

Smart Bake

Project Summary

Names: Smart Bake

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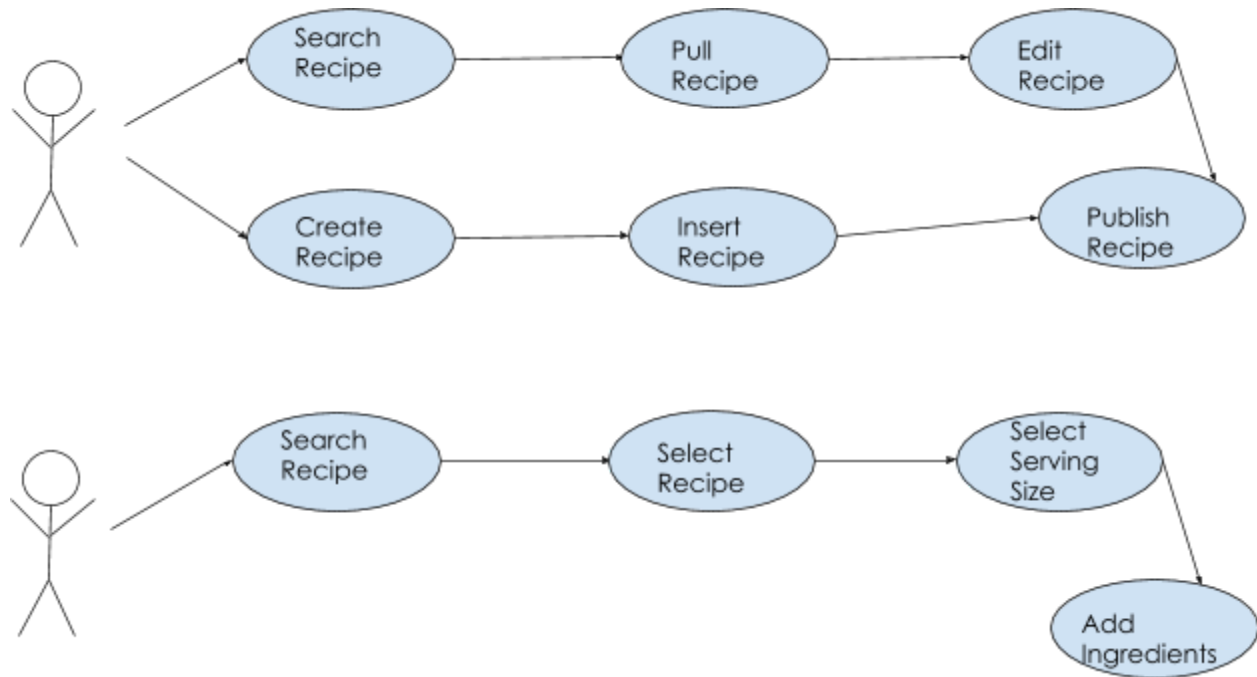
Overview: A platform that allows users to upload, modify, scale and create recipes. With Smart Bake, you can choose from several serving sizes easily as we treat each ingredient as an object with an associated portion per serving. Our system will automate the ingredient measurement process.

Project Requirements

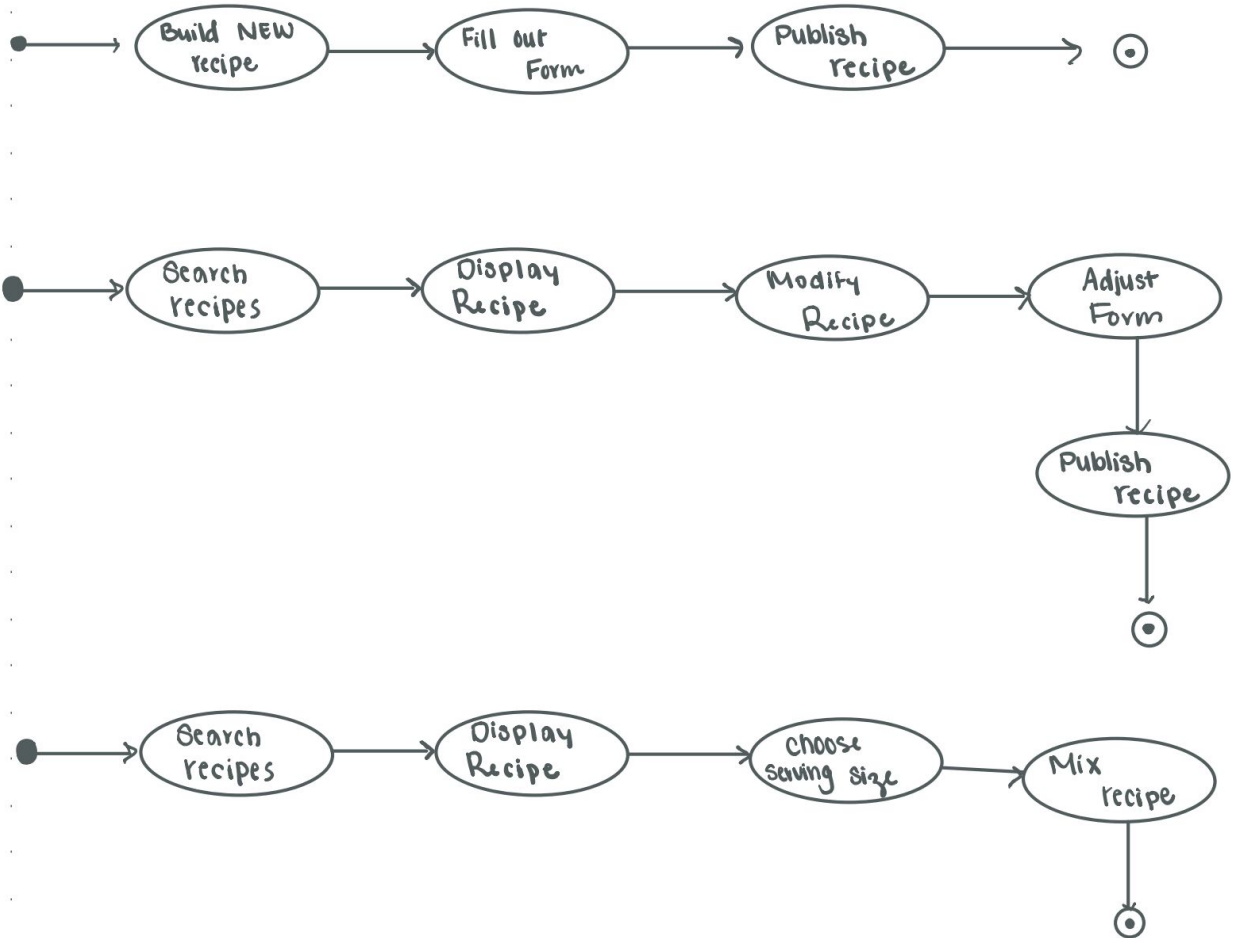
Requirements: This system requires a database of some recipes with their original serving size.

Responsibilities: Our system is responsible for retrieving the data and re-calculating ingredient weights based on the user configured serving size.

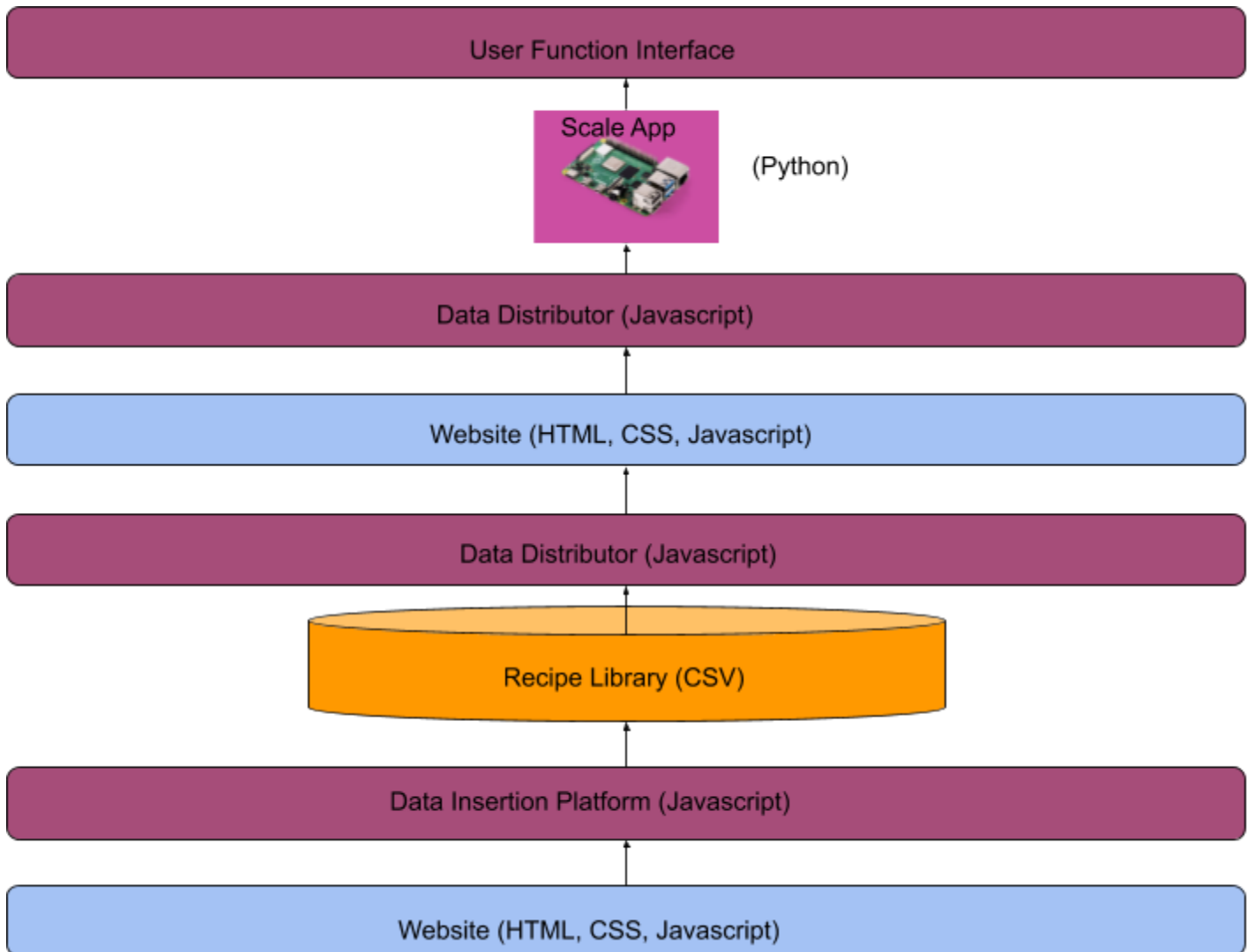
User & Tasks: Use Cases



Activity Diagram



Architecture Diagram:



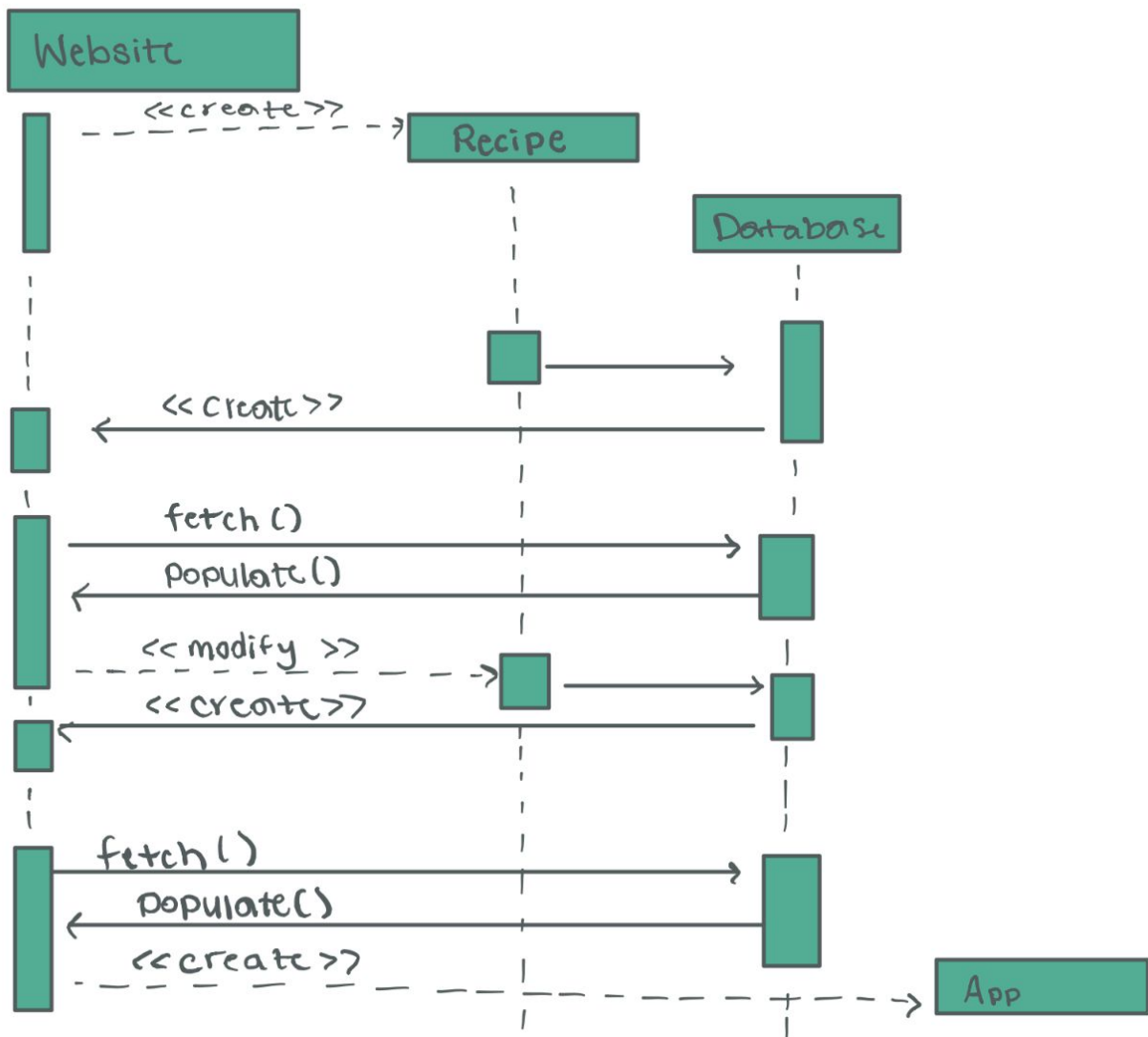
Data Storage:

We will use CSV files or MySQL to store the recipes with intended original serving sizes. The data will be stored in a server. We will read CSV files in java script for those mixing recipes and for those adding recipes, we make a class that creates the HTML page from the entered CSV.

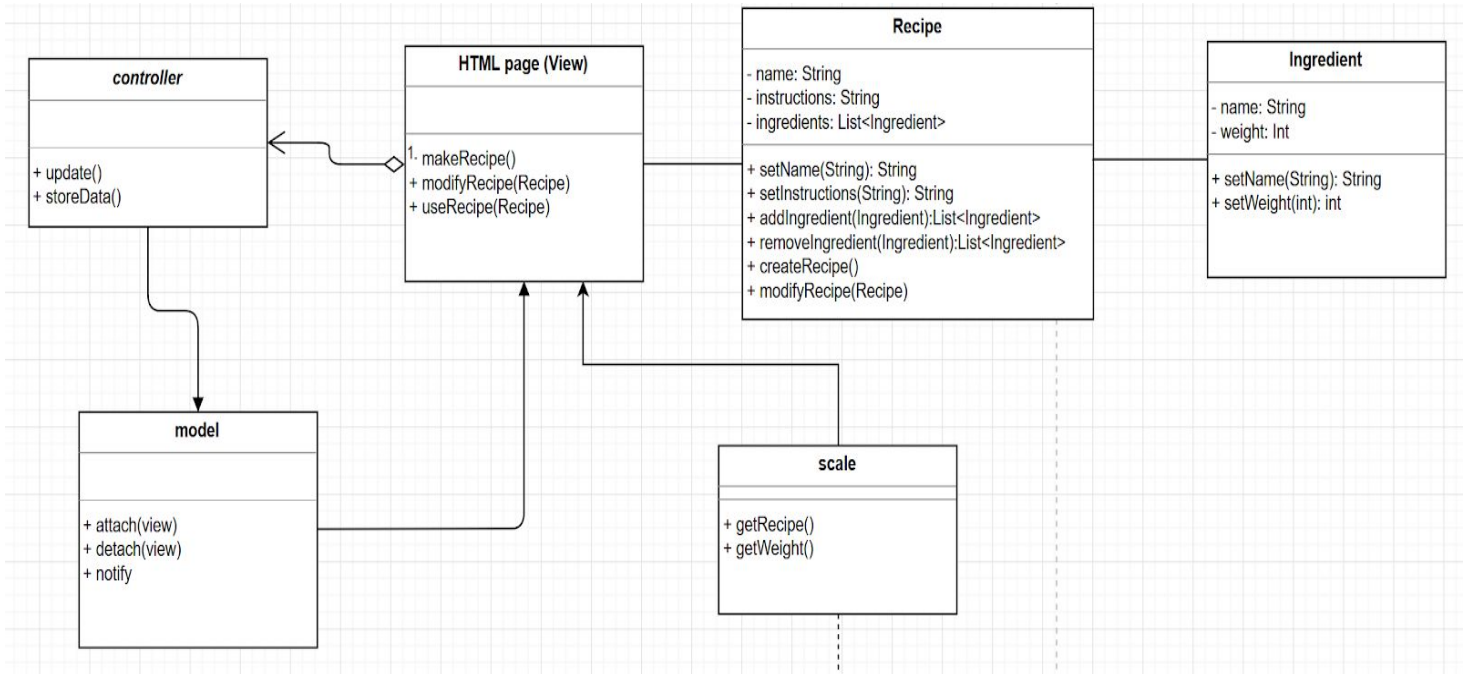
UI Mockup:

[UI Mockup](#)

User Interaction/ UML Sequence Diagrams



UML:



MVC pattern