

GA Building Modular Content

— Design System

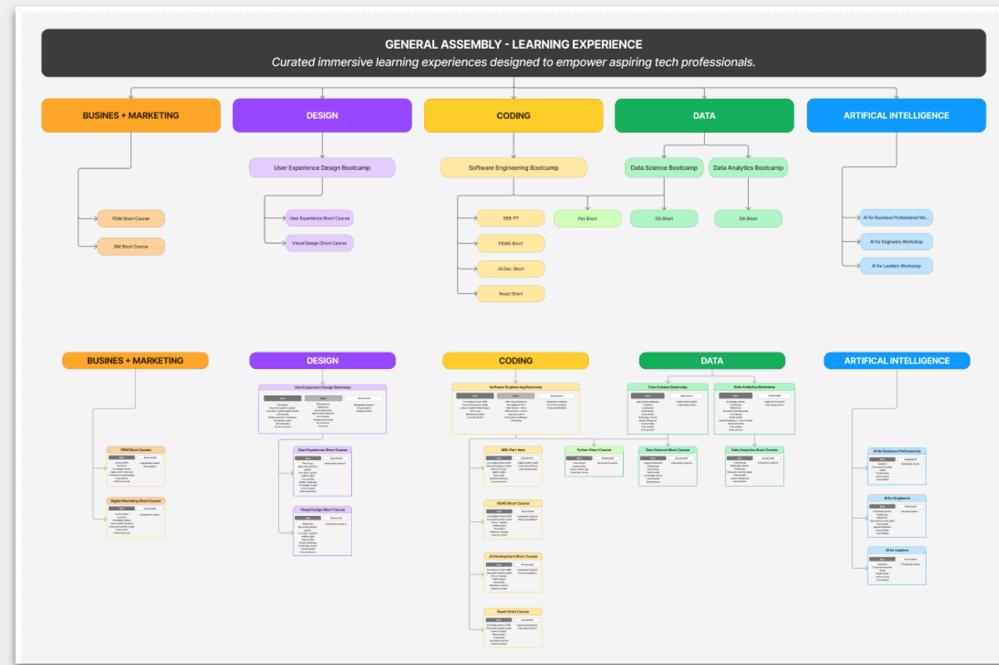
 GENERAL ASSEMBLY

What is the LX Design System?

The LX Design System is what is used to create stylistically unified products following the Style Guide provided by Marketing.

It has robust notes throughout to provide guidance on how and where to find various resources to develop learning material.

It is important to know that this is a living document which means that it is being updated by the LRD team as needed.



How to Use It

Start with Learning Team Templates

The templates will be used to create content in GitHub, Google Slides, and Canvas. All templates are linked and ready to be used.

The LX Design System is robustly built out with all templates and broken into six sections including documentation, non-coding lessons, coding lessons, video lessons, assessment, and Canvas. Each section has detailed, annotated notes that explain how to use the template and the styling conventions to follow.



How to Access It

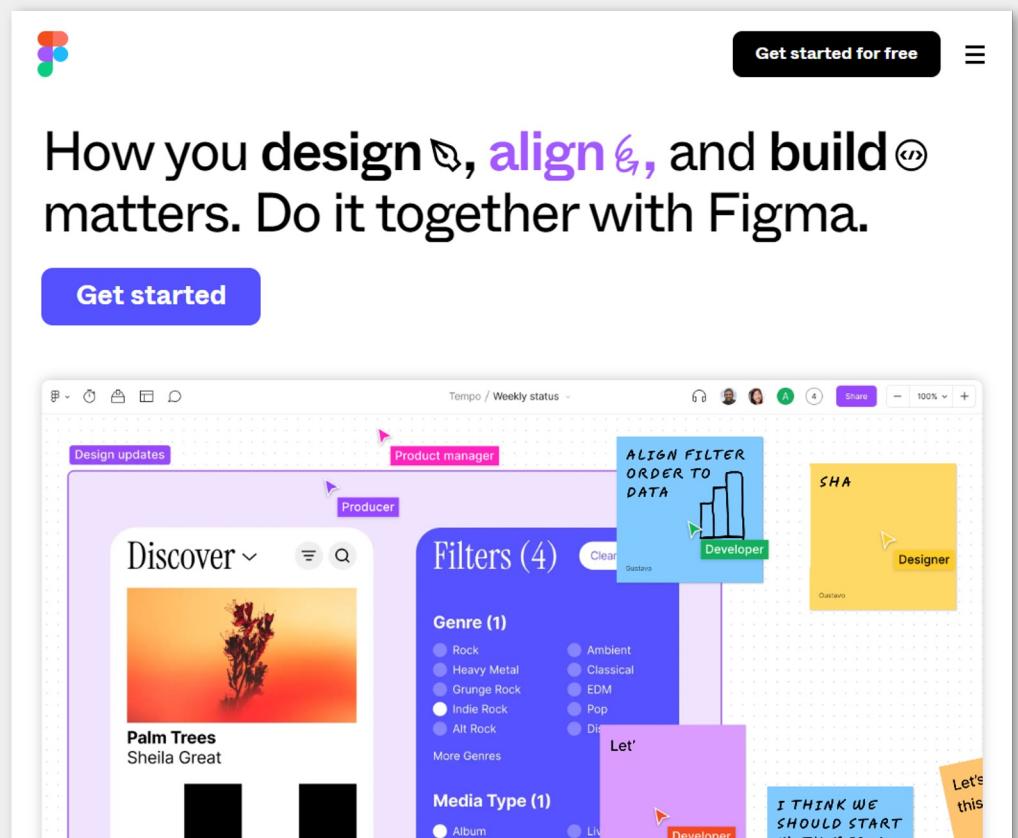
Step 1: Make a [Figma](#) account using your General Assembly email. You will only be using Figjam and need view access.

What if I already have one but with my personal email account?

Please use your General Assembly email, so we can provision you a view licence.

Step 2: Open up the [LX Design System](#).

Step 3: Check out the templates and begin opening up what you need and reviewing the necessary sections.



Designing Coding Courses in GitHub



What is Modularization?

Modularization is the process of creating modules of content that can function independently from other modules of content.

A module is a **self-contained package of instruction focused on a specific topic or skill**. Think: JavaScript Arrays, Python Functions, JWT Authentication in React.

All technical modular content lives in the [Modular Curriculum All Courses organization on GitHub Enterprise.](#)

Why Modularization?

Modularization allows us to build courses more quickly by enabling us to reuse the same content across multiple courses.

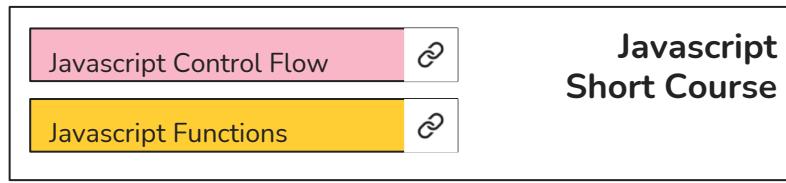
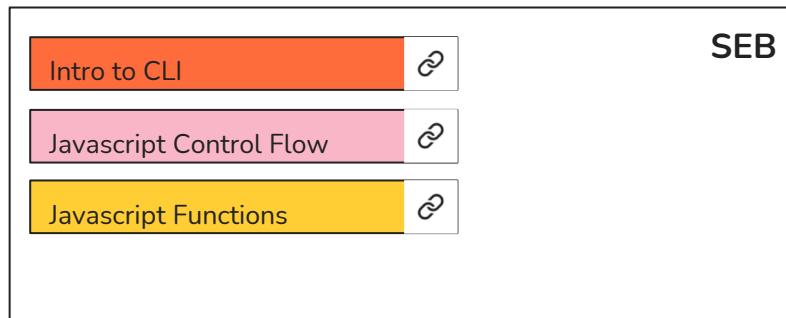
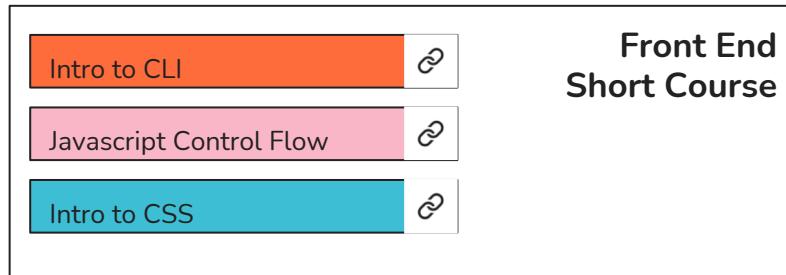
Instead of duplicating the same content across multiple accounts/organizations and iterating on each piece of content individually, modularization enables us to build the content once and reuse it in multiple places.

If the content needs updates, then all courses that use that content benefit from the updates simultaneously.

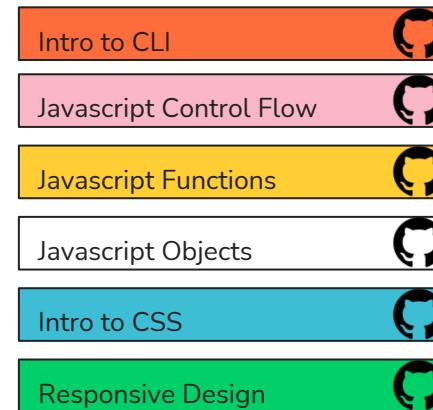


Modules are Reusable *Repos* of Content

Modular Courses



Modular Curriculum All Courses



Modular Curriculum All Courses
This org contains lesson modules for all modularized courses at General Assembly.
Part of General Assembly

Overview Repositories 362 People 19 Teams Projects Settings

Pinned

universal-resources Public

HTML ⭐ 1 ⛡ 3

Repositories

Find a repository... Type Language Sort New

intro-to-sql-lab-starter-code Public

⭐ 0 ⛡ 2 ⛢ 0 ⛢ 1 Updated 4 hours ago

intro-to-sql-lab Internal

HTML ⭐ 0 ⛡ 1 ⛢ 0 ⛢ 1 Updated 4 hours ago

TEMPLATE-FILES Internal

⭐ 0 ⛡ 0 ⛢ 0 ⛢ 0 Updated 15 hours ago

django-crud-app-cat-collector Internal

HTML ⭐ 0 ⛡ 0 ⛢ 0 ⛢ 0 Updated yesterday

flask-api-pets-back-end Internal

HTML ⭐ 0 ⛡ 0 ⛢ 0 ⛢ 0 Updated 3 days ago

intro-to-mongoose Internal

HTML ⭐ 0 ⛡ 2 ⛢ 0 ⛢ 0 Updated 3 days ago

python-budget-tracker-application-project Internal

HTML ⭐ 0 ⛡ 0 ⛢ 0 ⛢ 0 Updated 4 days ago

Modular Curriculum All Courses Org

Contains all modular repos for all modular courses. (over 350+ repos and counting)
No content should live outside of this org.

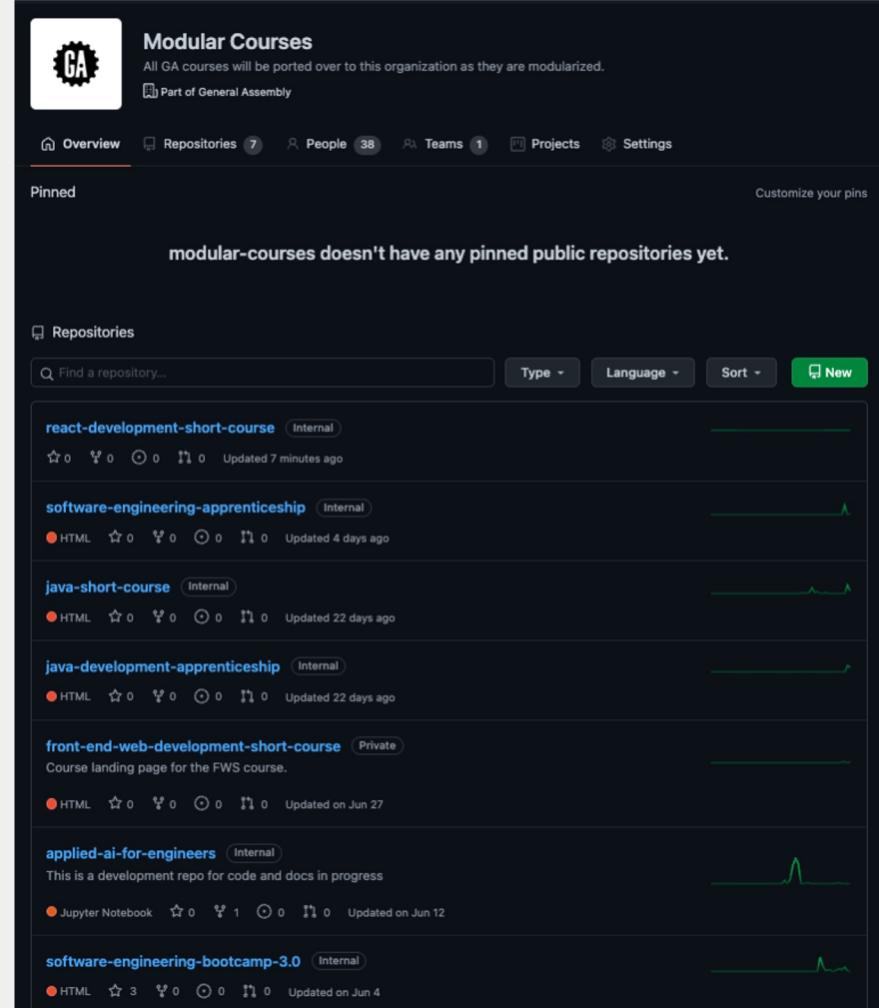
These are internal repos. In most cases, direct repo links should not be shared with students. "Starter code" repos are the exception.

Students interface with all content via iframes in Canvas.

This is an open org for all Instructors, IMs and LEDs to join.

[View the Modular Curriculum All Courses org in Github Enterprise](#)





Modular Courses

All GA courses will be ported over to this organization as they are modularized.

Part of General Assembly

Overview Repositories 7 People 38 Teams 1 Projects Settings

Pinned Customize your pins

modular-courses doesn't have any pinned public repositories yet.

Repositories

Find a repository... Type Language Sort New

Repository	Type	Language	Sort	New
react-development-short-course (Internal)	Internal			
software-engineering-apprenticeship (Internal)	Internal			
java-short-course (Internal)	Internal			
java-development-apprenticeship (Internal)	Internal			
front-end-web-development-short-course (Private)	Private			
Course landing page for the FWS course.				
applied-ai-for-engineers (Internal)	Internal			
This is a development repo for code and docs in progress				
software-engineering-bootcamp-3.0 (Internal)	Internal			
Jupyter Notebook	Star 0 Fork 1 Commit 0 Issue 0 Updated on Jun 12			
software-engineering-bootcamp-3.0 (Internal)	Internal			
HTML Star 3 Fork 0 Commit 0 Issue 0 Updated on Jun 4				

Modular Courses Org

Contains one repo for each modularized course we offer.

These are internal repos- resources for instructors and LEDs, not intended for students.

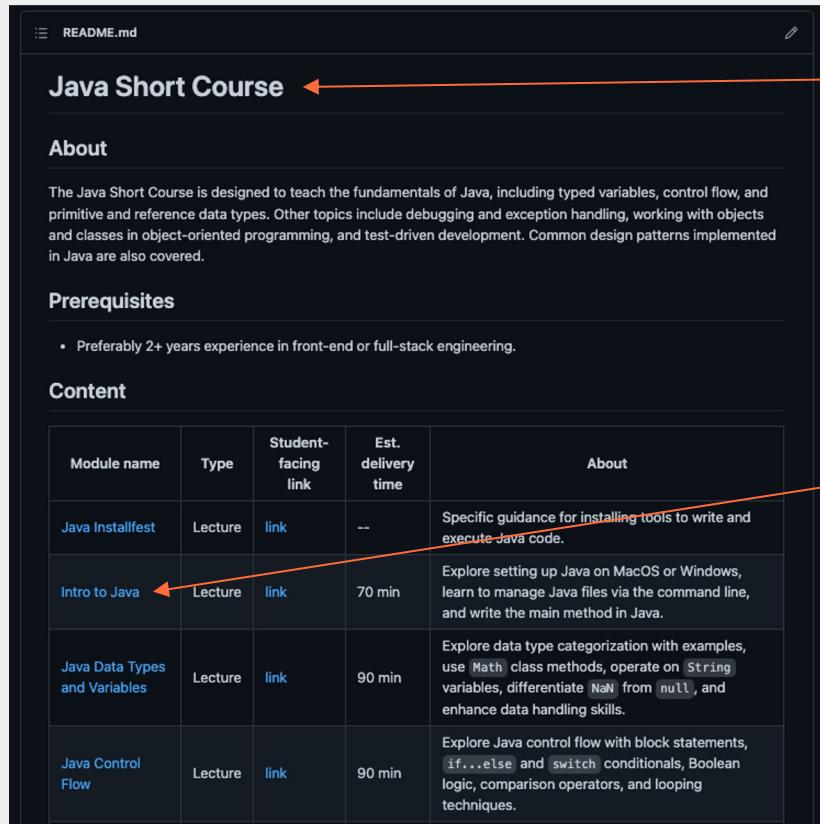
Students interface with all content via Canvas.

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[View the Modular Courses org in Github Enterprise](#)



Building Modular Courses



README.md

Java Short Course

About

The Java Short Course is designed to teach the fundamentals of Java, including typed variables, control flow, and primitive and reference data types. Other topics include debugging and exception handling, working with objects and classes in object-oriented programming, and test-driven development. Common design patterns implemented in Java are also covered.

Prerequisites

- Preferably 2+ years experience in front-end or full-stack engineering.

Content

Module name	Type	Student-facing link	Est. delivery time	About
Java Installfest	Lecture	link	--	Specific guidance for installing tools to write and execute Java code.
Intro to Java	Lecture	link	70 min	Explore setting up Java on MacOS or Windows, learn to manage Java files via the command line, and write the main method in Java.
Java Data Types and Variables	Lecture	link	90 min	Explore data type categorization with examples, use <code>Math</code> class methods, operate on <code>String</code> variables, differentiate <code>NaN</code> from <code>null</code> , and enhance data handling skills.
Java Control Flow	Lecture	link	90 min	Explore Java control flow with block statements, <code>if...else</code> and <code>switch</code> conditionals, Boolean logic, comparison operators, and looping techniques.

Each course should have its own repo in the **Modular Courses** org. This repo serves as a “table of contents” for all course materials.

These course pages can be forked by instructors to add custom cohort specific info such as instructor names, course times, or slack channels.

Modules are *linked* in the main **README.md** for each course.



Module Templates

Get started creating new modules with these templates:

- [Lesson Modules](#)
- [Lab Modules](#)
- [Project Modules](#)

Creating New Modules in GitHub

All content creators building in Github need to build using our prescribed structure and using our templates for modular content.



Access Our Guide at:

<https://generalassembly.atlassian.net/wiki/spaces/learningteam/pages/3962535976/Creating+Modular+Content+in+GitHub>

