Capstone design Presentation

By: Harry, Corey, Caige, Kris, Spenser

Team member Info

Harry Soans

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Client Info

Company Name: Intertwined Finance

Intertwined aims to expand its educational offerings by developing a state-of-the-art Content Management System (CMS) for our online coursework and a new Global Economics Simulation.

Business Requirements

BR1: Tailwind CSS and React Integration for Front-end.

BR2: Simplified Course Content Management with Version Control and Student Metric persistence.

Uses Cases

next-gen-financial-learning-hub/Design/UseCases.md at master · corey brown dev/next-gen-financial-learning-hub (github.com)

- Overview of the Use Cases
    - Actors
        - Administrator
        - Instructor
        - Student
    - Demonstrates the flow of various actions performed within the system
        - Examples…
            - A system Administrator will perform a series of actions which lead to the modification of course content
            - A system Administrator will perform a series of actions that result in a persistence of student metric data
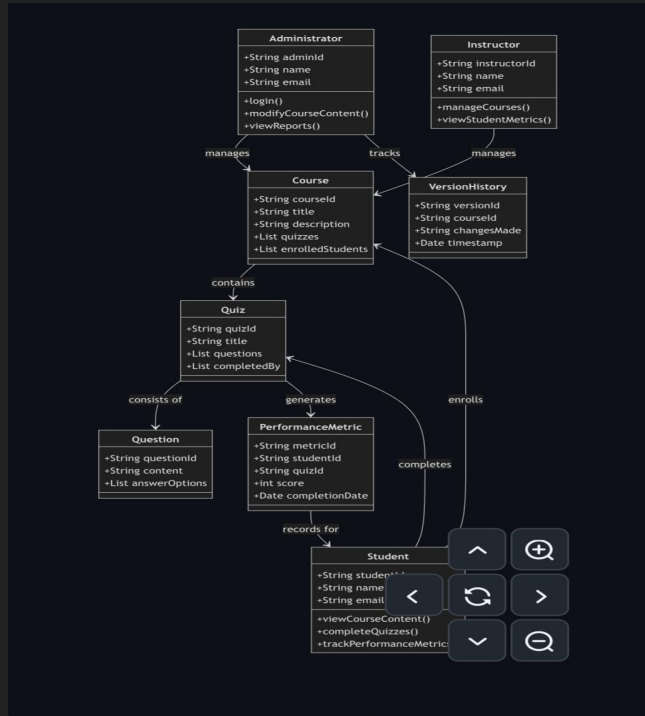   - Etc…

Requirements

next-gen-financial-learning-hub/Design/Requirements.md at master · coreybrowndev/next-gen-financial-learning-hub (github.com)

- Overview of the functional requirements which the system must perform
  - Examples…
    - The system shall allow the Administrator to log in and view course content.
    - The system shall allow the Administrator to add or modify quiz questions and learning content
    - The system shall save all updates made to course content in the database.

Domain Model

next-gen-financial-learning-hub/Design/DomainModel.md at master · coreybrowndev/next-gen-financial-learning-hub (github.com)

Tech Stack
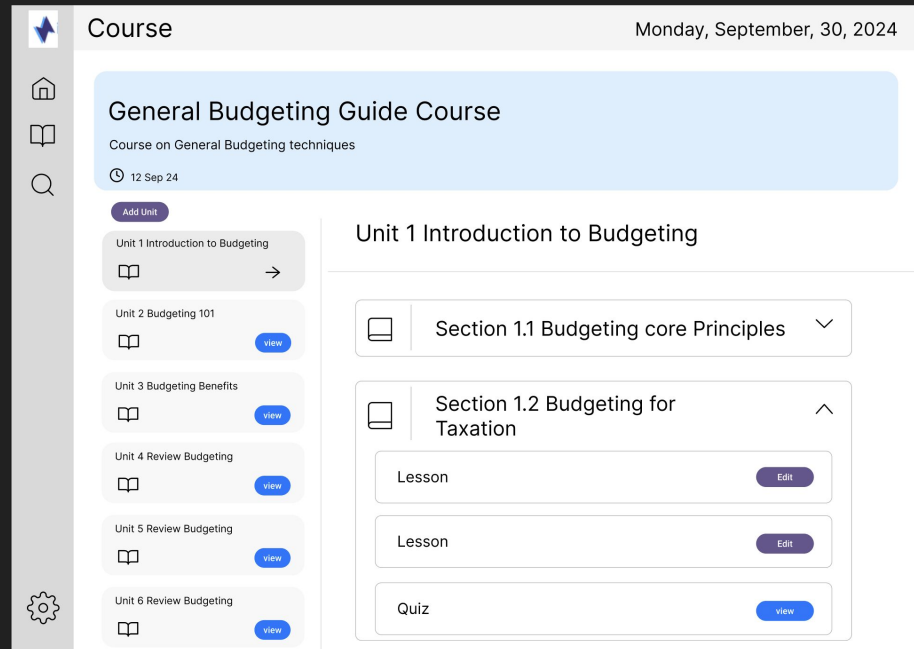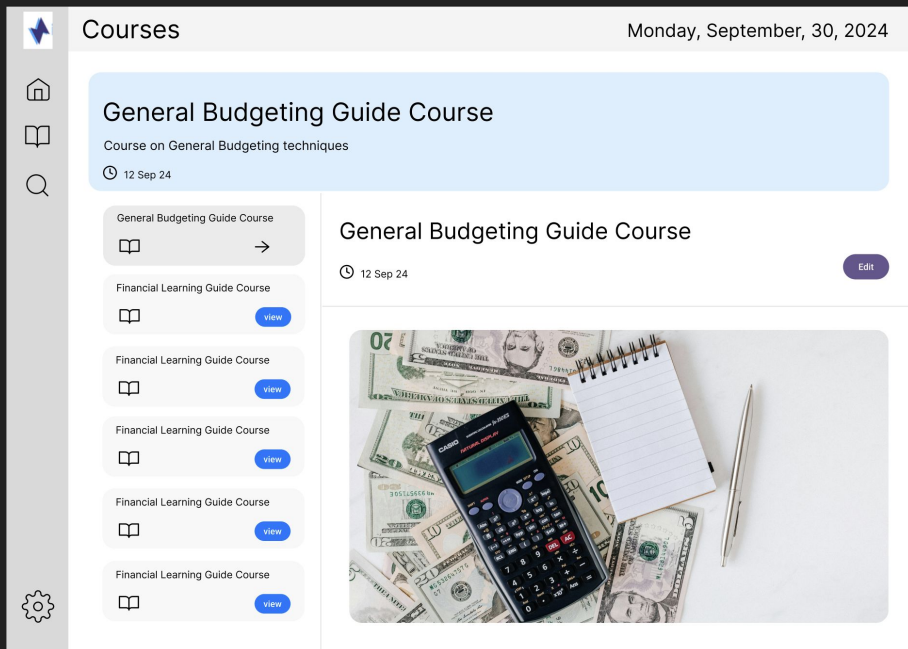
Overview of the Technology

- React JS
- Tailwind CSS
- .NET
- MySQL DB
- Potentially (Strapi Headless CMS) replacement for backend

Prototype

First Iteration Feature

https://github.com/users/HarrySoans/projects/1/views/1

Todo 6

Draft
Edit quiz question

Draft
Create question pool for each question

Draft
Student metrics tracking

Draft
student performance metric service

Draft
Create report generation service

Draft
View Description

+ Add item

Iteration 1 6

Draft
Implement Authentication Service

Draft
View course by course ID

Draft
The system shall save all updates made to course content in the database.

Draft
Version History Service and /or database table

Draft
Update existing quiz question content

Draft
Update course content - Text or Media

+ Add item

In Progress 0
This is actively being worked on

+ Add item

Done 0
This has been completed

+ Add item

Feedback

Mentor: The Mentor gave constructive feedback about how to create a proper Architecture model and how we could refine our Use Cases. The mentor also gave use prompt feedback to any questions we had and helped look over each and every design file.

Client: Unable to collect client feedback as they are out of office currently, pending a return meeting with them currently

Conclusion

When you thought it was Friday but it's only Thursday