

Wordle Portle

Hard Inting Ducks: Yoonah Chang, Josephine Lee, Eric Guo, Rayat Roy

SoftDev pd2

P02 -- Wordle Portle Design Document

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Time Spent: 1.5 hours

Target “ship date”: 3/23/22

Project Description: Our lord and savior GlADOS has given us our newest puzzle. Due to [REDACTED] Corporation not releasing a new entry into the series, GlADOS has made a new puzzle without them knowing. This is the Wordle Portle, a project designed to test human intelligence through logical deductive reasoning and puzzles. Do not disappoint.

- Wordle gives players six chances to guess a randomly selected five-letter word. As shown above, if you have the right letter in the right spot, it shows up green. A correct letter in the wrong spot shows up yellow. A letter that isn't in the word in *any* spot shows up gray.

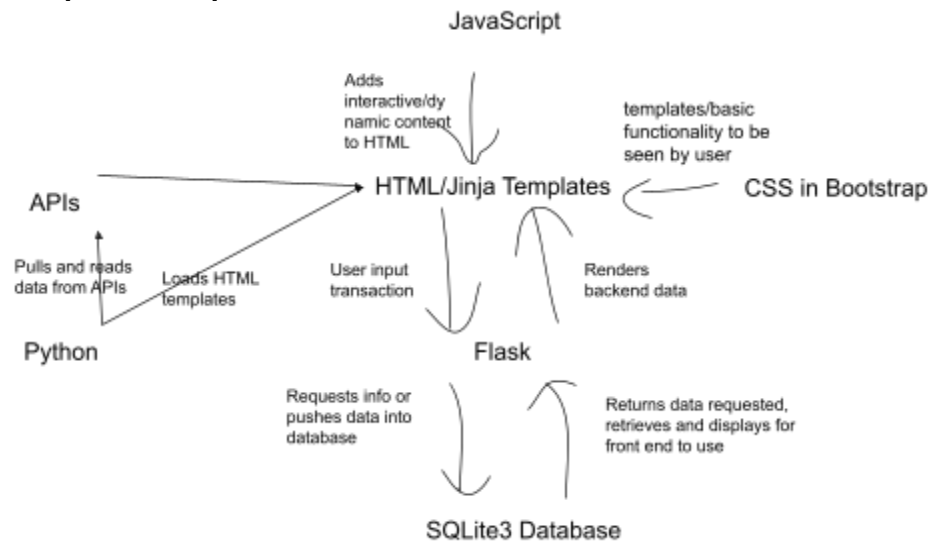
Program Components:

1. Python files - handles databases and checking guesses
2. HTML/Jinja templates - rendering pages
3. SQLite database - storing usernames and passwords, user statistics (streaks)
4. JS files for animation - entering a guess, celebration after guessing the correct word

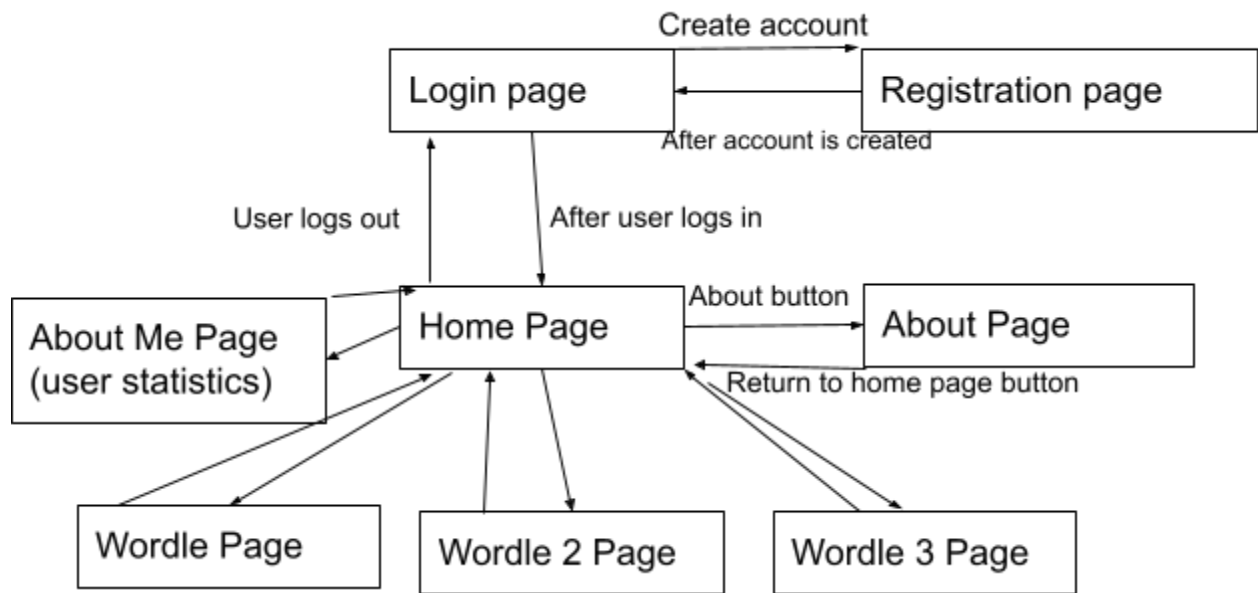
Templates:

login.html - login page
register.html - register page
about.html - game description
home.html - Home page after login
wordle.html - original Wordle game
nerdle.html - nerdle game (math game)
yordle.html - league game (guessing League of Legends champions)

Component Map:



Site Map (frontend):



Database Organization:

Table of Users and Passwords with statistics:

User	Password	Number of puzzles solved
<user1>	<password1>	<puzzle_count1>
<user2>	<password2>	<puzzle_count2>
...

APIs:

WordsAPI to verify if guesses are valid words:

https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_WordsAPI.md

Breakdown of tasks:

Yoonah - PM; Frontend (JS)

Josephine - Frontend (HTML, CSS)

Eric - Backend (JS)

Rayat - Backend (Python file; database handling)

Wordles:

1. Wordle: words with 5 letters; 6 guesses
2. Nerdle - equation composed of 8 characters; 6 guesses
3. Yordle (League) - user gets 8 guesses and gets feedback on:
 - a. Most common lane
 - b. Amount of skinz
 - c. Region (lore)
 - d. Type? (assassin, tank, mage)
 - e. Release Year

Front-end framework selection:

We'll be using Bootstrap for our front-end framework. We'll be taking advantage of Bootstrap's overall visually appealing styles of CSS/templates for the user to gaze at adoringly. We will also use Bootstrap's dropdown feature, navigation bar, and button components for the keyboards.