

Changelog

2021-01-20 1.5: Added quotes in *Discover*

2020-09-01 1.4: Added Franklin “quote”, fixed Lincoln, & moved to beginning; added *Writers & Content Creators* section & fleshed out *Application Development* & *User-Centric Design* in *Experts*; added 2 rules in Discover

Changelog

2020-08-25 1.3: Changed theme to Granneman 1.6; fixed formatting issues

2019-03-20 1.2: Changed theme to Granneman 1.5; added Lincoln & Paul Valery; minor fixes

2015-06-10 1.1: Moved slides to new theme; fixed some content

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Questions? Email scott@granneman.com