

Word Salad Flashcard Project

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Outline

- Overview
- Tools
- Challenges
- Demo
- Questions

Project Overview



- Flashcards
- Web-based
- Dynamic
- Spaced study

Tools

- Management
- Development
- Testing
- Production

Tools: Management

- GitHub
- GitHub Projects
- Google Chat
- Zoom

GitHub

- Pros

- ◇ Standard
- ◇ Branching and merging

- Cons

- ◇ Steep learning curve

GitHub Projects

- Pros
 - ◇ Visual
 - ◇ Integrate with GitHub
- Cons
 - ◇ Manual issue management

Google Chat

- Pros
 - ◇ Easy to collaborate
 - ◇ Low-barrier to communicate
- Cons
 - ◇ Hard to track multiple topics

Tools: Development

- Python
- Flask
- SQLite
- JavaScript

Python

- Pros

- ◇ Intuitive
- ◇ Descriptive

- Cons

- ◇ Hides process
- ◇ Less control

Flask

■ Pros

- ◇ Flexibility
- ◇ Documentation

■ Cons

- ◇ Smaller
community
- ◇ Scalability

SQLite

- Pros

- ◇ Lightweight
- ◇ Familiarity

- Cons

- ◇ Memory-based
- ◇ Scalability

JavaScript

- Pros

- ◇ Dynamic
- ◇ Client-side

- Cons

- ◇ Asynchronous
- ◇ Browser support

Tools: Production

- Heroku
- PostgreSQL

Heroku

- Pros
 - ◇ Free
 - ◇ Documentation
- Cons
 - ◇ No SQLite
 - ◇ Debugging

PostgreSQL

■ Pros

- ◇ Acts as server
- ◇ Compatible with Heroku

■ Cons

- ◇ Installation
- ◇ Integration

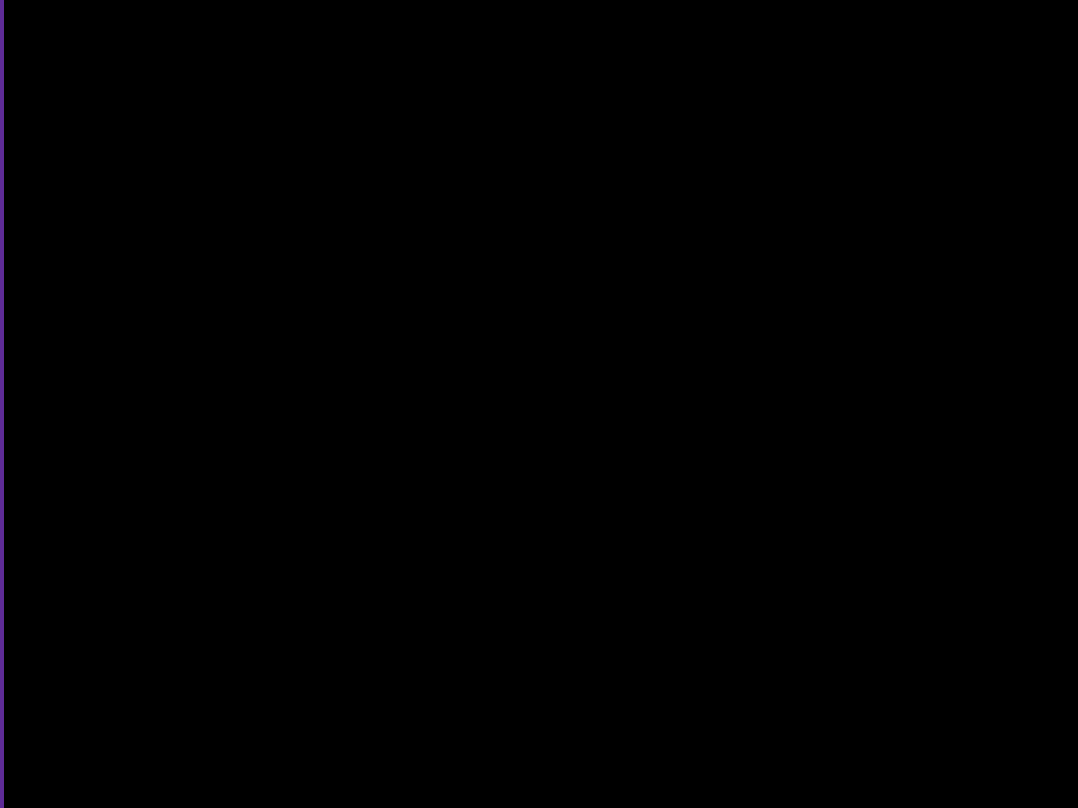
Challenges

- Communication
- Process
- Languages
- Tools

Solutions

- Proactive
- Flexibility
- Research
- Sharing
- Emojis

Demo



Questions?

