

Team 06 – Ultron's Debuggers

Emoji Converter

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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