



Learning Tomorrow

LESSON INFOGRAPHICS

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ACCESSIBILITY

Colour Contrast Mode.

1. As a color-blind student, I want to be able to change the color contrast settings of the application from 5 different filters, such as Protanope, Tritanope etc. so that I can better distinguish different parts of course notes and content.

Font Size Change and Zoom in/Out.

2. As a student, I am on the computer for a large portion of the day, where I often have to read off screens with small text (and other elements), and I end up getting a large headache and feeling very tired by the evening. So, I would like a website/application that I could use for school that wouldn't cause so much eye strain and be a little easier on the eyes.

Font Type Change.

3. As a person with partial vision loss, I would like to be able to change font size so that it is easier for me to read written notes.

RUNNING DEMO!!!!

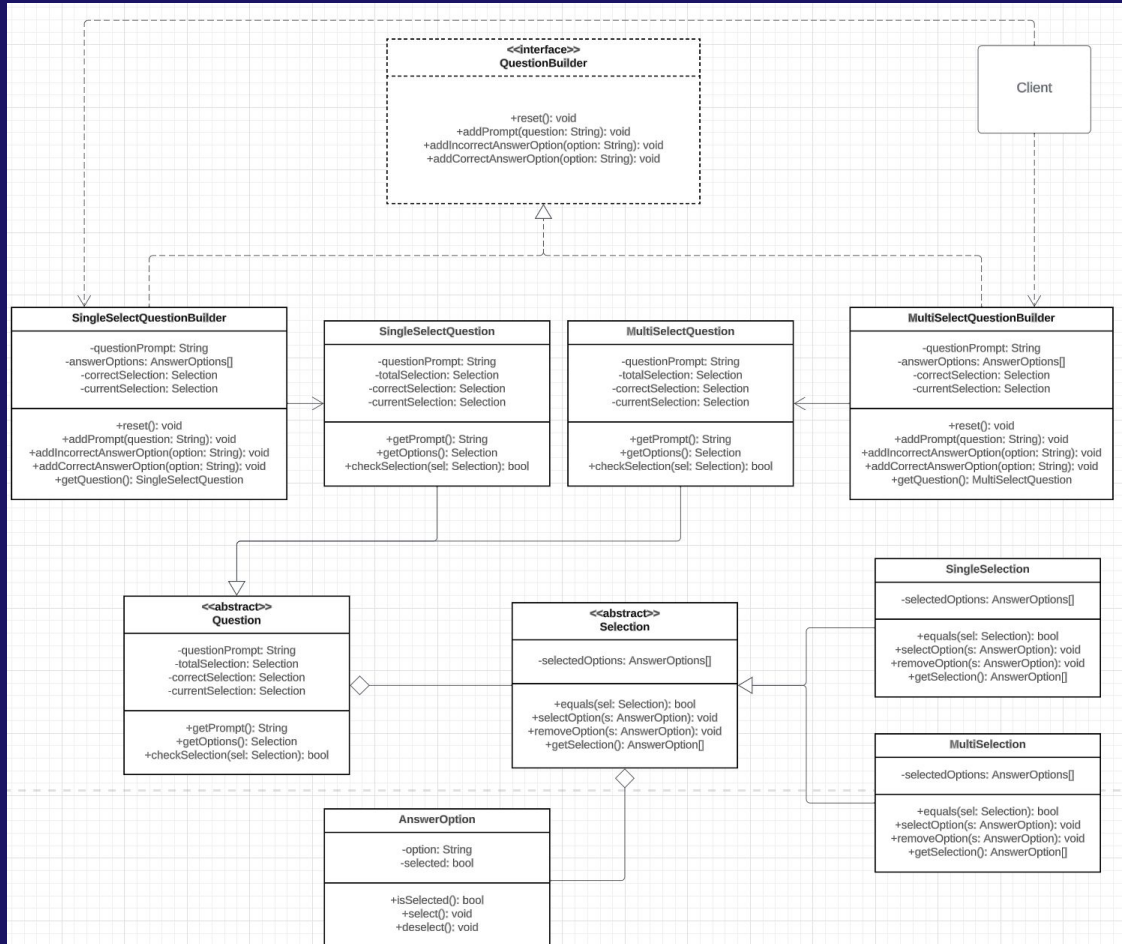
FIRST LET'S EXHIBIT A RUNNING DEMO OF LEARNING TOMORROW.



Learning Tomorrow

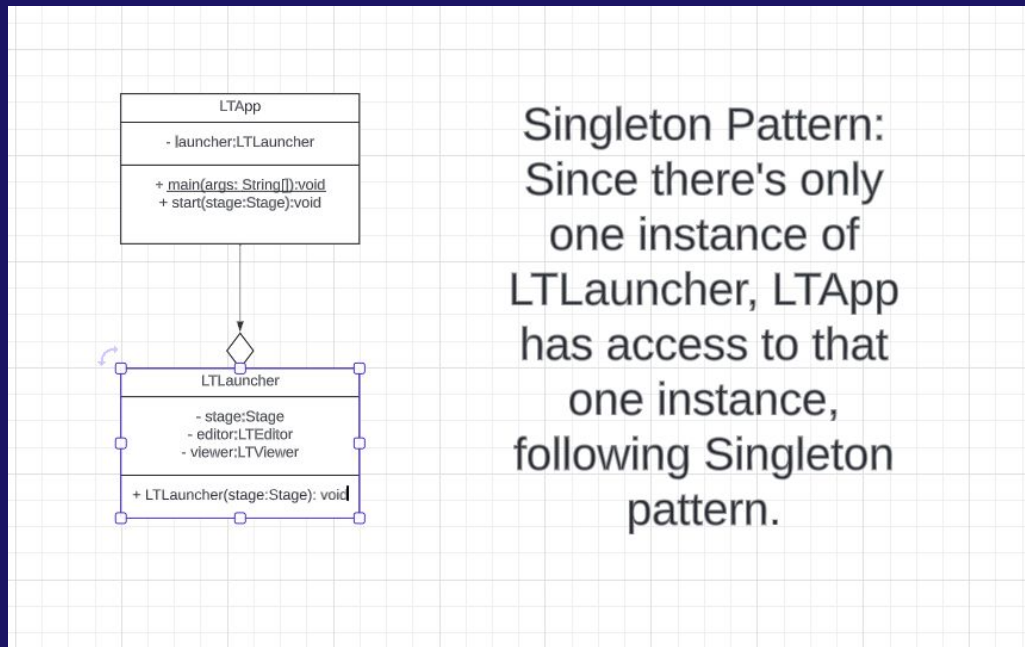
THE FUTURE OF LEARNING

BUILDER PATTERN

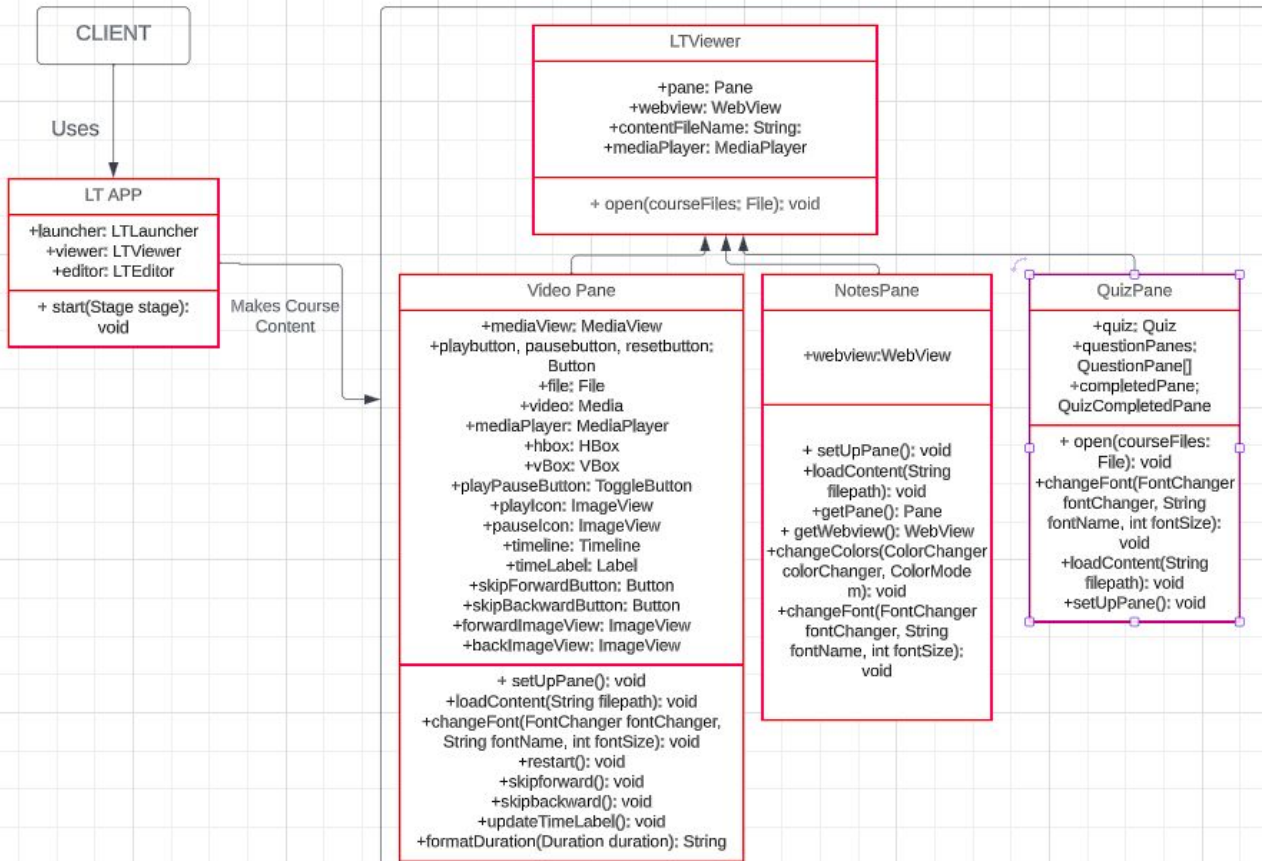


SINGLETON PATTERN

- Singleton Pattern is useful for restricting the instantiation of an object.
- For example, if there was an application with a database but only wanted one way to access that database, singleton pattern would be effective in doing so.



FACTORY PATTERN



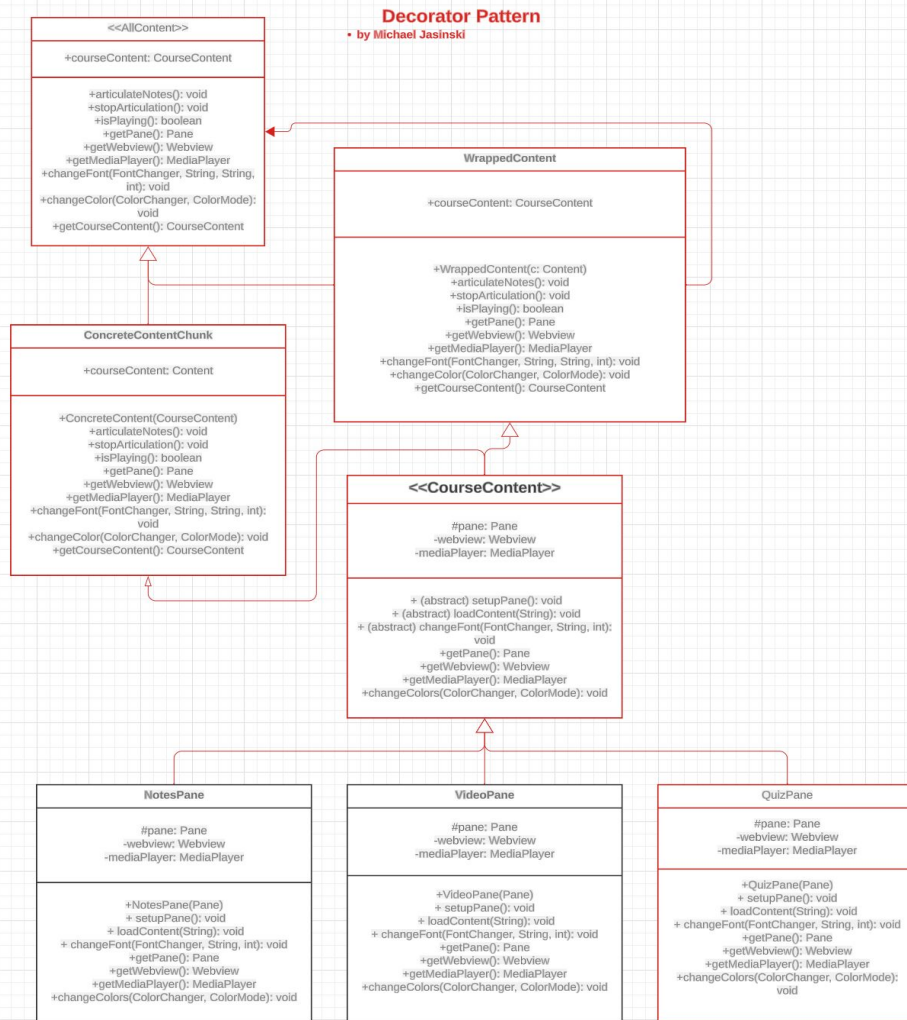
The Decorator Pattern

This pattern is used to implement additional audio features for the files!

Notes Content are able to be wrapped if they have an audiofile associated with them. Then, when the pane is displayed, their audio will play.

If the audiofile does not exist for the given file, then there will be nothing played.

This fulfills the “voiceOver” user story.



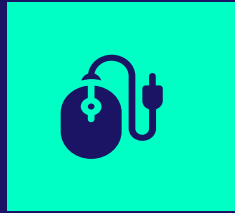
Team Project Hurdles

CODE REDUNDANT USER STORIES



After project implementation some user stories were changed to account for redundant code.

MERGE CONFLICTS



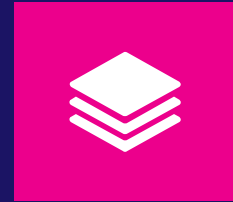
Merge conflicts were constantly present as everyone was constantly pulling and pushing.

NOT USER ACCESSIBLE USER STORIES



Certain User Stories proved to be challenging to be useful to the user, requiring modification or complete alteration.

CODE INTEGRATION CHALLENGES



The challenge includes managing dependencies, resolving merge conflicts, and maintaining code quality throughout the integration process.

Thank You for Listening!

