

# 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**