

Team 06 – Fleetwood Stack

Emoji Converter

Isheta, Melvyn, Tej, Austin, Akshay, Jarred, Siri, Patryk, Adam, Tongke, Alex, Lei, Junjie

Tech Stack

- **Web Tech**
 - HTML
 - CSS
 - JavaScript
- **Back end**
 - Python
 - Flask
 - Unicode Common Locale Data Repository (CLDR) Dataset
- **Exploratory**
 - OpenAI API

Best Practices

- **Incremental Development**
 - **Design**
 - **Development**
 - **Integration**
 - **Demo**
- **Clear Assigned Roles**
- **Version Control on GitHub**
 - **Branches**
 - **Pull Requests**
 - **Commit Regularly**
 - **Attempted Code Reviews before Merge**

Collaboration

- **Slack**
 - Online and in-person meetings after class
 - Regular check-ins to keep everyone on track
 - Well documented meeting notes
- **Smaller Meetings in Teams**
 - Brainstorm
 - Easier to set up a time
 - Paired/Group programming sessions to resolve code conflicts/work together

CI/CD

- **Run on every Push**
 - HTMLint for HTML
 - Stylelint for CSS
 - ESLint for JavaScript
- **GitHub Action to grab latest CLDR dataset**
- **GitHub Pages for Continuous Deployment**
 - Did not end up implementing (Flask)

Learnings

- **Learned more about each other and team dynamics**
 - Individual Strengths
- **Leaders on smaller teams**
 - Bring everyone together
- **Implement a Code Review system**
 - Some test cases were not realistic of what the backend team could do
 - Realistic test cases with realistic output
- **Enforce stand up**
- **Encourage Participation**

Challenges

- **Difficulty Scheduling**
 - Common Meeting Time
- **Communication**
 - Not checking Slack
- **Requirements and Limitations**
 - Only Web Tech
- **Project Time**
 - < 1 Week Project
- **Time to Set Up CI/CD and Test Cases**