The Joke Generator

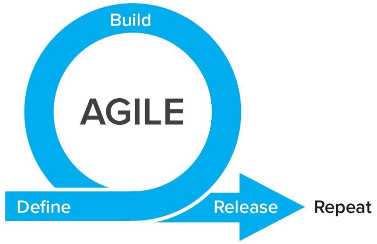
AJ Juenemann, Aneesh Kaushik, Faez Alanazi, Lindsey Trussell,
Solus Thompson, Travis Johnson

Description

- An application that generates jokes based off of user input.
- Uses several different APIs to provide a wide range of jokes.
- Filters allow users to customize which jokes are generated by changing the API used.
- Uses a database to maintain a profile, on which jokes can be saved to be viewed later.
- Profile consists of a username, encrypted password, and avatar, all of which can be edited.

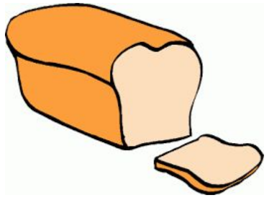
Tools (rating out of 5 stars)

- **Project Tracker:** GitHub Project Board (★★★★)
- **VCS Repository:** GitHub (★★★★★)
- **Database:** PostgreSQL (★★★★★)
- **IDE:** VS Code (★★★★★)
- **UI Tools:** Google Drawing (for Wireframes), HTML, EJS (★★★★★)
- **Application Server:** NodeJS (★★★★★)
- **Deployment Environment:** LocalHost and Class Environment (★★★★)
- **Container Control:** Docker (★★★★★)
- **Management Methodology:** Agile (★★★★)
- **Testing Tool:** Chai, Mocha (★★★★)

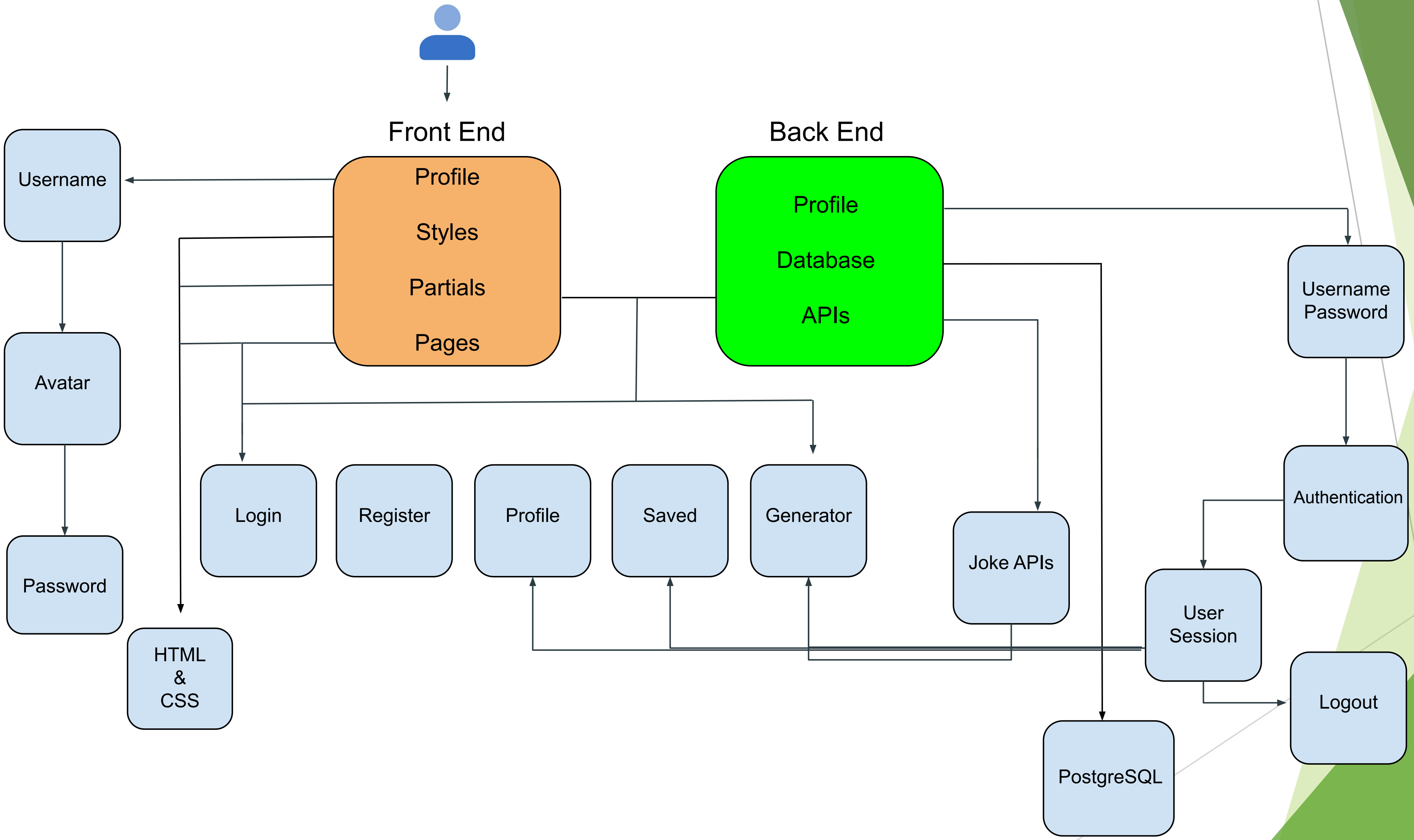


Tools Cont.

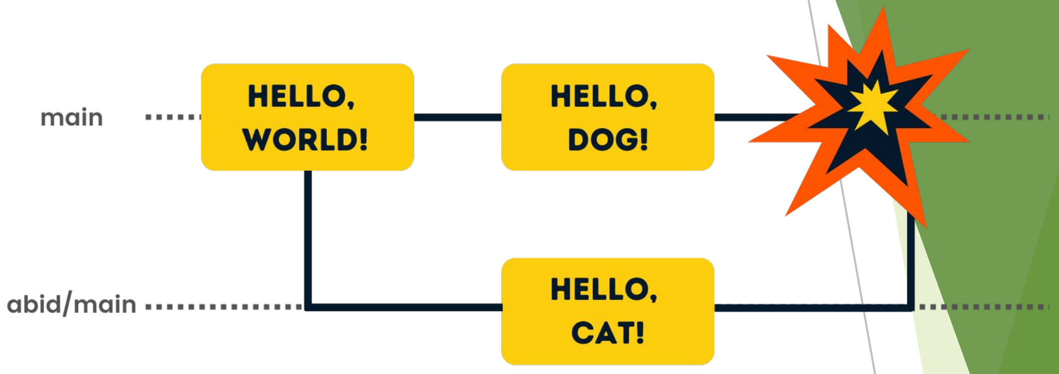
- **External APIs:**
  - icanhazdadjoke (★★★★)
  - YOMOMMA API (★★★★)
  - Blauge.xyz (★★)
  - Geek Joke API (★★★★)
  - Bread Puns API (★★★)



Architecture Diagram



Challenges



- Non-Technical Challenges
  - Assigning the tasks on the Project board.
  - Splitting the work.
  - Communication.
  - Figuring out common times to meet.
  - Taking over and continuing code by someone else.
- Technical Challenges:
  - Navigating and getting used to branch commits/pull requests.
  - Using different external APIs and trying to display them in the same format.
  - Saving jokes for each account/No repeatable saved joke.
  - Changing aspects of an account using the current password.

Live Demo