CSE 110 Group 9 Private Video

import pandas

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Repo Tour

Demo time!

CI/CD pipeline demo / steps walkthrough

1. Create a new branch
2. Make a change in that branch
3. Commit and push
4. Pipeline will
    a. Lint
    b. Test (Not too many tests)
    c. Build for 3 platforms (Windows, Mac, Linux)
    d. Generate documentation when pushed to master
5. Create pull request when ready
6. Wait for teammate approval and merge

Demo time!

Application Architecture

- We used Electron.js for packaging, deployment, and integration.
- Our program is a desktop app that runs its own fake server by hosting a Node.js environment inside a desktop window.
- Unlike the “local client - remote server” model used by browsers/websites, the back-end of our app interfaces with the application’s directory on the user’s disk.
- We have separated concerns and encapsulated data throughout our systems.
    - In the back end: by defining a module that concisely performs our needed filesystem operations.
    - In the front-end: by using web components.
- We have preserved the secure isolation of execution contexts by providing a transmission protocol that allows front-end scripts that live in the DOM to make a specific set of requests to the Node.js environment, which is permitted to make filesystem calls.

Agile Practices

- Weekly briefs & post-meeting debriefs by the project leads to make sure everyone was on the same page
- Conducted Daily Standups on slack
- Held weekly meetings to talk about next steps for the development of our project.
- Iterative Development (SCRUM)
- Use professional tools (GitHub projects and issues to stay organized and have a single source of information)

Challenges and Victories Faced as a team

Challenges:

- Communication between subgroups
- Assignment of tasks to be completed

Victories:

- Achieved most of our deadlines
- Reflected and adapted according to Sprint Retrospectives
- Finish building our app that met all the goals we identified in the beginning

Features we should have/wanted to do

- Kitchen timer on recipe view
- Advanced search & filter by tag, ingredients, etc.
- Encoding images in JSON so that import/export works out of the box with images
- Global edit mode
  - select multiple recipes and delete
  - favourite
  - export in a separate mode
- Get recipes from online sources like spoonacular
- Better testing of application using End-to-End testing