

## P3 Team Pencil



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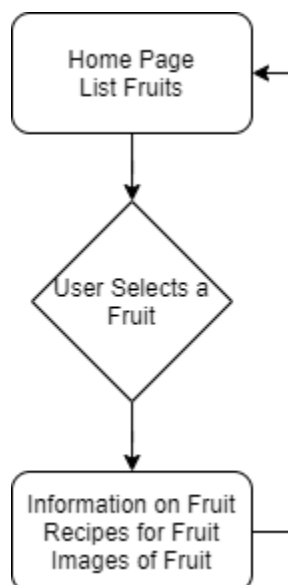
### Components:

- Flask
  - Will be used for serving our templates, parsing API data and routing.
- Templates
  - Will incorporate Bootstrap as our FEF and some Javascript to reveal some API data in an interesting way.
- APIs
  - APIs will be called to bring in data about fruits and recipes.
- Database
  - The SQLite database will store the lists user and passwords, recipes, and facts.

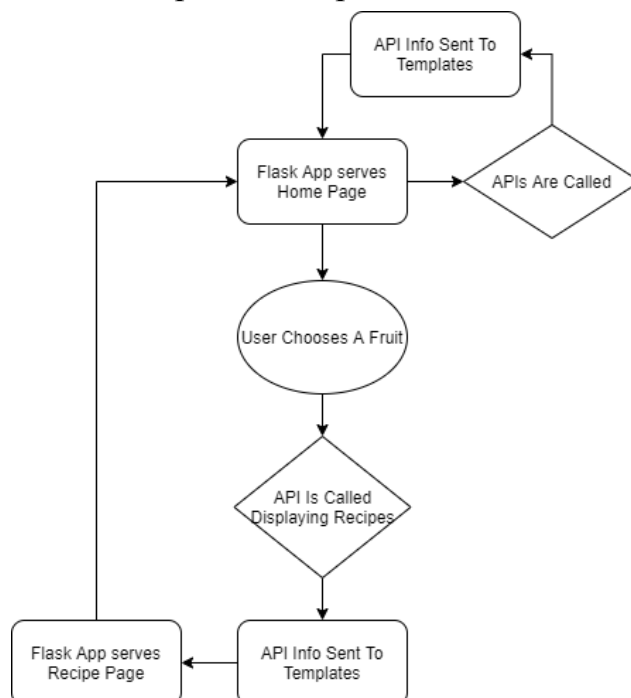
### Component Interactions:

- Flask serves our routes and hooks into our APIs. We will use the functions to pass data from our APIs to our templates.
- Within the templates, we will use Javascript to make reveal some of the data that is passed with mouse-hover and on-click properties.

### Sitemap:



### Component Map:



## Database Tables

Table 1: ID, username, and password

ID	username	password
0	baby	no
1	jake	1234
2	name	pass

Table 2: ID, recipe\_name, recipe\_url, recipe\_image\_url, and recipe\_ingredients

ID	recipe_name	recipe_url	recipe_image_url	recipe_ingredients
0	Banana shortcake	Https//...	Https//...	{banana, flour, ...}
1	...	...	...	...
2	...	...	...	...

## Tasks:

Frontend for Homepage and Fruit Pages - Ariel S.

Backend calling APIs/ Python - Ethan M.

Backend parsing and formatting API JSON - William W.

## Timeline:

- HTML and Jinja Templates: 4/23-24
- Python Backend Framework: 4/25-26
- Database and API Integration: 4/26-27
- Bootstrap/JavaScript/CSS: 4/27-4/28