

The Breakbuddy™

Softlocked Ducks: Eric Guo, Michael Borczuk, Yoonah Chang, Josephine Lee

SoftDev

P01 -- Break Portal Design Document

2021-12-08

Time spent: 1.5 Hours

Target “ship date”: 01/05/2022

Project Description:

The Breakbuddy(TM) is designed to be used whenever someone is doing work. To prevent overworking or working continuously without a break, The Breakbuddy(TM) will alert the user after a certain amount of time working that they should take a break. After the user accepts the much needed break, The Breakbuddy(TM) will display images from Harvard Art Museums, along with jokes and fun facts on top of them to provide some slight entertainment for the user as well.

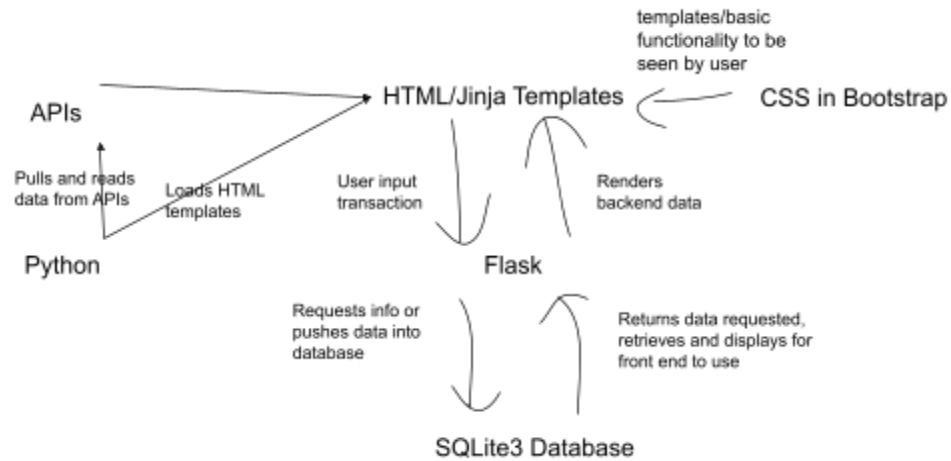
Program components:

1. Python File - manage Flask, API calls
2. HTML/Jinja templates - rendering pages
3. SQLite database - storing usernames and passwords, storing information from timers
4. APIs

Templates:

Login.html - login page
Register.html - register page
About.html - about the project
Home.html - Home page after login
Timer.html - The timer when user is working
Break.html - The break page

Component map:

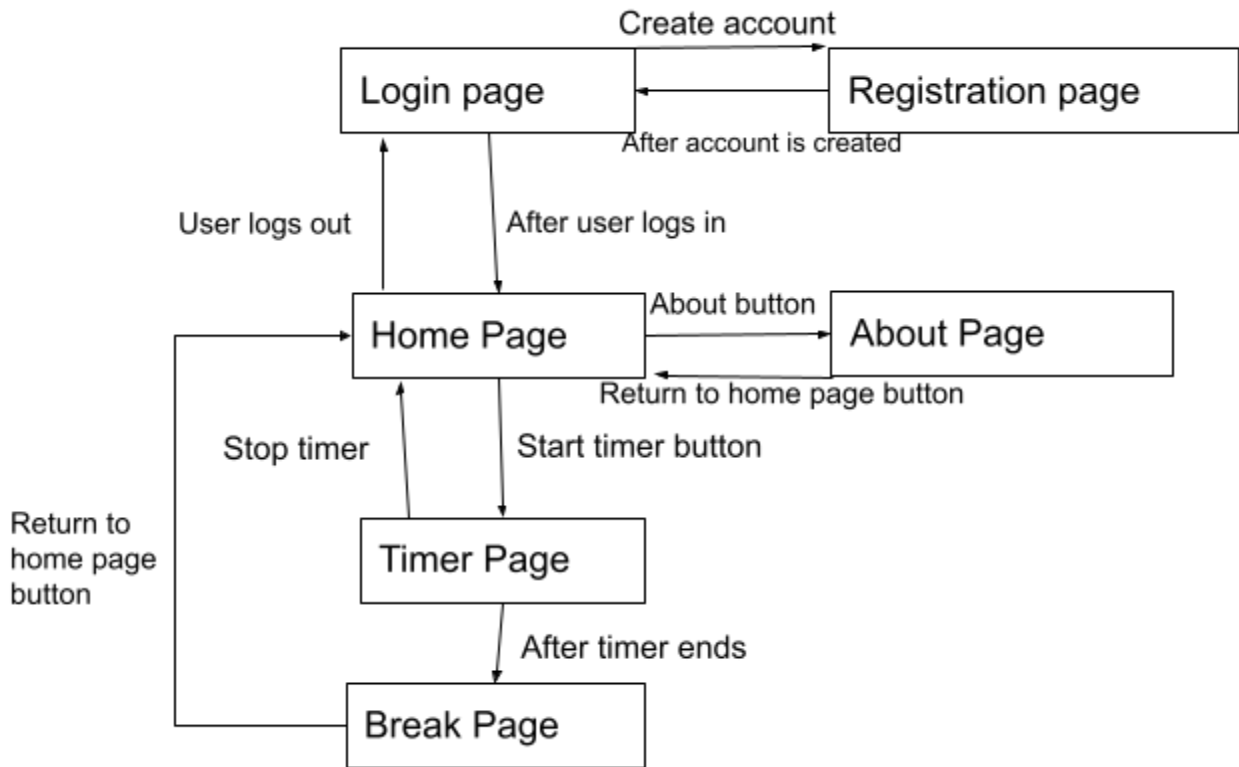


Database organization:

Table of Users and Passwords with Timer Organization:

User	Password	Current Timer	Current Break	Current Time
<user1>	<password1>	<currentTimer1>	<currentBreak1>	<currentTime1>
<user2>	<password2>	<currentTimer1>	<currentBreak2>	<currentTime2>
...

Site map (front-end):



Breakdown of tasks:

- **PM** - Eric: Front-end (Bootstrap, HTML)
- Yoonah: Front-end (Bootstrap, HTML)
- Michael: Back-end (Flask, API linking)
- Josephine: Backend (Flask, API linking)

APIs:

- Harvard Art Museums - Used for carousel of backgrounds for pretty pictures
- Fun Facts - Interesting facts to tell user
- Kanye West - "Inspiring" quotes to tell user

Front end framework selection:

We'll be using Bootstrap for our front-end framework. We'll be taking advantage of Bootstrap's flexible row-column grid system for our user's music selection, and their overall visually appealing styles of CSS/templates for the user to gaze at adoringly. We will also use Bootstrap's drop down menu, navigation bar, and button components to add parts of our different APIs. We used this Bootstrap template: <https://www.creative-tim.com/product/get-shit-done-kit>