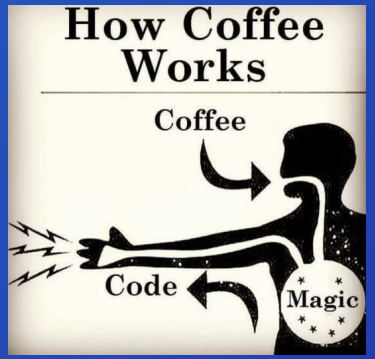
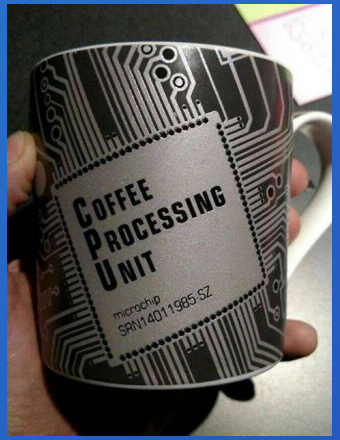


Caffeinated Coders



Megan Chu, Miranda Go, Wei Liu,
Divyank Rahoria, Ruixian Song

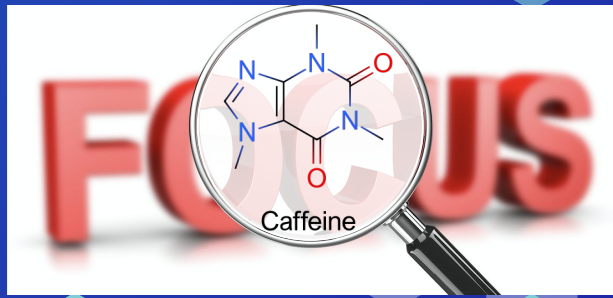
Caffeinated Coders Team Formation

- Caffeinated Coders Team Formation
  - Leading/Organizing: Miranda
  - CI Pipeline: Miranda
  - Wireframing: Wei + Divyank
  - Testing: Megan + Miranda
  - Storage: Ruixian + Divyank
  - Documentation: Miranda + Megan
  - Frontend: Everyone!

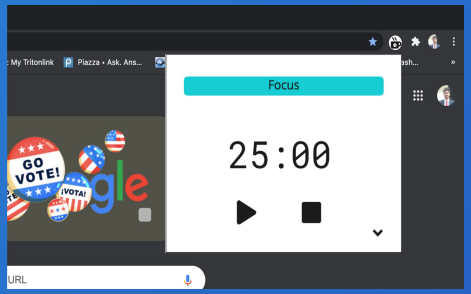
Project

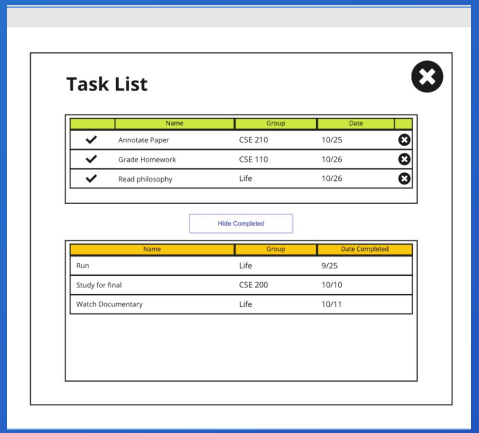
- Problem
  - project that the undergraduates students can complete
  - high quality and demonstrates the SE process
  - constrained, yet leaves some room for design decisions

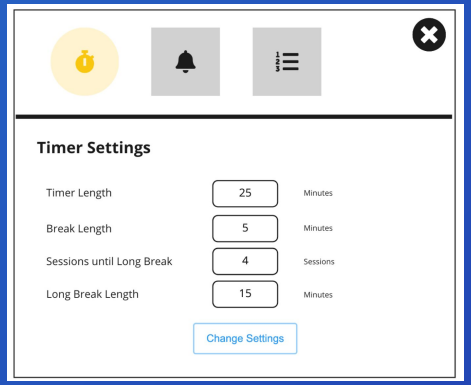
- Solution -Demonstrate the software engineering process by creating an example undergraduate Pomodoro Timer Chrome Extension



Focus with Caffeine!







- Name - Focus with Caffeine!
- Tools - Chrome ext
  - Status Hero, Github, Zenhub, Google docs, Miro, AdobeXD, Cypress, Mocha
- Design - driven by user stories!
- Wireframing - planned out everything except for color scheme/theme
- Later changes to design

Process

- Sprints
- Stand-ups
- Backlog
- Retrospectives

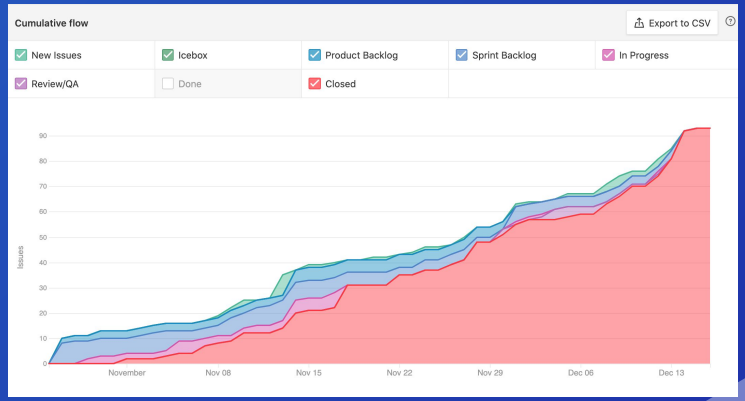
Sprints

Week 6: Use Cases, User Stories, Wireframes
Week 7: Complete Priority 1 and Front end for Priority 2
Week 8: Backend and Complete Priority 2
Week 9: Integration and Finalize documentations
Week 10: Polishing UI and Stretch Goals

Stand-ups & Backlogs

Virtual Async Stand-ups on Monday, Wednesday and Friday through Status Hero

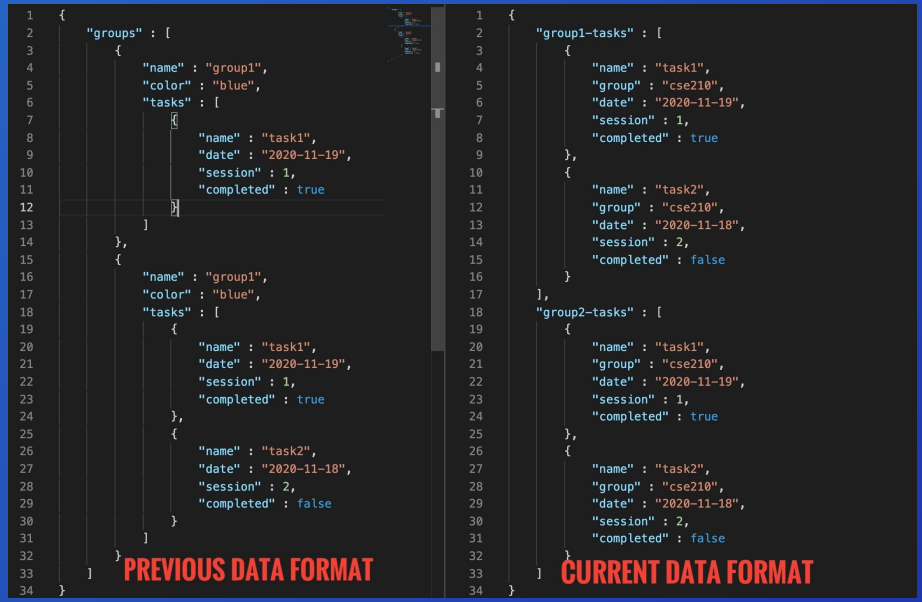
Keep track of the backlogs and manage tickets through Zenhub



Retrospectives

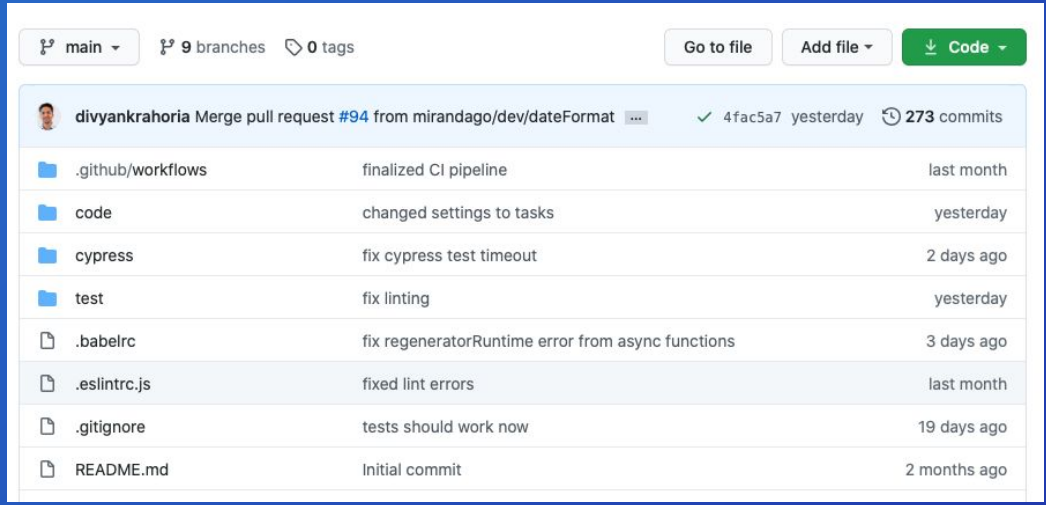
Testing Framework

Data Storage Format



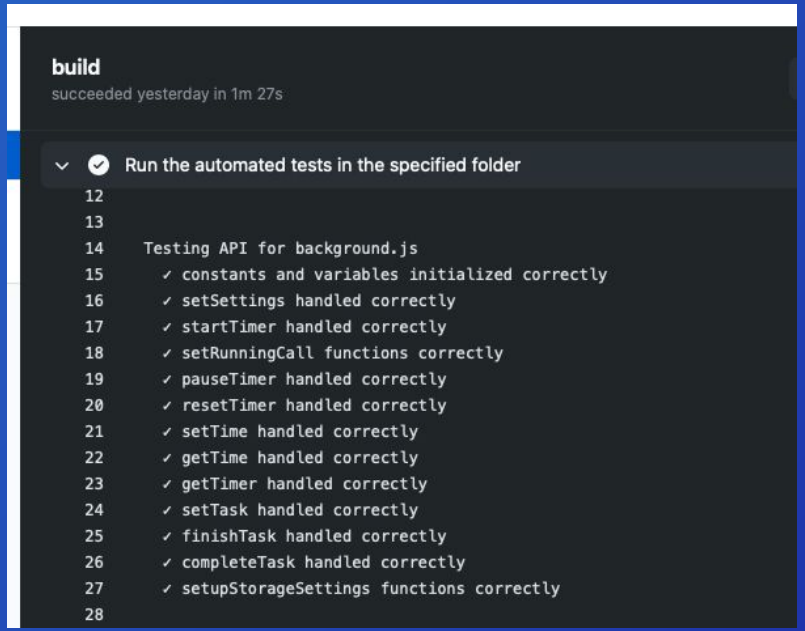
Repository and Code

- Folders
  - Code, Test, Cypress
- Branching
  - Main branch and Feature branches
- Rules
  - Pull request reviews
  - Checks: Linting and Testing
- Wiki page



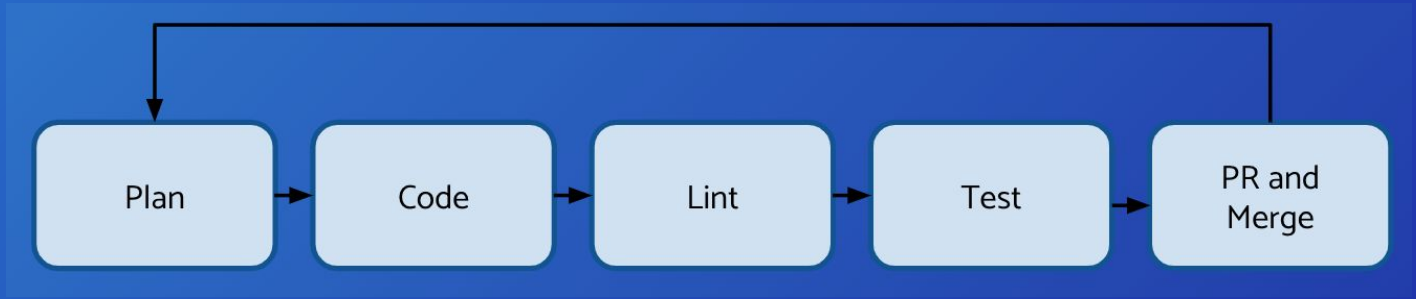
Testing

- Behavioral Driven Testing
- Mocha and Cypress
- Automatic tests
- Manuel testing



CI/CD Pipeline

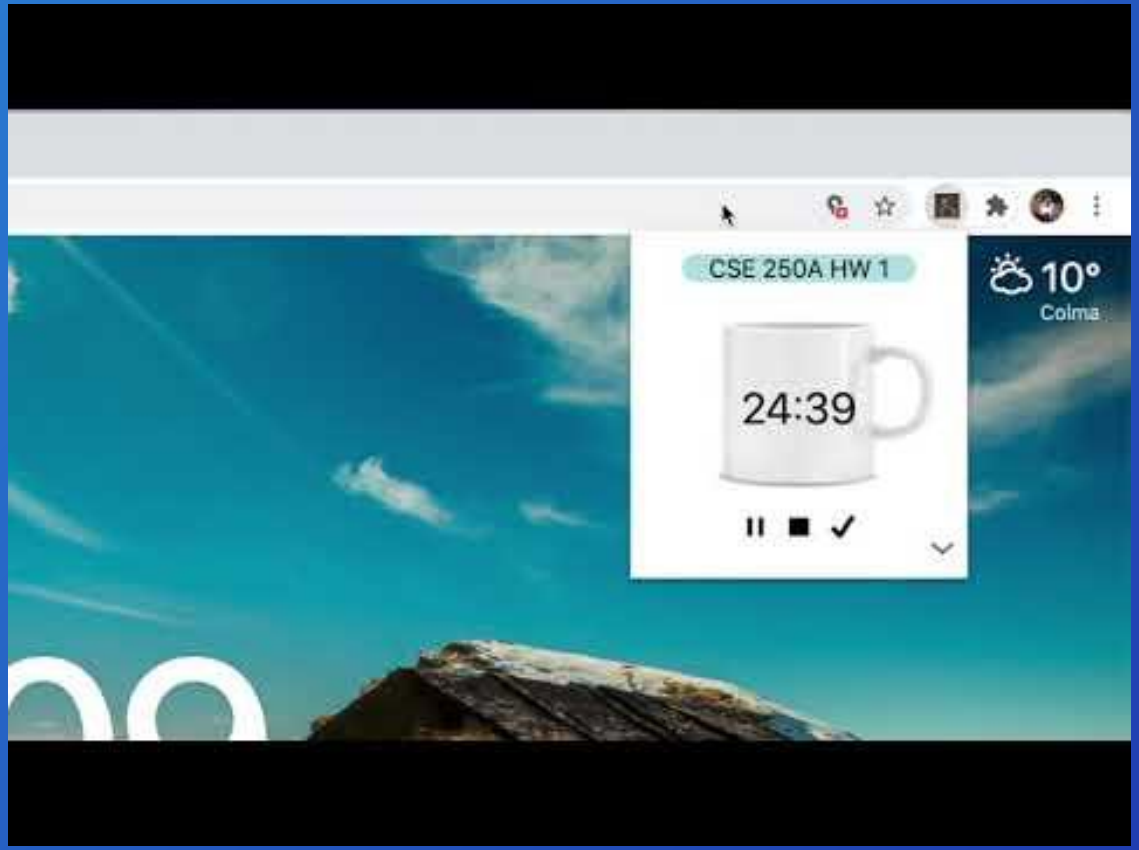
- Consistent and simple



Documentation

- API documentations
- Testing
- User Stories
- Wireframes
- Onboarding
- Meeting notes
- Internal Documentation

Focus with Caffeine - Demo!



Why Our App

- Web based development
- Simple
- Integrating application with other existing platforms
- Extendable

Time Machine

Positives	Negatives
Consistent Meetings	Start earlier on the project
Detailed product planning	Testing for chrome extension is difficult
No Hackathons!	Velocity Estimations

CSE 110 Adaption

What will be Provided	Expectations	Reusability/Customization
• User Stories • Simple hello world application • Tutorials • Example of completed project	• Basic timer with settings and live demo • Planning with estimation • Documentation and Design decisions • Testing framework	• Decisions to meet user requirements • User interactions • Data storage • Creative themes • Tools for testing, CI/CD and documentation

CSE 210 Readings

- CI/CD pipeline
- Software Testing
- Chrome DevTools

Questions?

Thank you!