



Codebase

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Project Abstract

The focus of this group will be the development of a web based application for the sharing and storing of code snippets. A given user will be able save and classify a piece of code either publicly or privately. Each entry will be able to be tagged by language and purpose, allowing for an easily searchable and filterable nexus of coding solutions. Publicly posted entries will feature a liking and commenting system to promote discussion and the advancement of better code over inefficient code.



User Stories

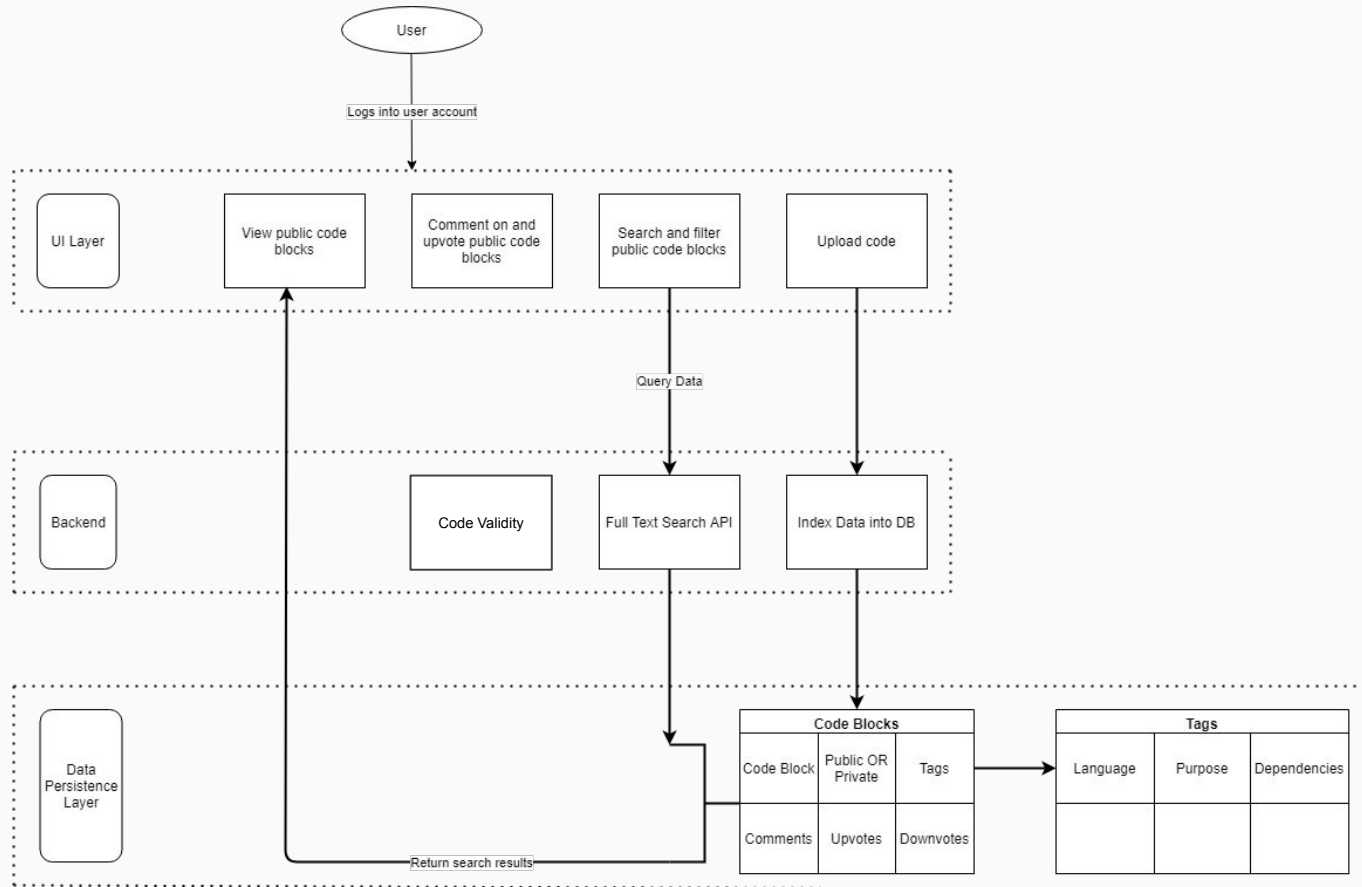
As a **beginner programmer**, I want a place where I can store my entry level code, so that I can easily review and copy basic code in the future.

As a **front-end developer**, I want to find HTML syntax for a basic login page, so that I do not have to go search through an old project to copy code.

As a **back-end developer**, I want to be able to store API skeleton code, so that I can easily build out APIs without having to rewrite the same code repetitively.

As a **database administrator**, I want to be able to store my frequently used queries, so that I don't have to save them to my machine.

Design Diagram





Constraints

Time

Security

Scope

Economic Cost





Review Project Progress

Currently this project is still in the design and planning phase.

Current topics being reviewed and researched: JS frameworks, database services, back-end frameworks, and ways to host.





Expected Accomplishments for this Semester

1. Understand how to build out our own backend APIs to serve information to the frontend of our application.
2. Understand the implementation of third party APIs to validate user input code.
3. Learn how to build and manage a database that implements full text search on the data.
4. Build out an intuitive UI and smooth UX for the frontend.

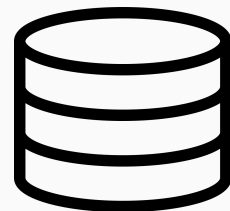
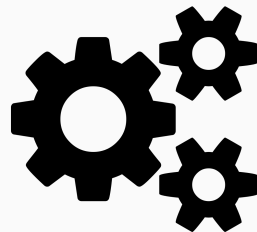


Division of Work

Database Lead - Seth Hanusik

Front-end Lead - Matthew Schlager

Back-end Lead - James Wilfong



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