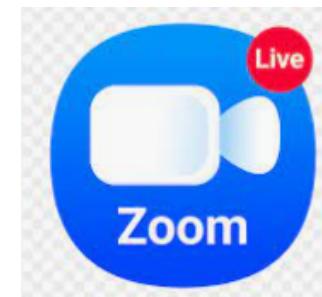
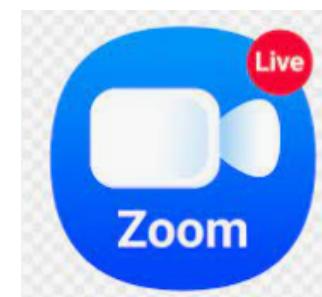


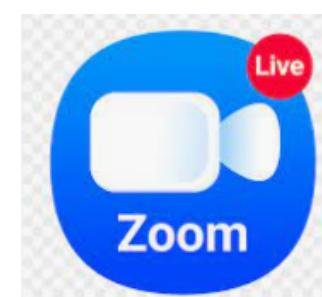
Agenda: Friday, 2nd June



- 11:30 - 11:40 : Review Team Concepts (again)



- 11:40 - 11:50: Select/inspect some existing courses



- 11:50 - 12:10: Explore Tutors Values



- 12:30 - Get to work!

- Fri/Sat/Sun: Check in in Slack if you need help

The screenshot shows the Tutors website with the title "Tutors" and a sub-section titled "An Open Learning Web Toolkit". It describes it as a collection of open source components & services supporting the creation of transformative learning experiences using open web standards. Below the text are four buttons: "View Demo", "Documentation", "Catalogue", and "Live". To the right, there is a grid of icons representing various open-source tools and services, including node.js, hapi.js, jo, TDD, and others.

Agenda: Thursday, 1st June



- 1:30 - 2:30 : Tutors Challenge 1 Review



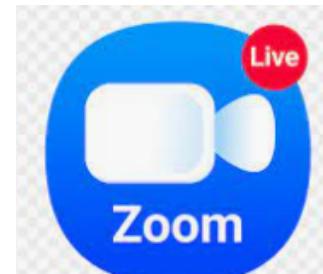
- 2:30 - 2:45 : Form your Team of 4



- 2:45 - 3:15 : Brainstorm Team Project



- 3:15 - 3:30 : Rapporteur to outline Team project (3 mins each)



- 3:30 - 4:15: Feedback + Looking forward to Tutors Challenge 2

The screenshot shows a web-based toolkit titled "Tutors". At the top, there's a header with a "Tutors" icon and social media sharing options. Below the header, a section titled "An Open Learning Web Toolkit" is described as "A collection of open source components & services supporting the creation of transformative learning experiences using open web standards." There are four main buttons: "View Demo", "Documentation", "Catalogue", and "Live". To the right of these buttons is a grid of 16 icons, each representing a different open-source component or service, such as Node.js, React, Angular, and various learning management systems.

<https://reader.tutors.dev/topic/international-week-2023/topic-03>

Bremen Tutors Showcases
Bremen International Week

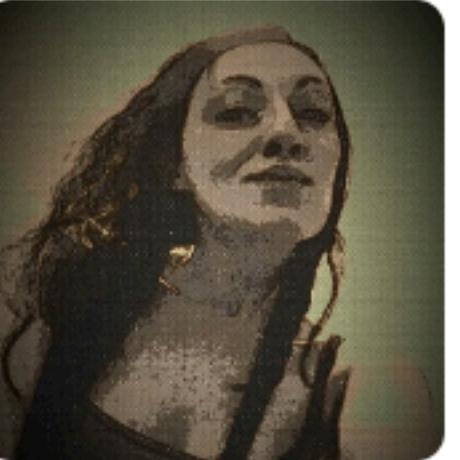
Bremen Internat... > Bremen Tutors S...

Search Layout

Bremen Tutors Showcases

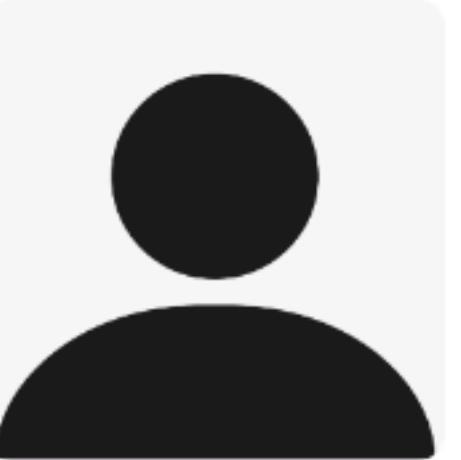
HS
Hochschule Bremen
City University of Bremen

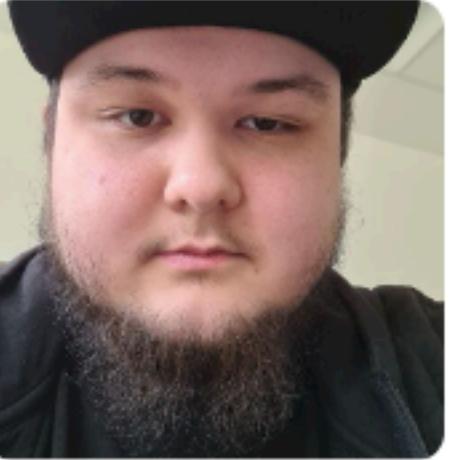
Bremen Tutors Showcases

La Cha 
[Awesome Biohacking Course](#)

Juohina Khaled 
[Just a Copy \(for the moment\)](#)

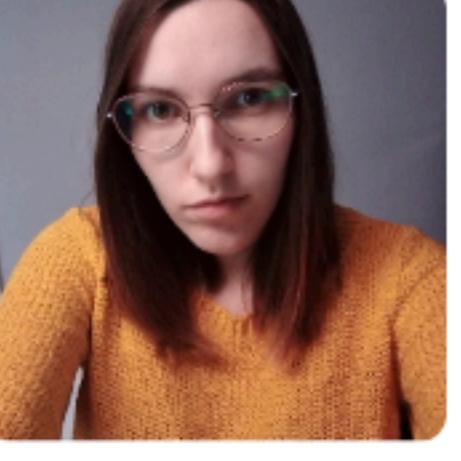
Tim Döge 
[Definately a Good Course](#)

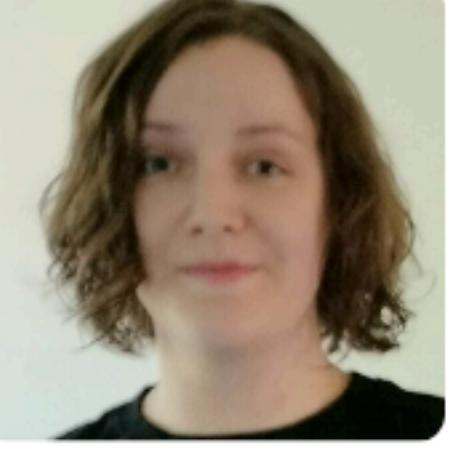
Julia Pohl 
[Hello 1234!](#)

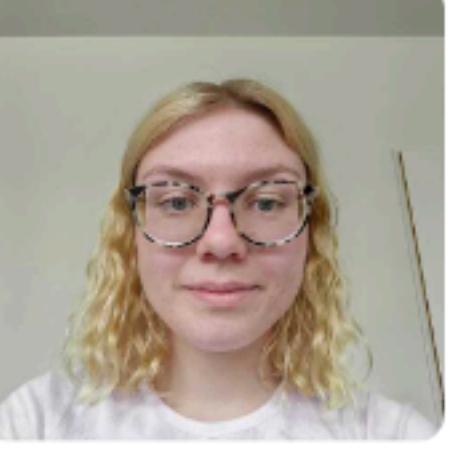
Max Ilinseer 
[It about Fruit!](#)

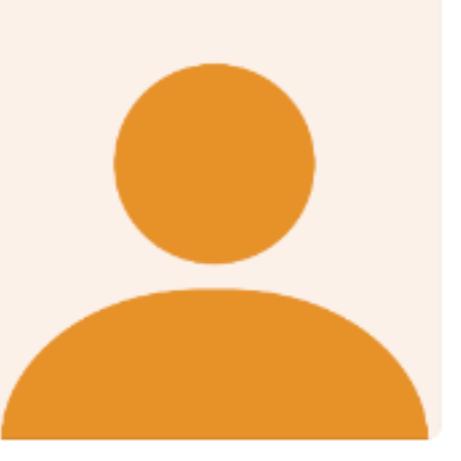
Christopher Tolstich 
[Chris's site](#)

Diyar Aydin 
[Diyars Site](#)

Lisa Theocharidis 
[Lisa's site](#)

Nadine Faiss 
[Nadines Presentation](#)

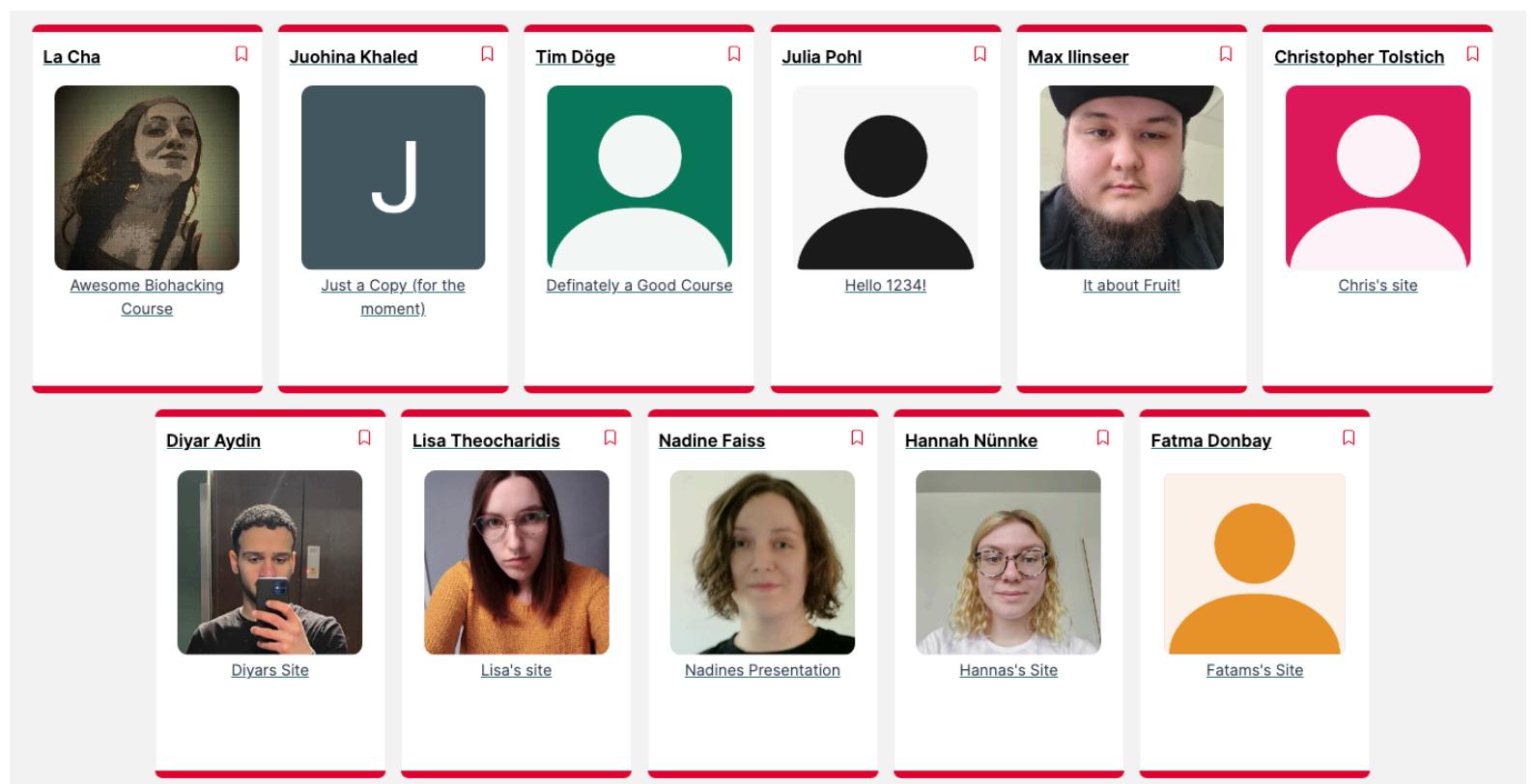
Hannah Nünke 
[Hannas's Site](#)

Fatma Donbay 
[Fatams's Site](#)



• 1:30 - 2:30 : Tutors Challenge 1

- Review current showcase: Change course Titles + images on home page cards



Deployed since yesterday!

- Deploy ‘Kitchen Sink’ instead of “tutors Starter” over the same course
- Tour the Kitchen Sink Folder Structure

Kitchen Sink is a complete tour of all tutors features

- **2:30 - 2:45 : Form your Team of 4**

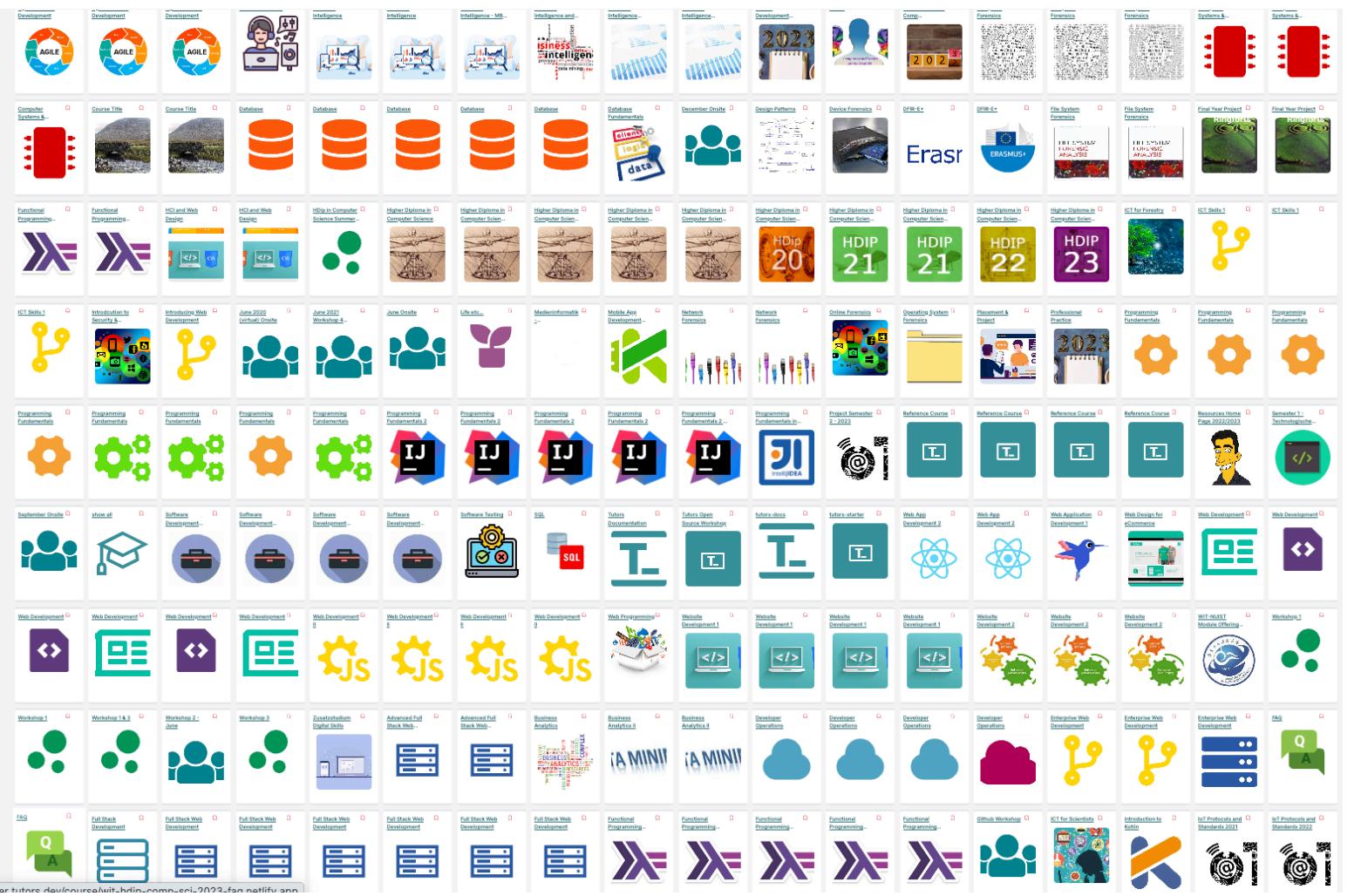
- Use slack to identify team members (DM if necessary)
- Report your team of 4 on Slack #tutors channel
- Select Rapporteur (to report back to group)
- One to the team will be the “publisher” of the finished course
- You can continue to experiment with personal courses



<https://time.tutors.dev/catalogue>

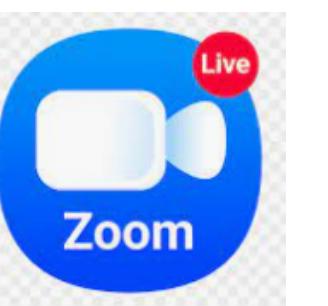
- **2:45 - 3:15 : Brainstorm Team Project**

- Explore Tutors Course Catalogue + HDip Programme
- Develop theme for tour group of 4 project
- Perhaps consider each team member taking on a topic individual topic



<https://reader.tutors.dev/course/wit-hdip-comp-sci-2022>

A screenshot of the WIT-HDIP COMP SCI 2022 course reader interface. The page is divided into two main sections: Semester 1: January-May 2022 and Semester 2: June-December 2022. Each section contains five cards, each representing a different course or workshop. The cards include icons and brief descriptions of the topics covered. For example, the 'Workshop One' card for Semester 1 includes 'induction', 'structure', 'schedules', and 'handbook'. The 'Web Development I' card for Semester 1 includes 'html', 'css', 'layout', 'web apps', 'web frameworks', and 'deployment'. The 'Semester 1 Schedule' card includes 'timetables', 'semester calendars', 'assessment schedules', and 'timetables'. The 'Semester 2' section follows a similar structure, featuring 'Workshop Two', 'Web Development II', 'Computer Systems & Networks', 'Database', and 'Semester 2 Schedule' cards.



- **3:15 - 3:30 : Rapporteur to outline Team project**

- Rapporteur to outline theme (2 mins)
- Publish individual courses to prototype layouts/ideas
- To integrate - zip up individual topics and DM to 'Publisher' to deploy to team site





- **3:30 - 4:15: Feedback + Looking forward to Tutors Challenge 2**

- Feedback on group of 4 projects
- Exploring the Theme + Iconography in Tutors

Challenge 2: Theme & Iconography

Tutors Theming



[Exploring the Tutors Theme Subsystem](#)

Skeleton



[The Skeleton.dev Theming Subsystem](#)

Iconify



[The Icon Libraries used by Tutors](#)

[Lab-04-Create a Theme](#)



[Generate a new theme](#)

[Lab-05-Deploy Tutors Reader](#)



[Publish a new Tutors Reader to the Netlify](#)

- **2:30 - 2:45 : Form your Team of 4**

- Use slack to identify team members (DM if necessary)
- Report your team of 4 on Slack #tutors channel
- Select Rapporteur (to report back to group)
- One to the team will be the “publisher” of the finished course
- You can continue to experiment with personal courses

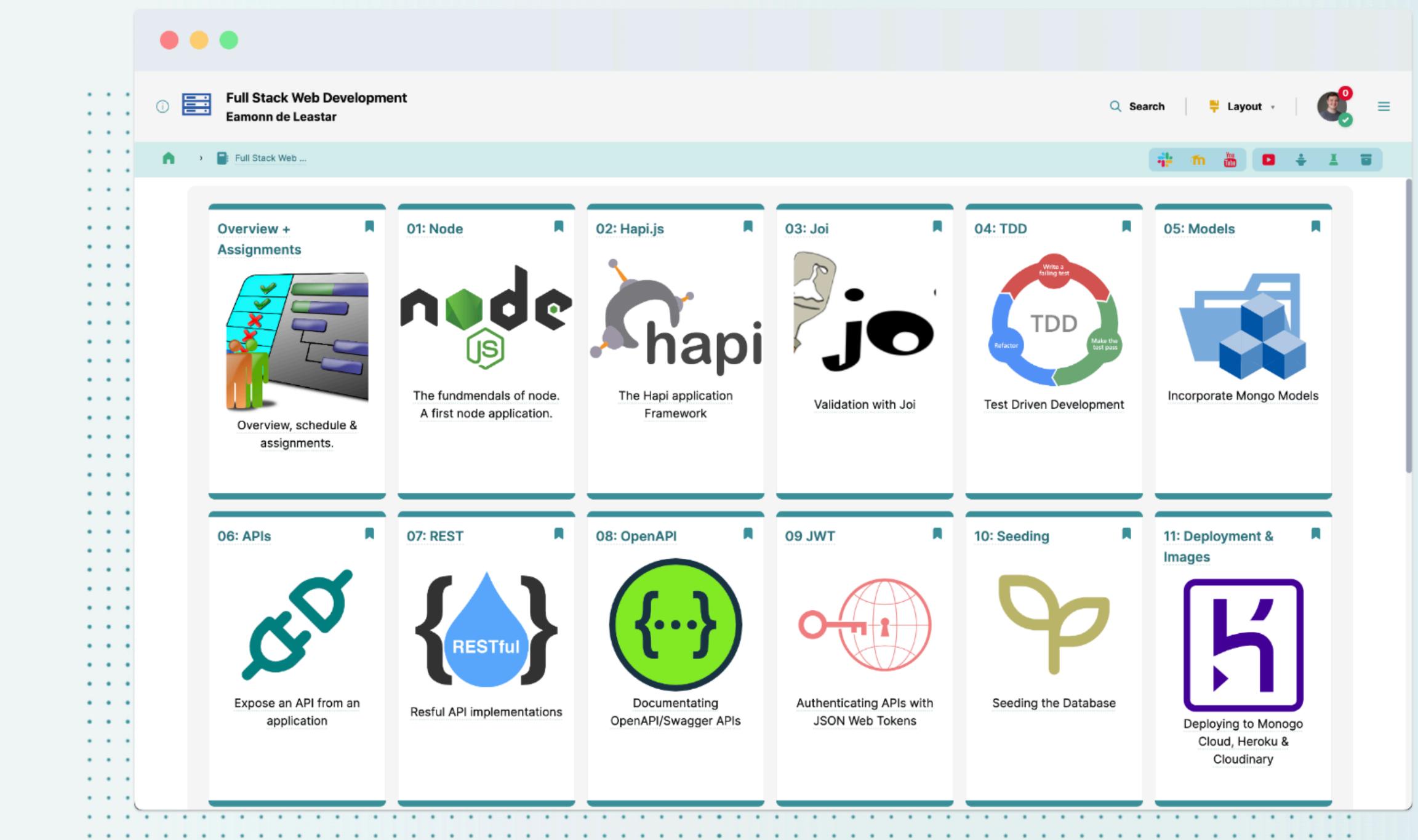
- **2:45 - 3:15 : Brainstorm Team Project**

- Explore Tutors Course Catalogue + HDip Programme
- Develop theme for tour group of 4 project
- Perhaps consider each team member taking on a topic individual topic



An Open Learning Web Toolkit

A collection of open source components & services supporting the creation of transformative learning experiences using open web standards.

[View Demo](#)[Documentation](#)[Catalogue](#)[Live](#)

The Values of the project

The Learner Experience



The **Learner Experience** prioritises web interactions that are **engaging, contextual, linkable, searchable, accessible** and **responsive**. In addition the experience should foster a sense of **community** and **connection** among fellow learners.

The Educator Experience



The **Educator Experience** prioritises the creation of a **guided paths** through a curriculum via the creation of learning materials that are **autonomous, structurally aligned, composable, auditable, extensible, versioned** and **independent**.

The Developer Experience



The **Developer Experience** prioritises the specification and implementation of **robust, well documented, loosely coupled components & services**, integrated into a **coherent toolkit** open to contributions from **diverse skill sets**.



Four Challenges



Challenge 1: Create an course using tutors, showcasing the variety of the learning experience.

Challenge 2: Design and implement a new Theme + Icon Pack for Tutors, extending the UX in interesting ways. Rebuild the Tutors Reader to include these changes.

Challenge 3: Reimagine the Tutors learning experience, revising the existing UX, proposing simple or radical alternative layouts, navigation, learning objects & interaction patterns.

Challenge 4: Map out an implementation of Challenge 3 in the Tutors Open Source Project.

Challenge 1: Create an course using tutors, showcasing the variety of the learning experience.

Lab-17a Charts

Full Stack Web Development

Search Layout User Profile

Home Full Stack Web ... 17: Charts & Gr... Labs Lab-17a Charts

Google Sheets Google Slides YouTube Google Slides Google Sheets

Programming Fundamentals

Colm Dunphy, Peter Windle, WIT

Assignment Specifications

This section details the assignments for module

00: Induction

module structure · delivery approach · java programming language · ...

01: First Contact

processing · java · drawing shapes · colour · grayscale · RGB · syntax errors · ...

02: Selection & Iteration

loop body: increment or decrement; }
Condition
If condition is false
Loop Body
Process Results
If condition is true
Loop Update

03: Methods

method signature · return types · parameters · mouse event methods · bespoke..

04: Classes

String methods · Objects · Classes · behaviour · attributes · Spot class · ...

05: Arrays

Arrays
int n[] = new int[4];
n[0] n[1] n[2] n[3]
n[1]=36;

06: Game of Pong

Game of Pong · Ball class · Paddle class · Player class · Tournaments · Statistics · ...

Charts Page

Introduce an additional icon in our navigator:

MainNavigation.svelte

SQL Aggregate functions Database

Search Layout User Profile

Home Database 05: SQL: Select... Aggregate funct... SQL Aggregate ...

Google Sheets Google Slides YouTube Google Slides Google Sheets

```
...  
<a href="/charts" class="c...  
  <i class="fas fa-charts...  
</a>  
...
```

Donation Services Inc.
Please make a Donation

This is a new page:

routes/charts/+page.svelte

```
<script>  
import TitleBar from "$...  
import MainNavigator fro...  
import Chart from "svel...  
  
let data = {  
  labels: ["Sun", "Mon...  
  datasets: [
```

Using Round()

- To round a numeric value to a whole number (or to 2 decimal places for example), use `round`.
 - `Round(12.75)` returns 13
 - `Round(12.751,2)` returns 12.75
 - `Round(12.755,2)` returns 12.76
- To use `round` with an aggregate function:

```
select round(avg(price),2) as "Average Book Price"  
from book;
```

6 of 13

Using Round()

- To round a numeric value to a whole number (or to 2 decimal places for example), use `round`.
 - `Round(12.75)` returns 13
 - `Round(12.751,2)` returns 12.75
 - `Round(12.755,2)` returns 12.76
- To use `round` with an aggregate function:

```
select round(avg(price),2) as "Average Book Price"  
from book;
```

05: SQL: Select statement

Select statement · Introduction · SQL Select statement · SQL Select statement Lab

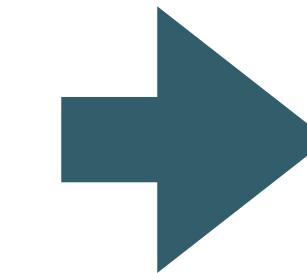
Aggregate functions · SQL Aggregate functions · SQL Aggregate functions Lab

Join clause · SQL Join · SQL Join 1 Lab · SQL Join 2 Lab

Date function · SQL Date functions · SQL Date functions Lab

Challenge 1: Resources

*Kitchen Sink
Example*



Reference Course
A reference course containing all supported learning objects

Current Week
Reading 5

Search Layout

Reference Cour...

Simple

Simple Topic with lectures + a lab

Varied

Variety of learning objects

Media

Videos presented in various contexts

Units

Units which contain variety of learning objects

Side Units

An example of a side unit

Cards with SVG

Learning objects with SVG images

Panel Talk

Panel talk promotes a presentation to topic page

Panel Note

Panel note promotes a note to Topic level

This screenshot shows the Tutors Reference Course interface. At the top, there's a header with the course title, a 'Current Week' section showing 'Reading 5', and navigation links for 'Search' and 'Layout'. Below the header is a toolbar with icons for various functions like 'File', 'Edit', 'Insert', 'Format', and 'Help'. The main content area displays eight cards, each representing a different type of learning object or feature:

- Simple:** Shows a computer screen with a large red 'X' over it, indicating a simple topic with lectures and a lab.
- Varied:** Shows a person at a desk with multiple windows open, representing a variety of learning objects.
- Media:** Shows a laptop displaying a video camera icon, representing videos presented in various contexts.
- Units:** Shows icons for a dollar sign, a timer, and a graph, representing units that contain variety of learning objects.
- Side Units:** Shows a computer monitor with an open book icon, representing an example of a side unit.
- Cards with SVG:** Shows a yellow chick icon, representing learning objects with SVG images.
- Panel Talk:** Shows a blue dashboard with a pie chart, representing panel talk promotes a presentation to topic page.
- Panel Note:** Shows a yellow notepad icon, representing panel note promotes a note to Topic level.

<https://github.com/tutors-sdk/tutors-reference-course>

<https://reader.tutors.dev/course/reference-course>

Challenge 1: Resources

Challenge 1: Creating & Publishing a course

The image shows three cards arranged horizontally under the heading "Challenge 1: Creating & Publishing a course".

- Learner Experience**: An illustration of a person wearing a graduation cap. Below it is the text "An overview of the Tutors Learner Experience".
- Creating a Course**: An illustration of a person holding a book. Below it is the text "Creating a Tutors Course".
- Editing a Course**: An illustration of a person riding a bicycle. Below it is the text "Editing and republishing a course".

*Overview of
Tutors UX*

*Overview of
Course
Creation*

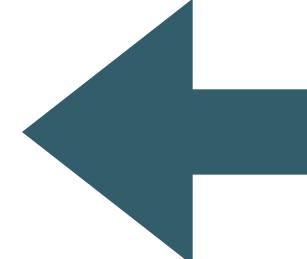
*Course
Structure*

Tutors Labs

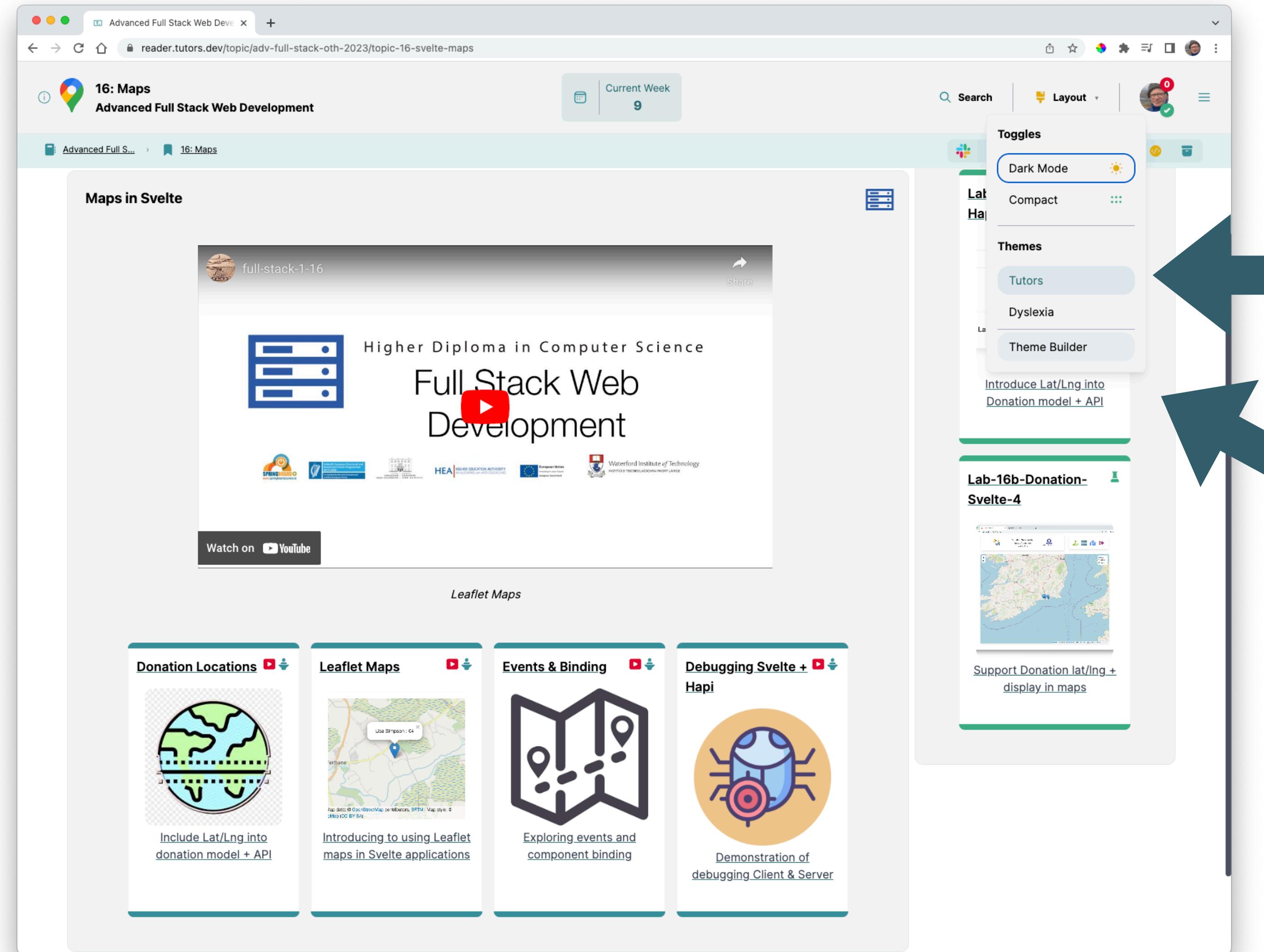
The image shows two cards from the "Tutors Labs" section.

- Lab-01-Create**: An illustration of three overlapping red diamonds. Below it is the text "Create and publish a Tutors course".
- Lab-02-Edit**: An illustration of a red organizational chart with three squares connected to a central square. Below it is the text "Explore and edit the elements of a Tutors course".

*Guides on
creating +
publishing
a course*



Challenge 2: Design and implement a new Theme + Icon Pack for Tutors, extending the UX in interesting ways. Rebuild the Tutors Reader to include these changes.

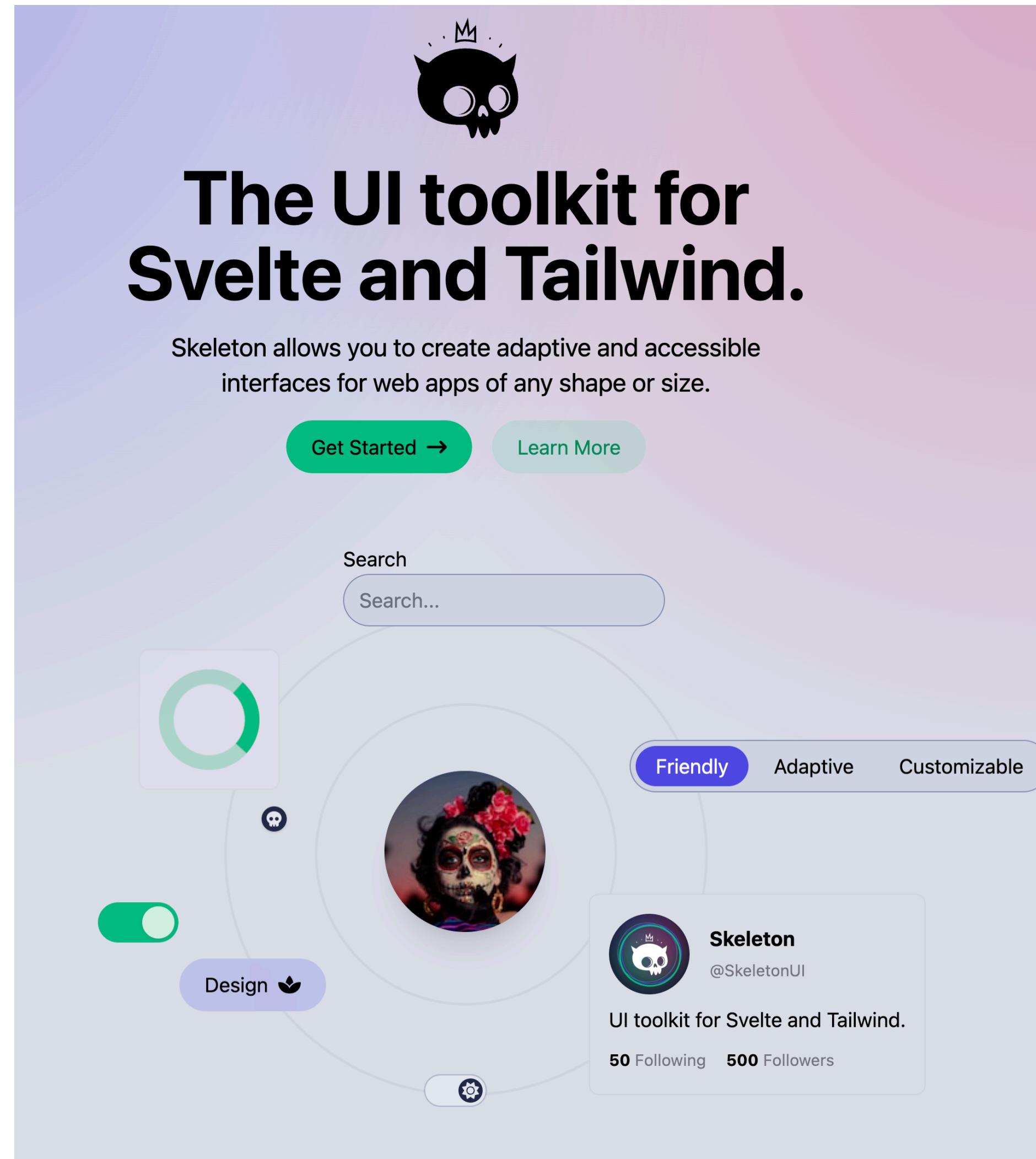
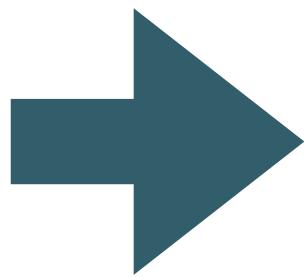


Themes
Selector

Themes
Builder

Challenge 2: Resources

Design System used by Tutors



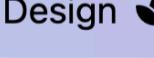
The UI toolkit for Svelte and Tailwind.

Skeleton allows you to create adaptive and accessible interfaces for web apps of any shape or size.

Get Started → Learn More

Search Search...

Friendly Adaptive Customizable

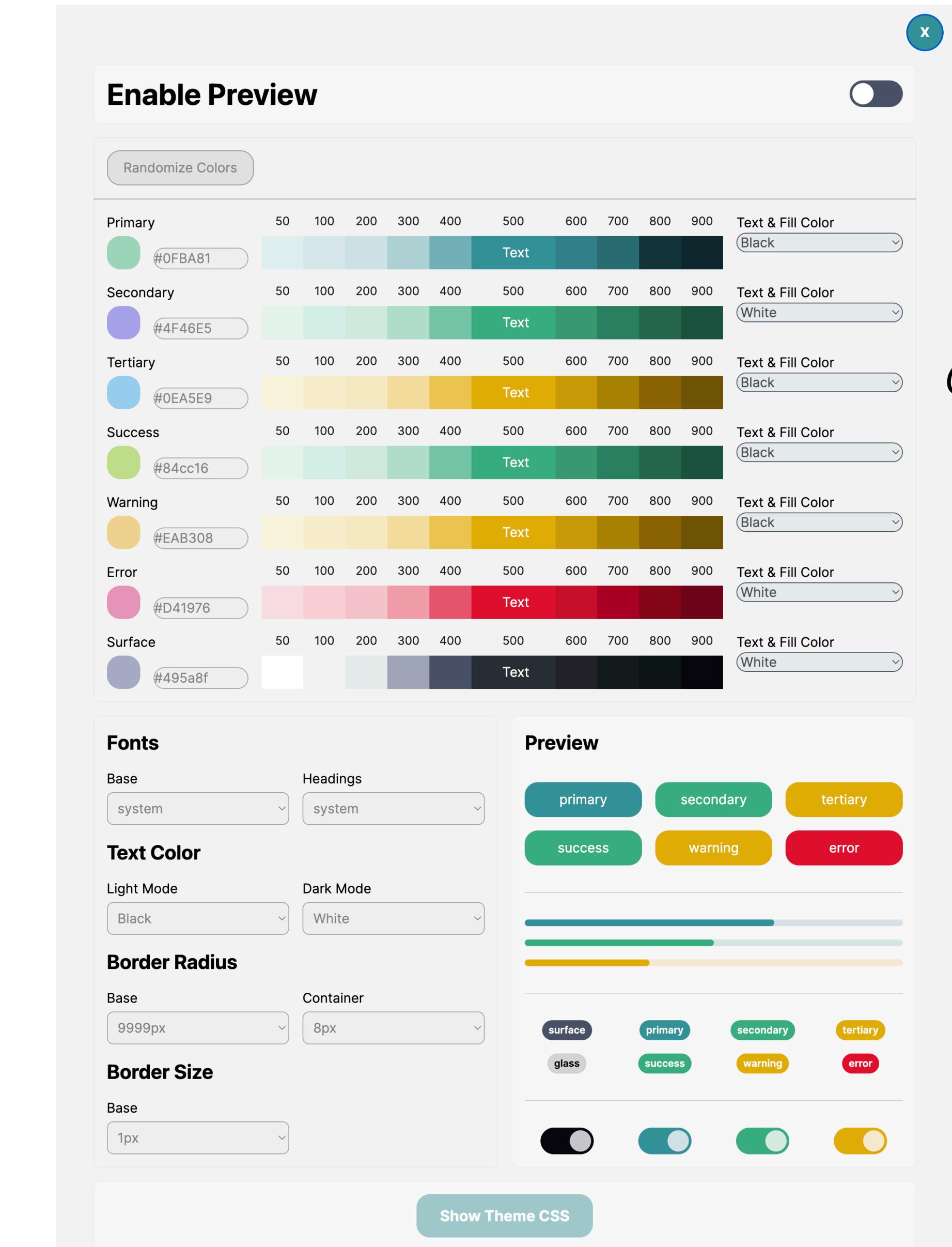
Design 

 **Skeleton** @SkeletonUI

UI toolkit for Svelte and Tailwind.

50 Following 500 Followers

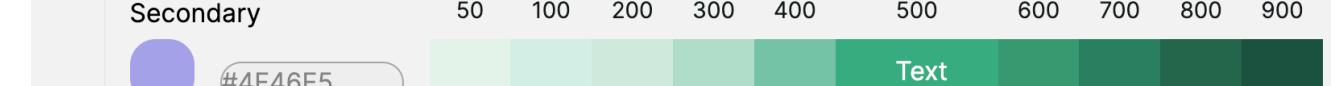
A screenshot of the Skeleton UI toolkit website. It features a purple gradient background with a central owl logo wearing a crown. The main heading is "The UI toolkit for Svelte and Tailwind." Below it is a subtext: "Skeleton allows you to create adaptive and accessible interfaces for web apps of any shape or size." There are two buttons: "Get Started →" and "Learn More". A search bar with placeholder text "Search..." is positioned below the subtext. At the bottom, there's a circular graphic with icons for "Friendly", "Adaptive", and "Customizable", and a "Design" button with a hand icon. On the right, there's a sidebar with social media links for Skeleton (@SkeletonUI) and follower counts (50 Following, 500 Followers).

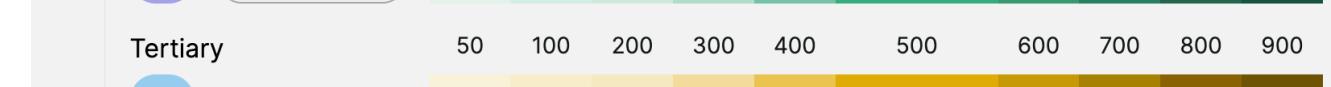


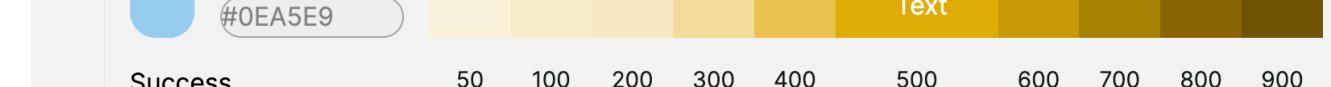
Enable Preview

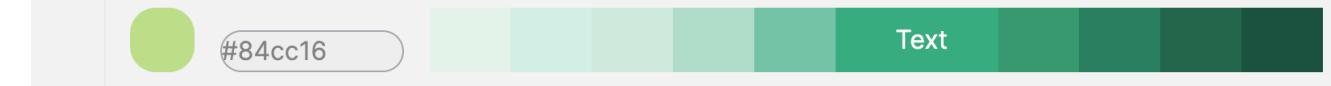
Randomize Colors

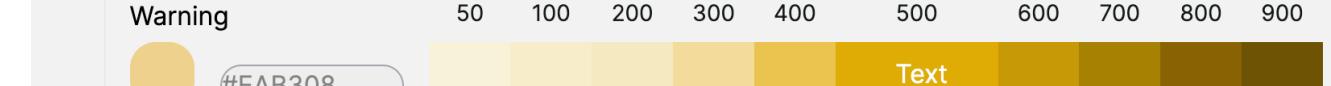
Primary  Text & Fill Color: Black

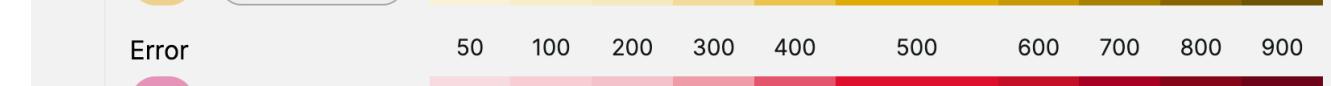
Secondary  Text & Fill Color: White

Tertiary  Text & Fill Color: Black

Success  Text & Fill Color: Black

Warning  Text & Fill Color: Black

Error  Text & Fill Color: White

Surface  Text & Fill Color: White

Fonts

Base: system Headings: system

Text Color

Light Mode: Black Dark Mode: White

Border Radius

Base: 9999px Container: 8px

Border Size

Base: 1px

Preview

primary secondary tertiary

success warning error

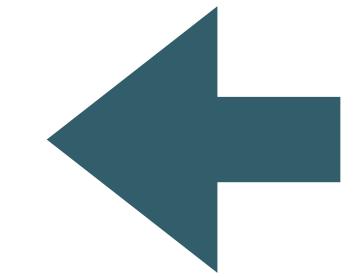
surface primary secondary tertiary

glass success warning error

Show Theme CSS

A screenshot of the Tutors Reader theme designer interface. It has a header "Enable Preview" with a toggle switch. Below it is a "Randomize Colors" button. The main area contains eight color palettes, each with a color swatch, hex code, and a "Text & Fill Color" dropdown set to either "Black" or "White". Below the palettes are sections for "Fonts" (Base: system, Headings: system), "Text Color" (Light Mode: Black, Dark Mode: White), "Border Radius" (Base: 9999px, Container: 8px), and "Border Size" (Base: 1px). To the right, there are preview sections showing colored buttons and bars for "primary", "secondary", "tertiary", "success", "warning", "error", "surface", and "glass" themes. At the bottom is a "Show Theme CSS" button.

Theme designer built into Tutors Reader



Challenge 2: Resources

Challenge 2: Theme & Iconography

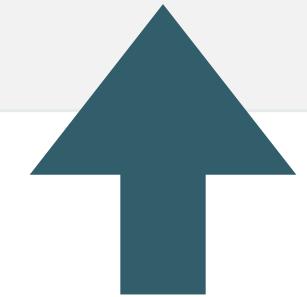
The slide displays three cards under the heading "Challenge 2: Theme & Iconography".

- Tutors Theming**: Shows a green mountain icon with a sun icon above it. Text: "Exploring the Tutors Theme Subsystem".
- Skeleton**: Shows a dark blue circular icon with a white skull and a crown. Text: "The Skeleton.dev Theming Subsystem".
- Iconify**: Shows a blue smiley face icon. Text: "The Icon Libraries used by Tutors".

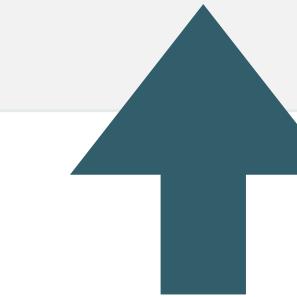
Overview of
Tutors Themes



Skeleton
Design
Systems



Icon Library
used by Tutors



Lab-03-Rebuild

Tutors

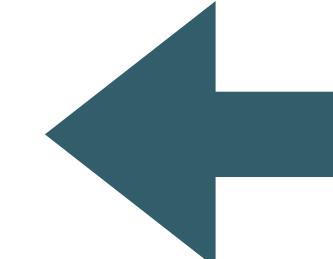
Download and build the tutors reader application.

Lab-04-Create a

Theme

Generate a new theme

Guides on
Rebuilding
&
Theming
Tutors



Challenge 3: Reimagine the Tutors learning experience, revising the existing UX, proposing simple or radical alternative layouts, navigation, learning objects & interaction patterns.

Unit Panel

This is a note with at TOC

This is the intro to the main page.

- Part 1
- Part 2
- Part 3
- Part 4

Higher Diploma in Computer Science
Full Stack Web Development

Watch on YouTube

Panel Video

Lecture
This talk has a pdf + a video with start/end times

Lecture
This one just has a video, no PDF

Lab-01
A regular lab but supported by a video

An example of a side unit

Cards with SVG

Learning objects with SVG images

Panel Talk

Panel talk promotes presentation to topic

17

WatchLater Share

Waterford Institute of Technology

HEA Higher Education Authority

European Union

SPIN&GO

Unit 1 Title

17 Higher Diploma in Computer Science Full Stack Web Development

Panel Video

Lecture
A short summary of the talk, no more than two sentences. Avoid bullet...

Lecture
Provide a short summary, perhaps supported by a representative image.

Lab-01
A set of practical instructions or a walk-through

Lab-01
A set of practical instructions or a walk-through

Lab-01: Objectives

01: Text

02: Tables, Lines and Images

03: Links and Code Blocks

04: Images

05: Katex

Exercises: Exercises & Archives

Links and Code Blocks

You can insert links in bullet points:

- <http://github.com>
- <http://bitbucket.dom>

More Code Block examples

```
publish(path, course) {
  const basePath = '../' + path + '/' + this.folder;
  futils.initEmptyPath(basePath);

  this.resources = this.talks.concat(this.labs);
  futils.copyFileToFolder(this.img, basePath);
  futils.writeFile(basePath + '/index.html', nunjucks.render('index.html', { url: this.url.substring(5) + '/' + this.folder }));
  futils.writeFile(basePath + '/ajaxlabel.html', nunjucks.render('ajaxlabel.html', { url: this.url.substring(5) + '/' + this.folder }));
  futils.writeFile(basePath + '/indexmoodle.html', nunjucks.render('indexmoodle.html', { url: this.url.substring(5) + '/' + this.folder }));

  console.log(this.title);
  this.publishTalks(basePath);
  this.publishLabs(basePath, course);
}
```

1 of 1

Tutors Starter Presentation.pdf

Replace with your own slide deck in a .pdf format!

Topic structure:

- topic-01
 - unit-1
 - book-a
 - talk-1
 - talk-1.jpg
 - talk-1.md
 - talk-1.pdf

Varied

Note Example
is a document in Markdown

Resource 1
A zipped archive for students to download

Github Repo 1
A repo in github that captures important lessons from this topic

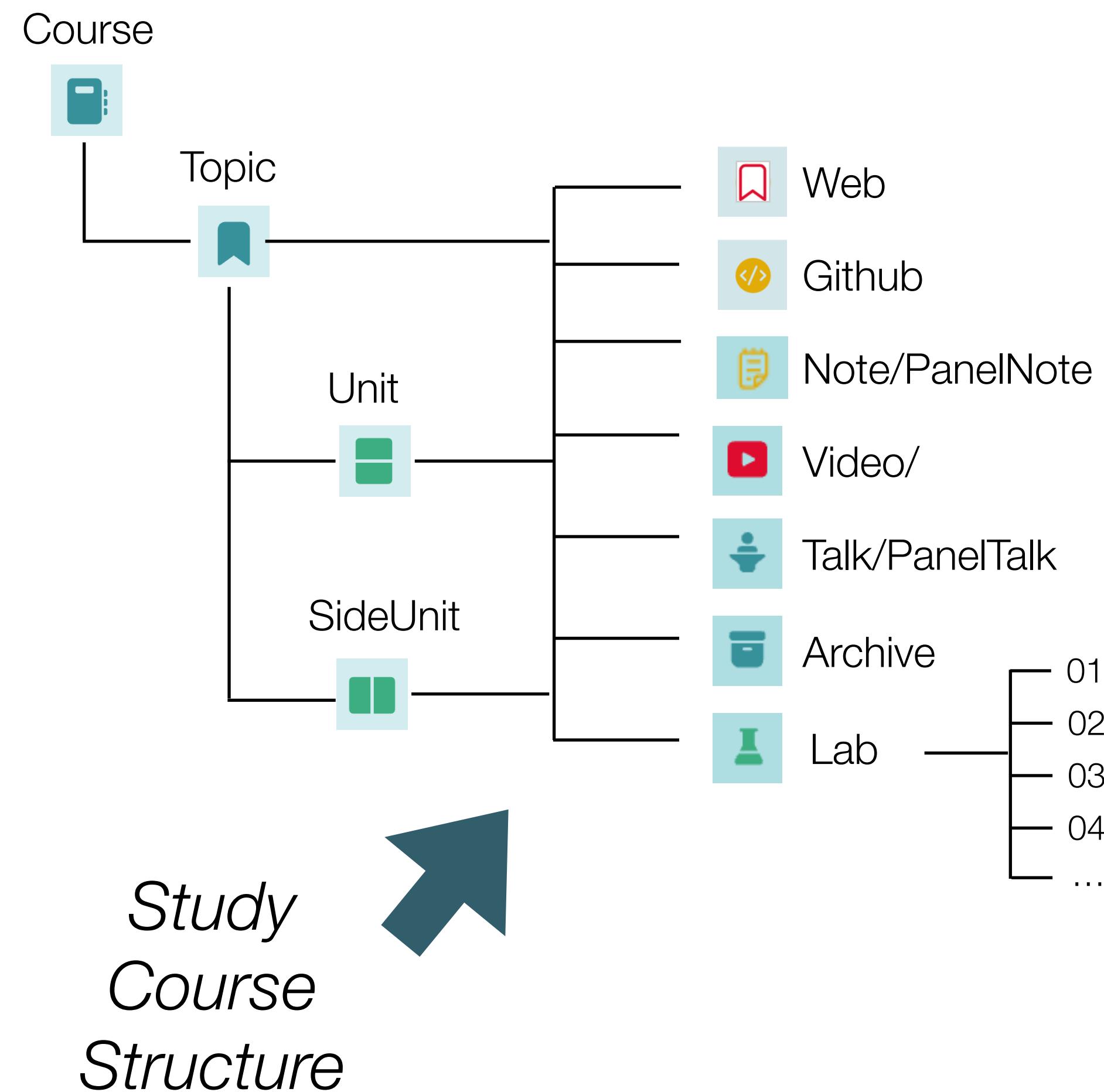
Web Site
A web site of interest

Lab-01
A set of practical instructions or a walk-through

This is a note with at TOC
This note has a linkable table of contents, generated automatically

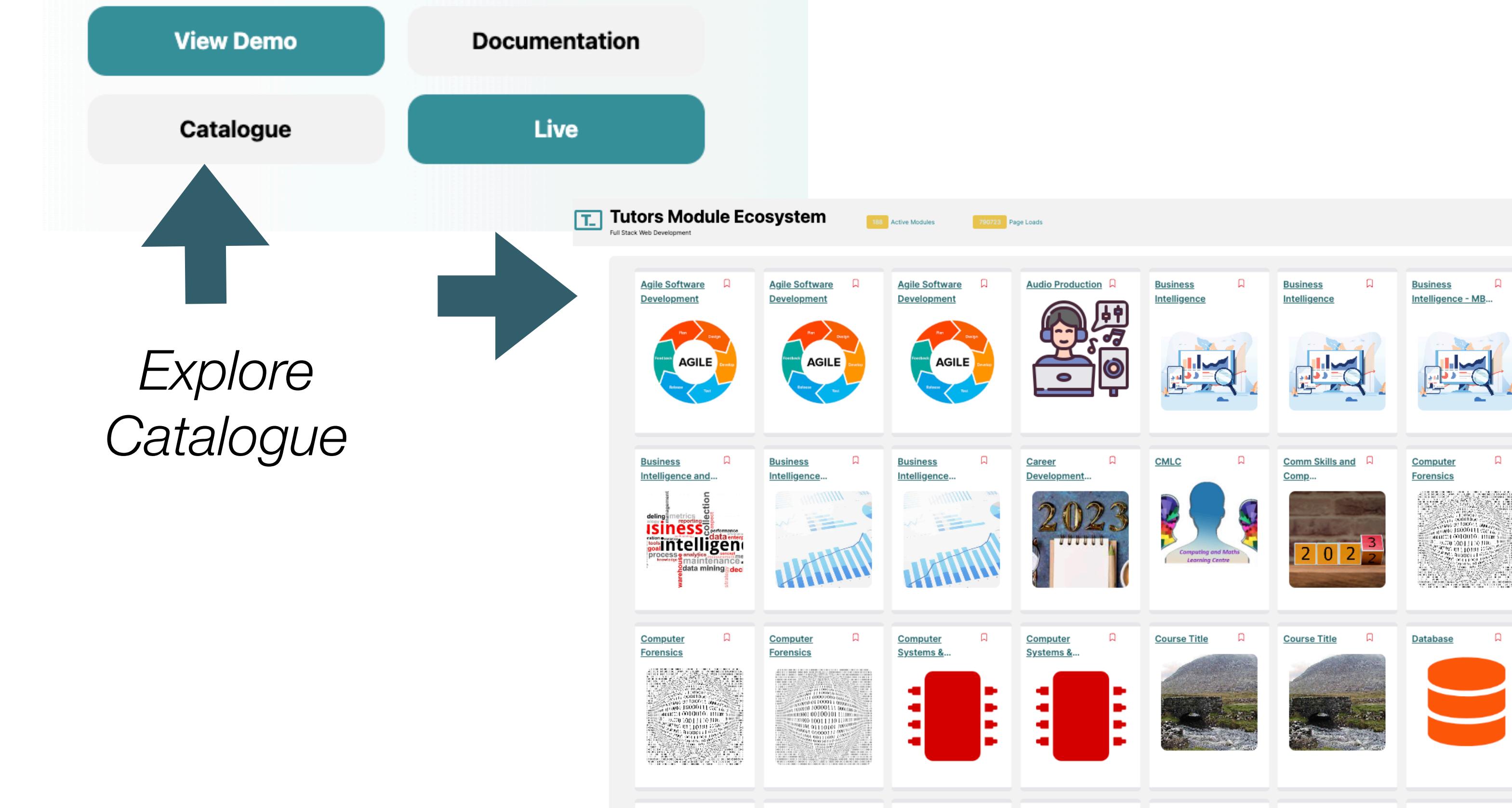
Lecture 1
A short summary of the talk, no more than two sentences. Avoid bullet...

Challenge 3: Resources

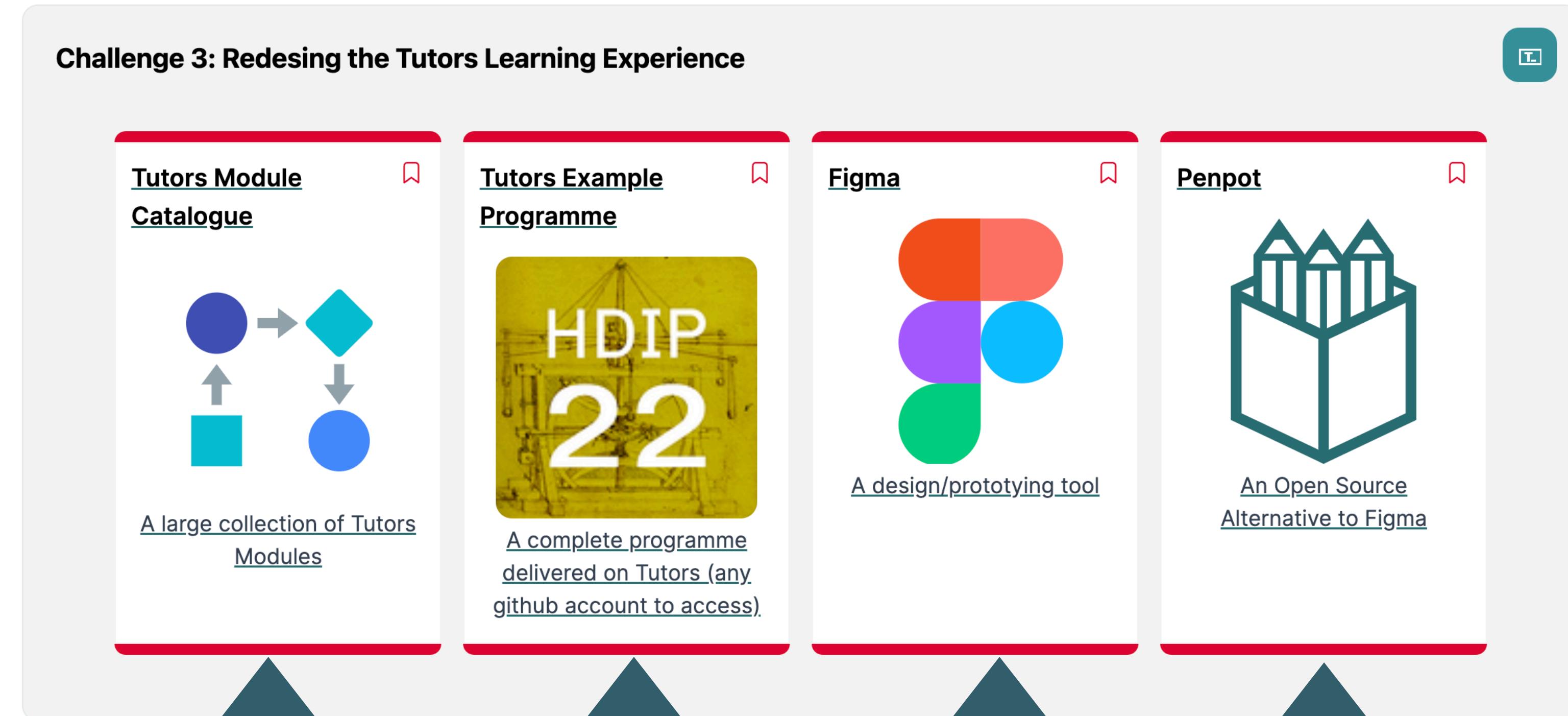


An Open Learning Web Toolkit

A collection of open source components & services supporting the creation of transformative learning experiences using open web standards.



Challenge 3: Resources



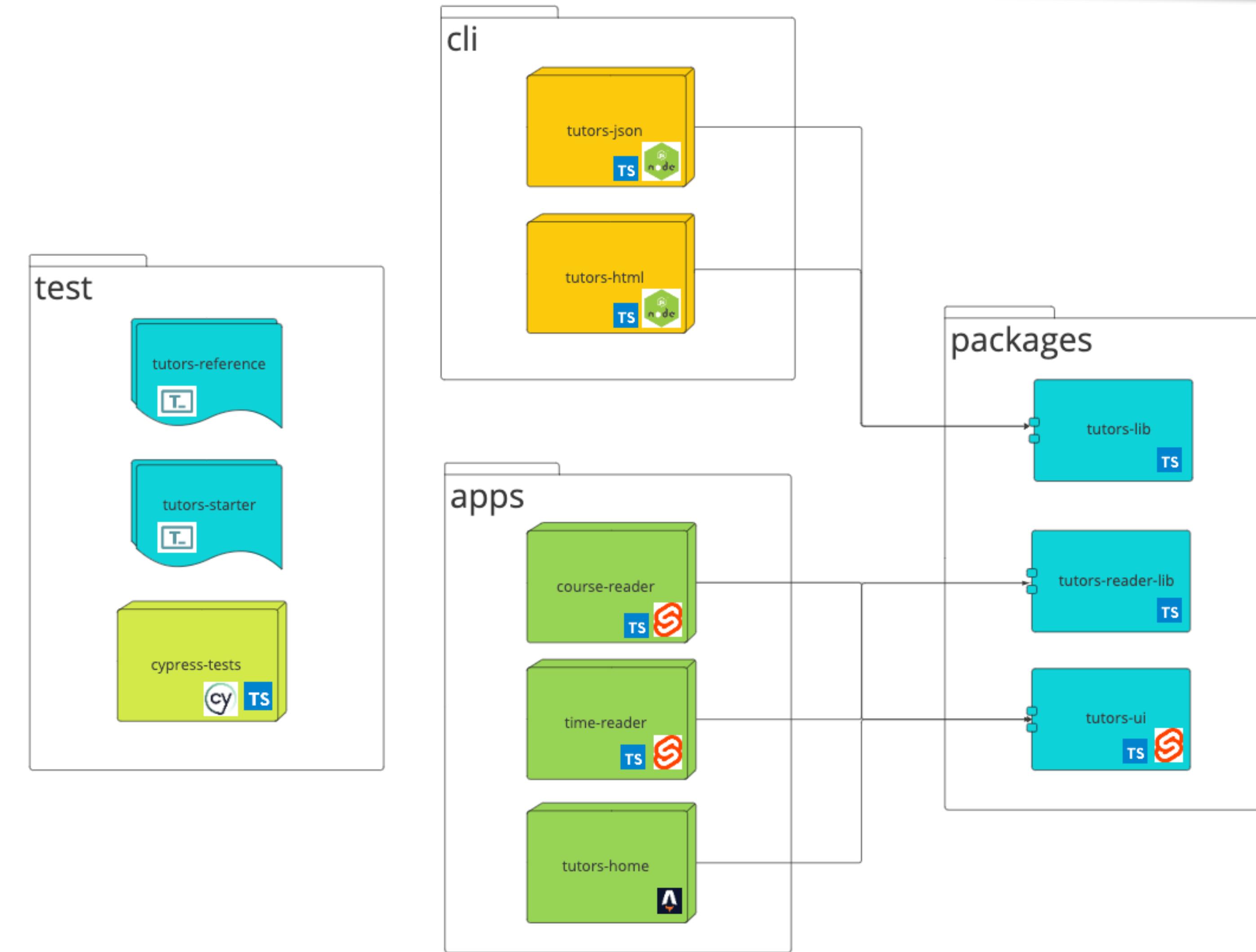
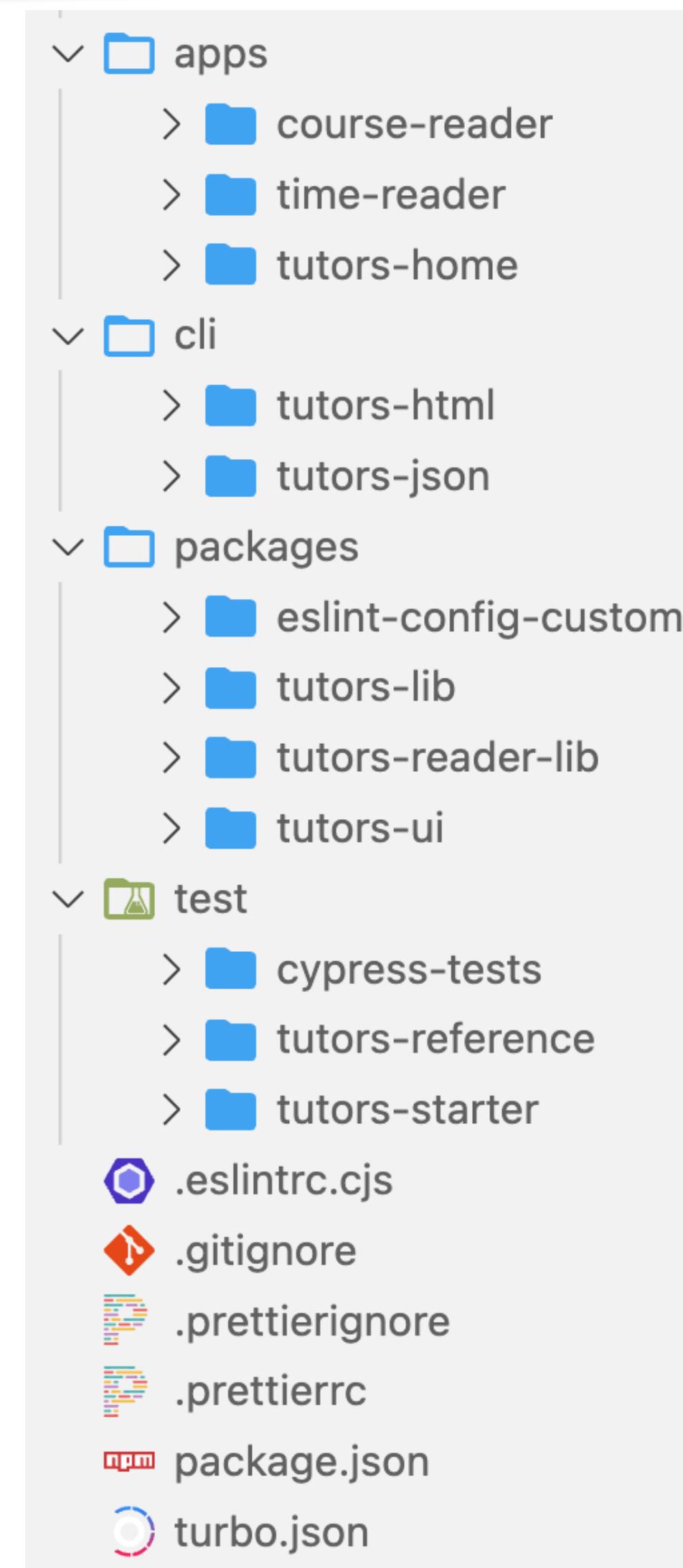
Tutors Module Catalogue

Complete Multi-Course Programme

Figma Prototyping Tool

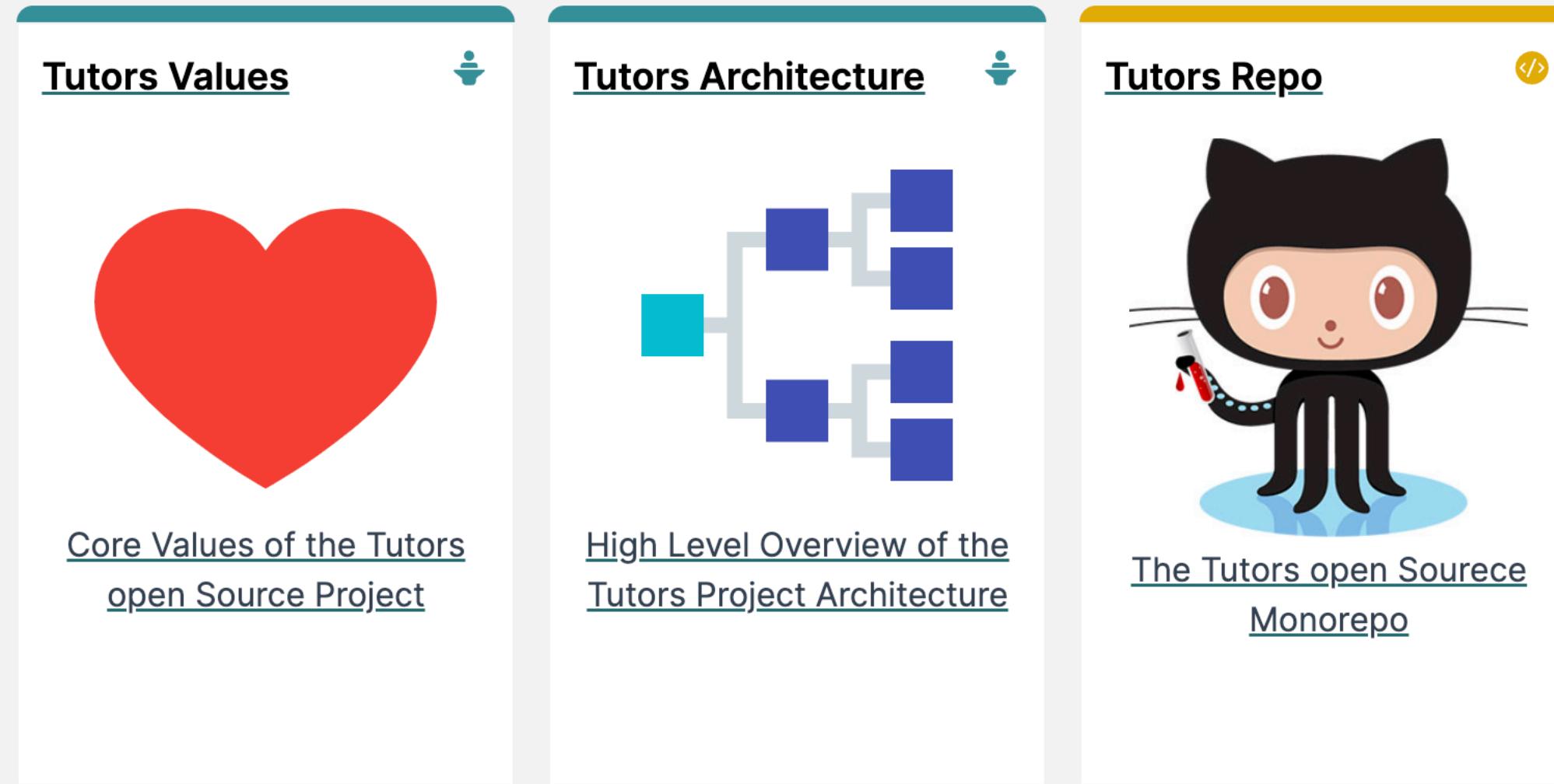
Open Source Figma Alternative

Challenge 4: Map out an implementation of Challenge 3 in the Tutors Open Source Project.



Challenge 4: Resources

Challenge 4: Implement (some of) the re-imagined features

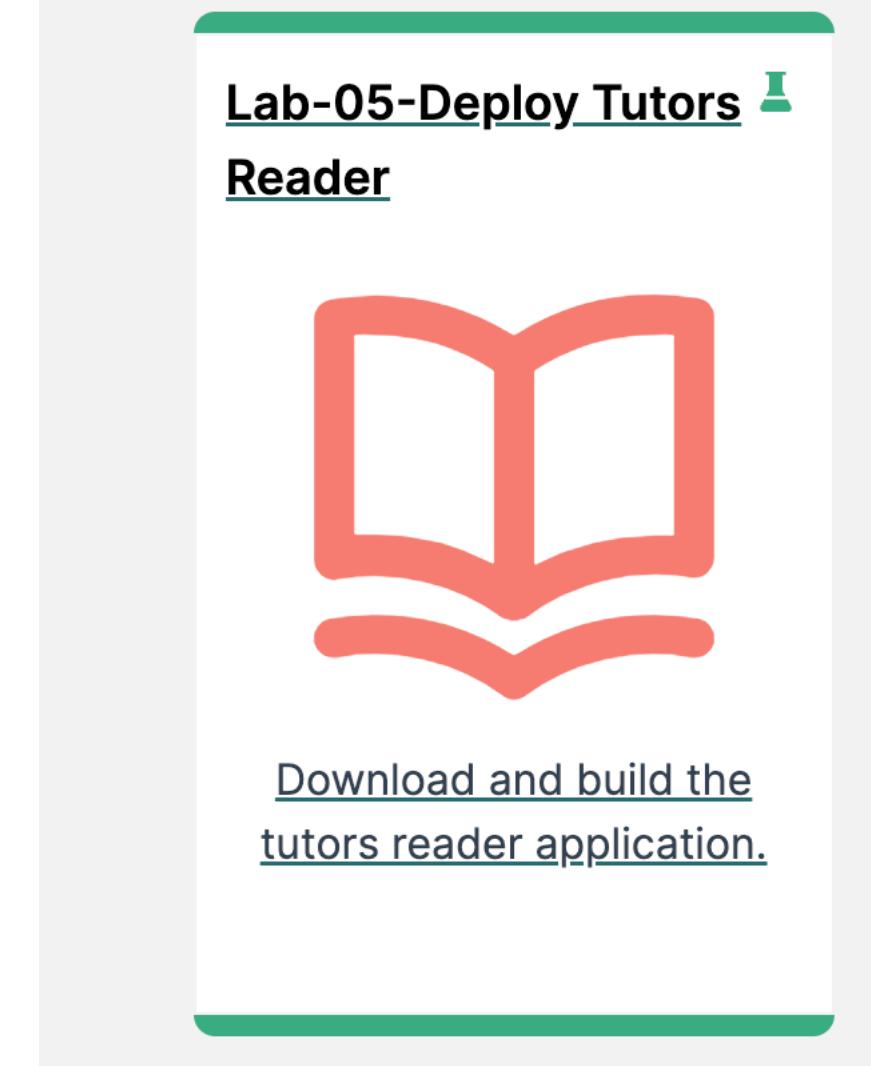


Tutors Values
Core Values of the Tutors open Source Project

Tutors Architecture
High Level Overview of the Tutors Project Architecture

Tutors Repo
The Tutors open Source Monorepo

Guiding Principles of Tutors
Tutors Architecture
Tutors Source Monorepo



Lab-05-Deploy Tutors Reader
[Download and build the tutors reader application.](#)

Deploying a new Tutors Reader

