

## **FOOD DIARY**

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TEAM NUMBER:21

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### **PROJECT GOAL AND OBJECTIVES:**

#### **MOTIVATION:**

we believe that best way to lose weight is simply to keep track of foods we take in. Without a proper diet and tracking we think we waste a lot of time and energy simply having unhealthy food and later stressing to reduce the consequences of it. So we would like to design an app that make calorie counting and food tracking easy so we could track the health and weight anywhere anytime. This would give you a brief description of what to and what not to until you attain your goal.

#### **UNIQUENESS:**

We focus on making sure that users can log their meals as quickly and as easily as possible. Our idea is, the easier we make it for users the more likely they are to stay on track and the more likely they are to succeed in their weight loss goals.

We will create a place where the user either want to increase the weight or to decrease the weight. We want to show them how many calories have been taken and show suggestions accordingly so that they can either increase or decrease the weight. We create a home page where users must set their goal and what they have taken in. The app searches for the calorie count automatically and we also provide a custom calorie count option where the user enters the calorie of unknown food. We also provide a feature where it takes input as ingredients and gives output as what food is best keeping goal in mind. It will automatically generate a book or diary of your daily events so that you can track your changes.

#### **OBJECTIVES:**

Loose or gain the weight in a healthy manner by keeping track of food we eat and activities we do and finding nutritional values for the food we take. Getting low calorie or high protein or high nutritional recipes with the ingredients left in our home.

#### **SYSTEM FEATURES:**

- Food tracker
- Calorie counter
- Food search
- Recipes for Left off ingredients
- Nutrition Pie chart
- Exercise search
- Goals and their progress

## SERVICES DESCRIPTION:

- **Recipe Search:** This API consists of over 1.5 million recipes with detailed nutrition for each recipe. Also, filters by calories, diets and allergens.

[https://api.edamam.com/search?app\\_id=\\${APP\\_ID}&app\\_key=\\${APP\\_KEY}](https://api.edamam.com/search?app_id=${APP_ID}&app_key=${APP_KEY})

- **Recipe Analysis :** This API analyses nutrition for entire recipes-recipe title, ingredient list and instructions included.

<https://api.edamam.com/api/nutrition-details>

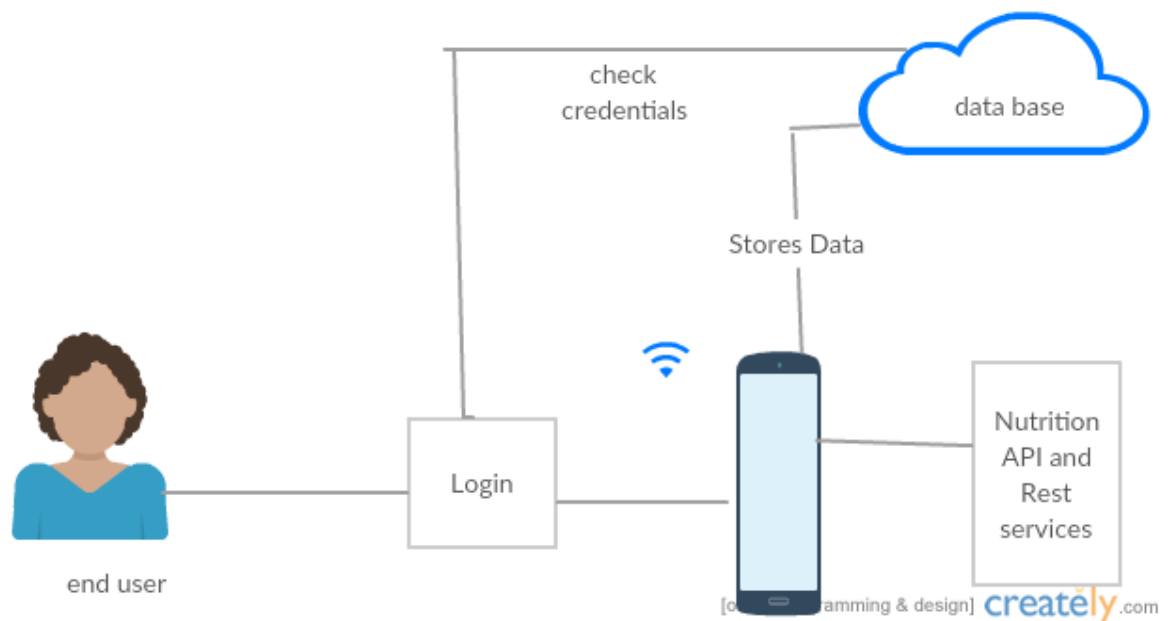
- **Food Database:** This API returns nutritional information for the specified ingredient.

<https://api.edamam.com/api/nutrition-data>

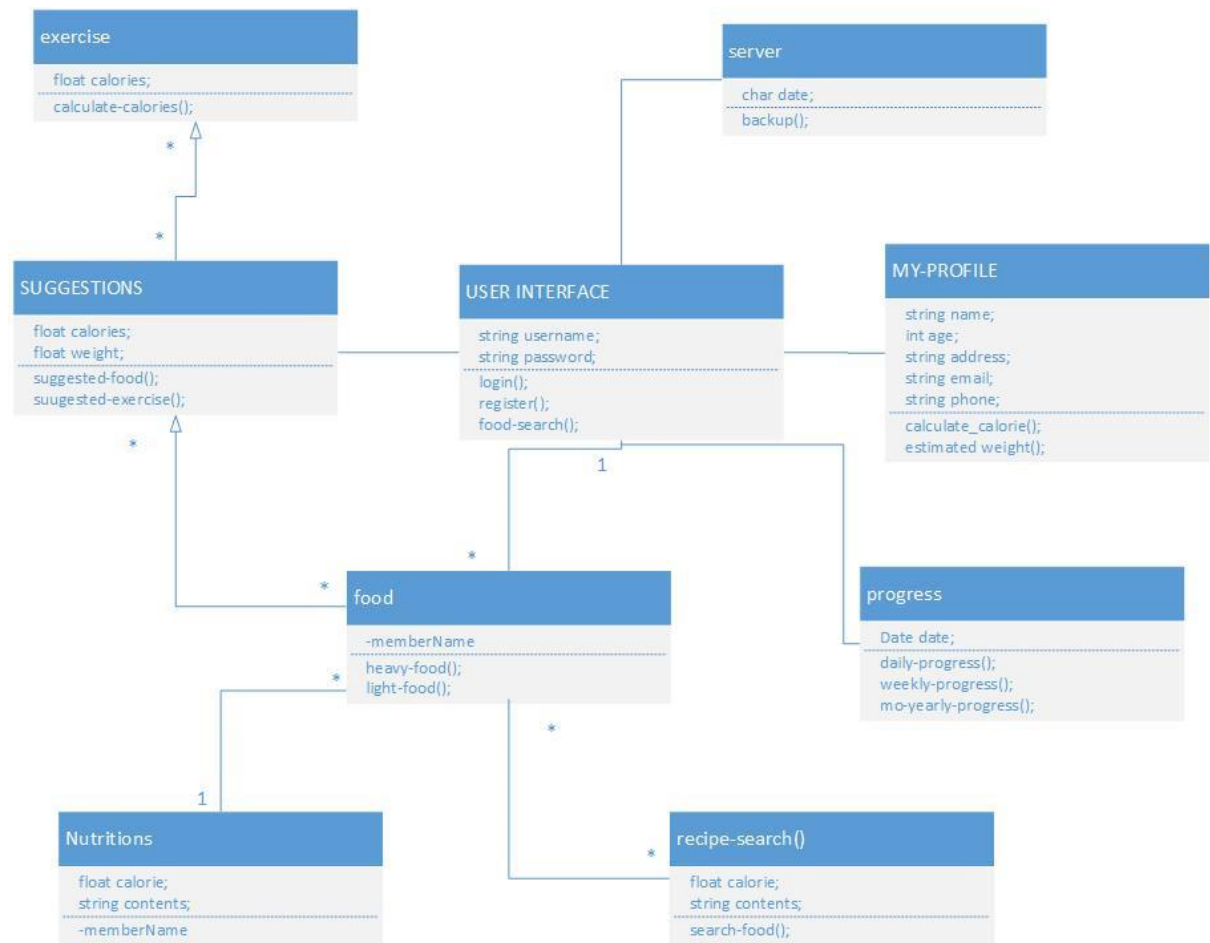
## GitHub URL:

[https://github.com/Tejaswini94/ASE\\_PROJECT/wiki/Increment-1](https://github.com/Tejaswini94/ASE_PROJECT/wiki/Increment-1)

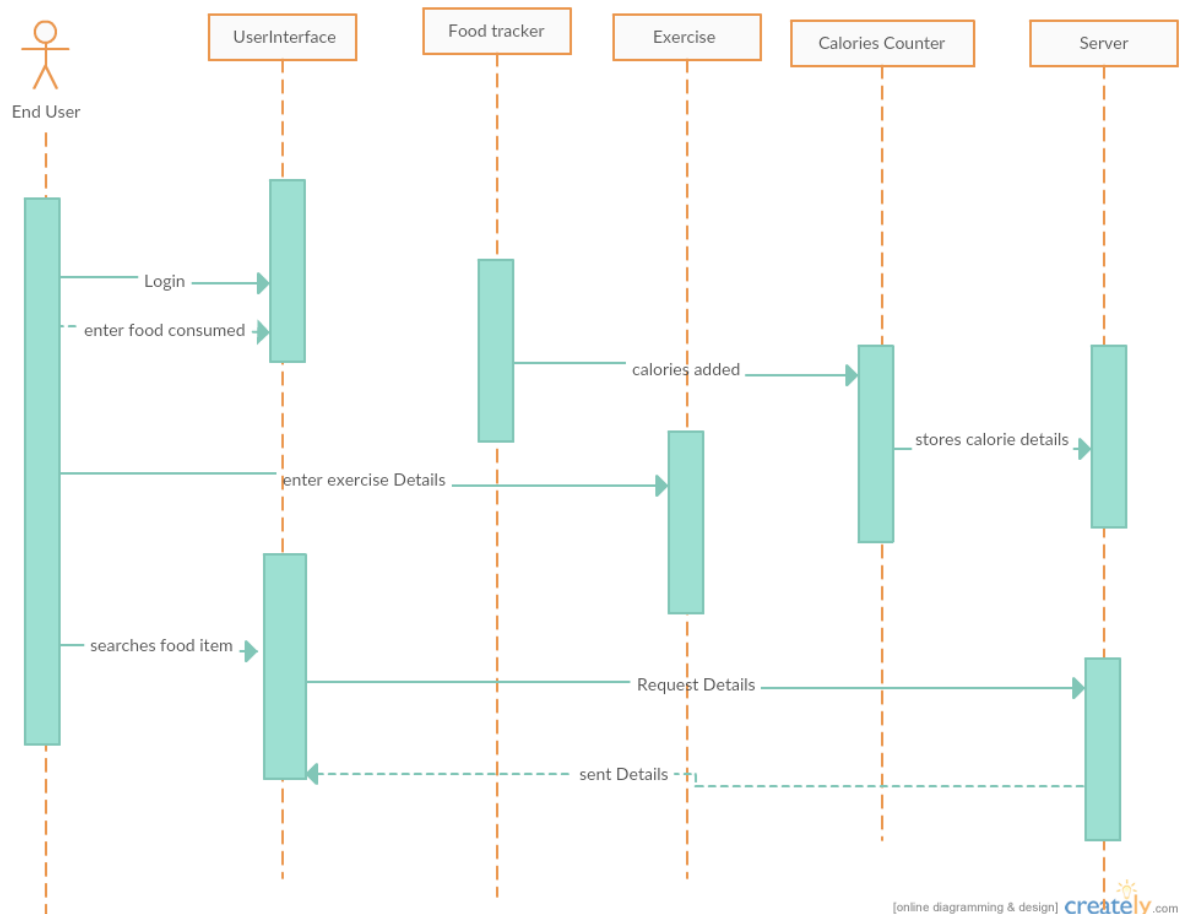
## Architecture Diagram:



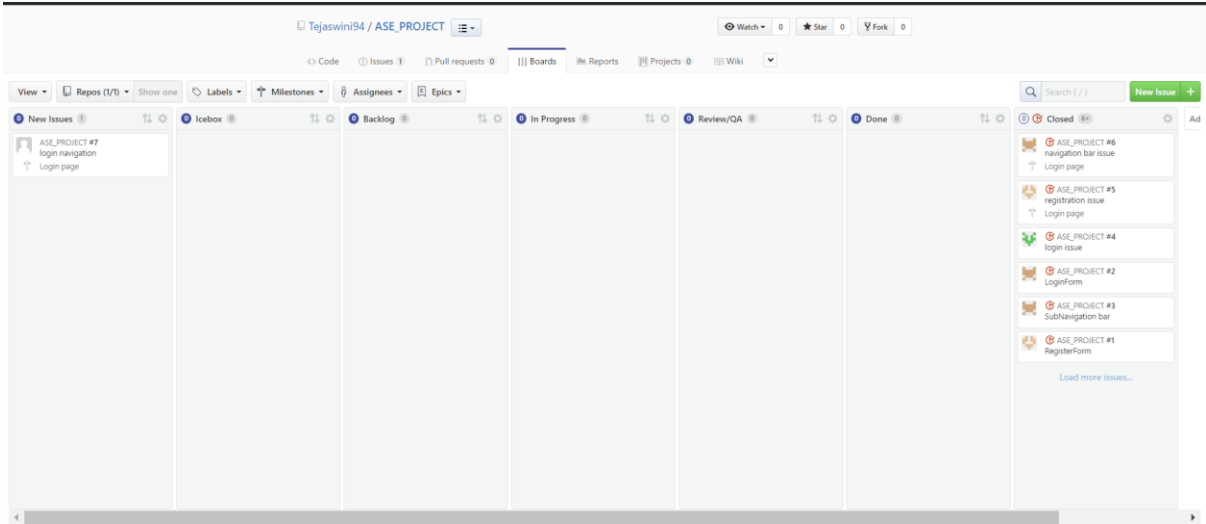
## Class Diagram:



## Sequence Daigram:

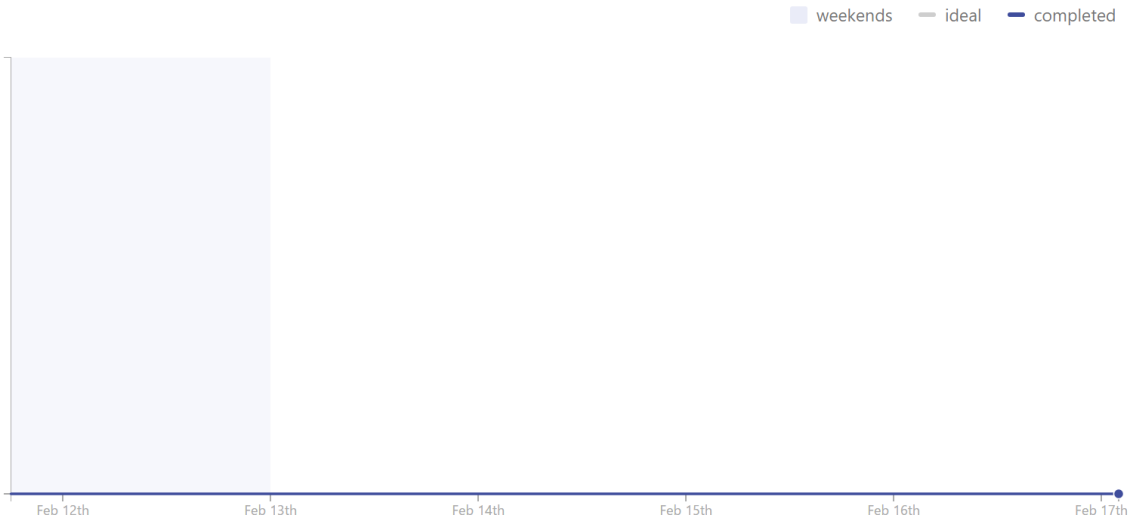


Issue Tool Bar:



Tasks are assigned to each of us and we made a regular update of the assigned task Also Milestone has been created.

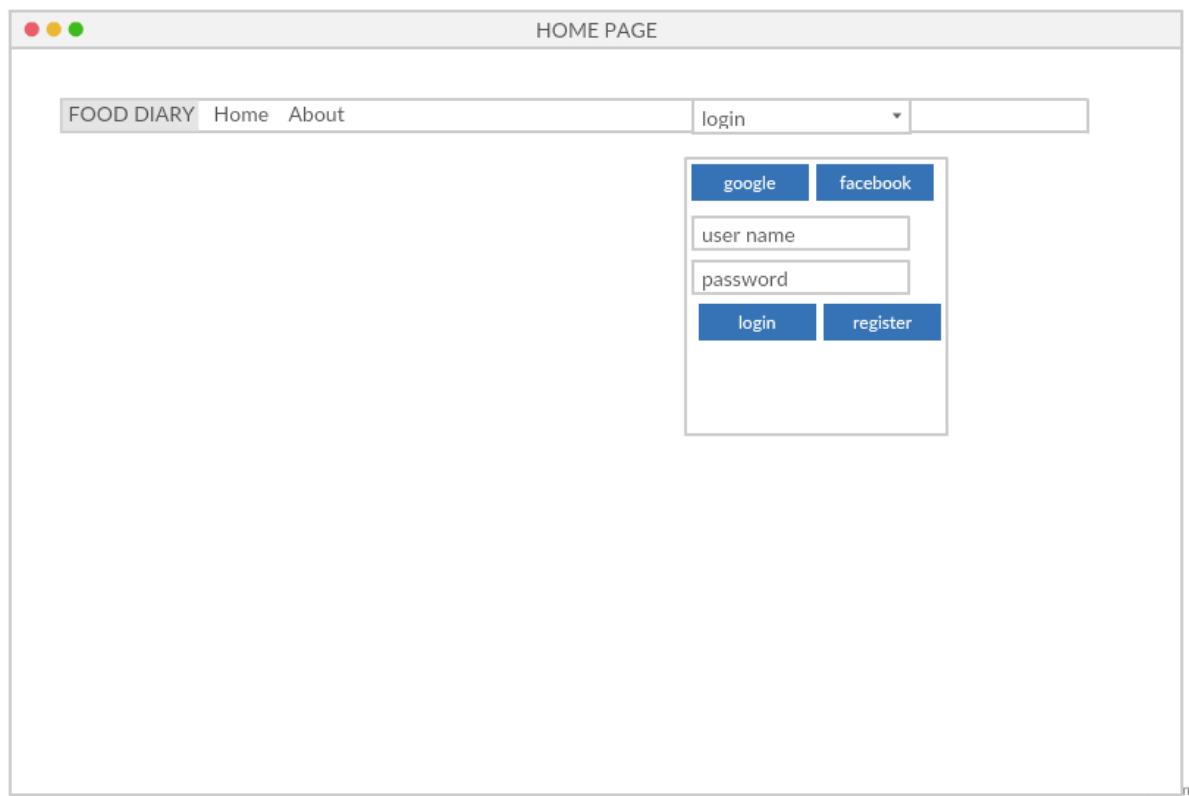
Burn Down Graph:



Burn down chart for assigned and completed task is shown above. Milestone for first increment was set to 17 Feb.

## Wire Frames:

## Login Page:



A wireframe of a login page titled "HOME PAGE". The page features a navigation bar with "FOOD DIARY", "Home", and "About" links. A search bar contains the text "login". Below the navigation bar, there are two blue buttons labeled "google" and "facebook". Underneath these are two input fields labeled "user name" and "password". At the bottom of the login section are two blue buttons labeled "login" and "register".

HOME PAGE

FOOD DIARY Home About

login

google facebook

user name

password

login register

## Register Page:

REGISTER

Register

user name

email

password

confirm password

submit

## Dashboard:

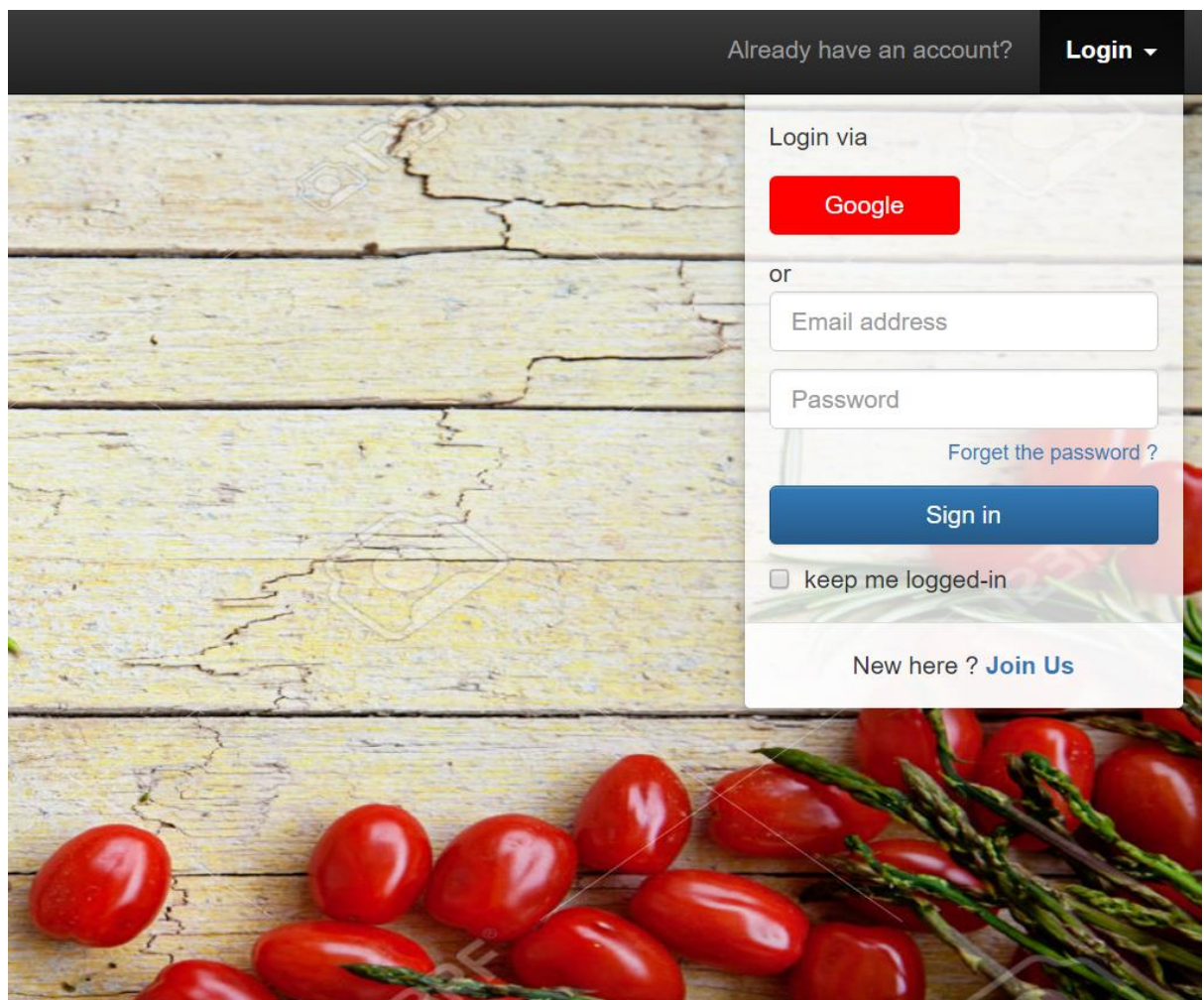
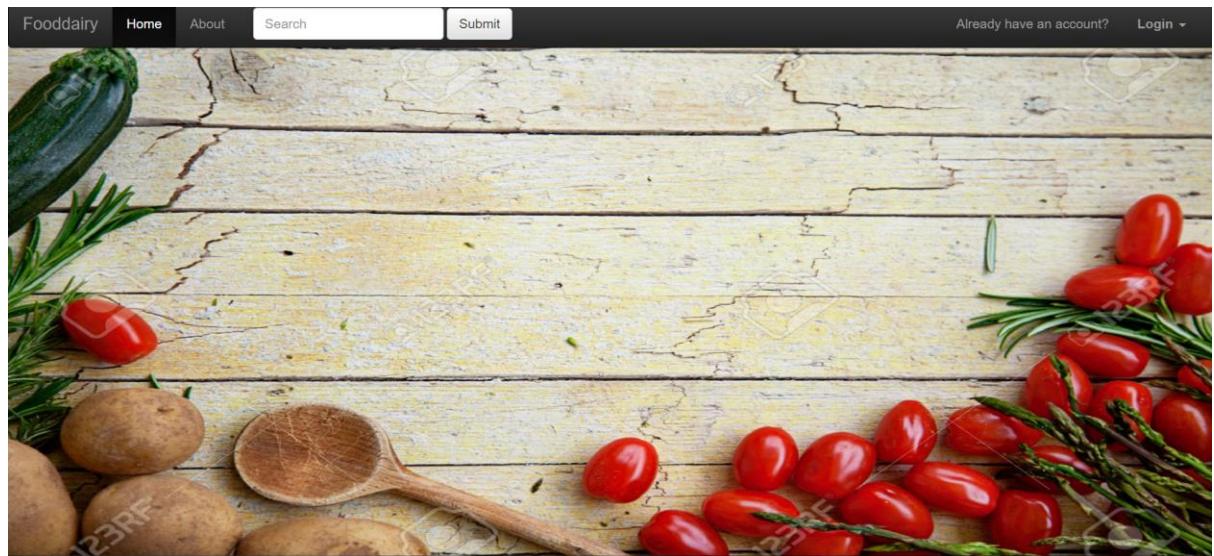
Dashboard

Food diary home about

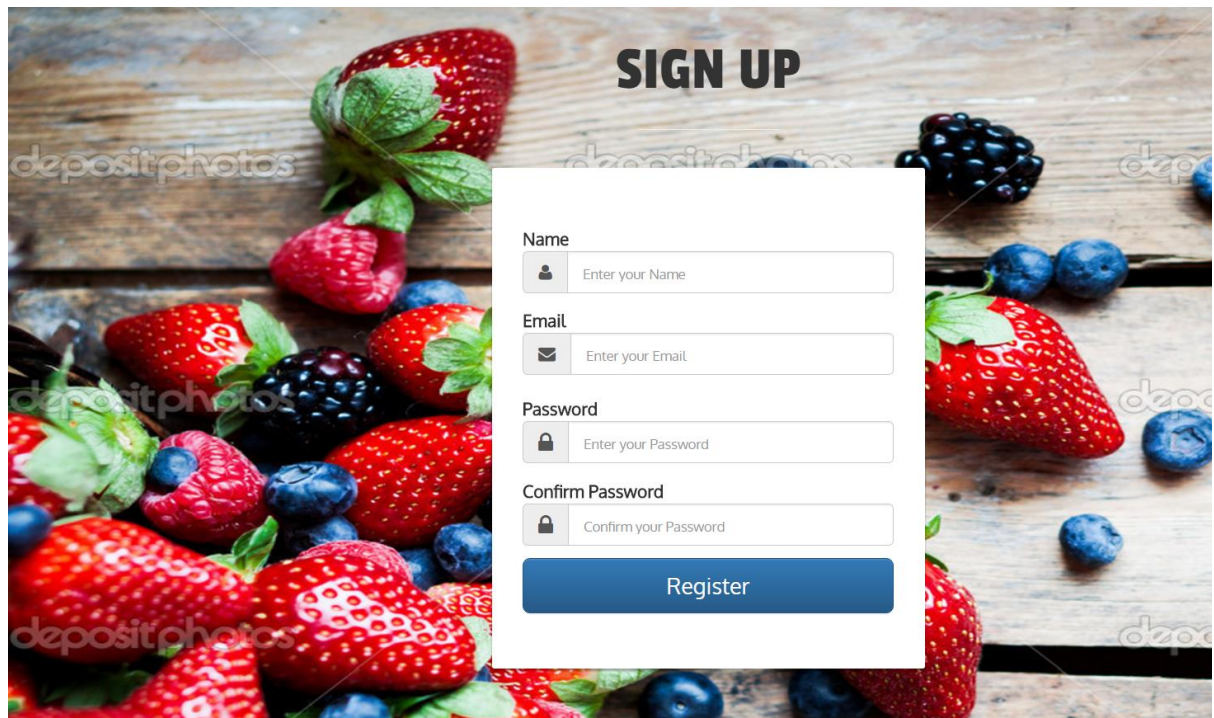
Hi bhavesh logout

My profile food exercise records

## Mock ups:







### User Stories:

As a	I want to	So that,
User	Signup account	I can register in FoodDiary app
	Login as user	I can access the app
	Set my goal	I can gain, reduce or balance my weight
	Maintain diary	I can keep track of my daily intake
	Search for new recipes and their corresponding nutritional values	I can achieve my goal
	Use calorie counter	I can exercise and eat accordingly
	Maintain record	I can review my progress

### Use Case:

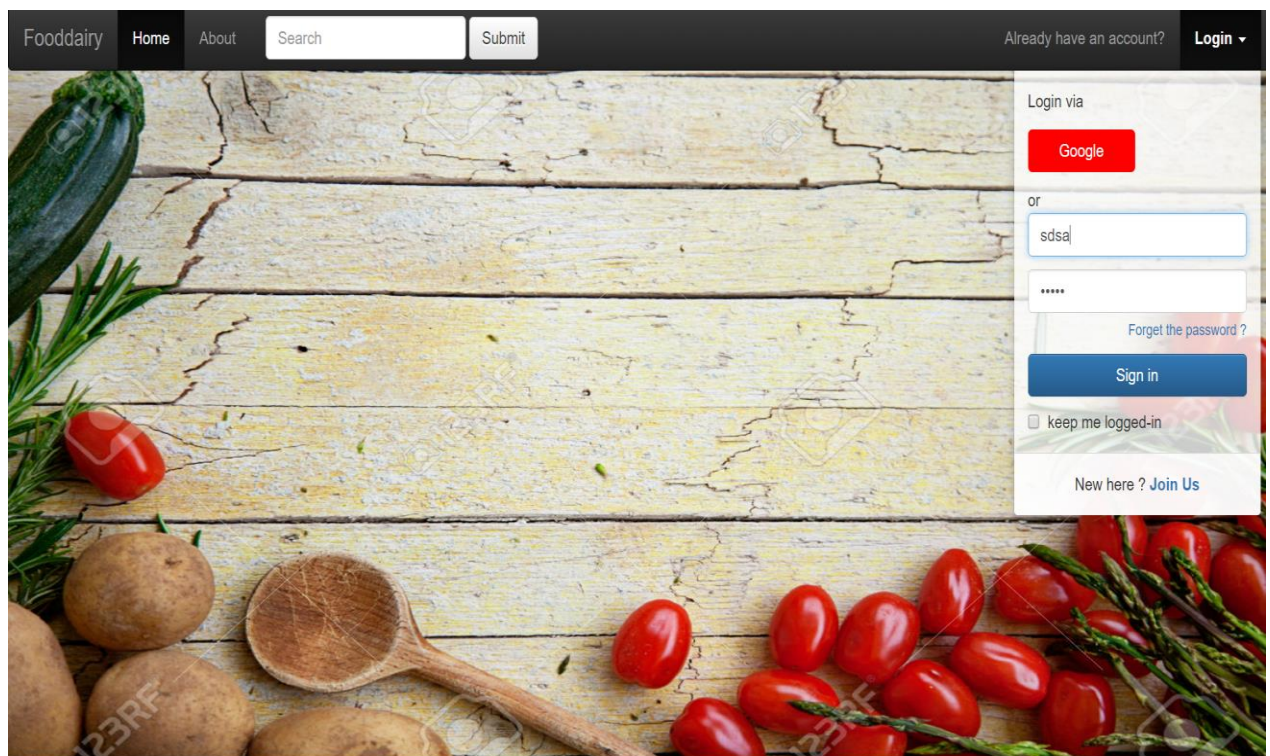
- **Recipe Search:** User searches the recipes based on the available ingredients. He can also filter based on calories, diets and allergens. .
- **Calorie Counter:** Based on the user's goal, FoodDiary displays the intake of calories per day. Also, calculates the count based on the calories burnt and gained.
- **Nutritional Values:** User can also obtain the overall nutritional values of a recipe, ingredient based on the serving.
- **Dairy:** User maintains a record of the food intake per each day along with exercises done.
- **Report:** FoodDiary keeps track of the progress of the user based on his goal.

### Test cases:

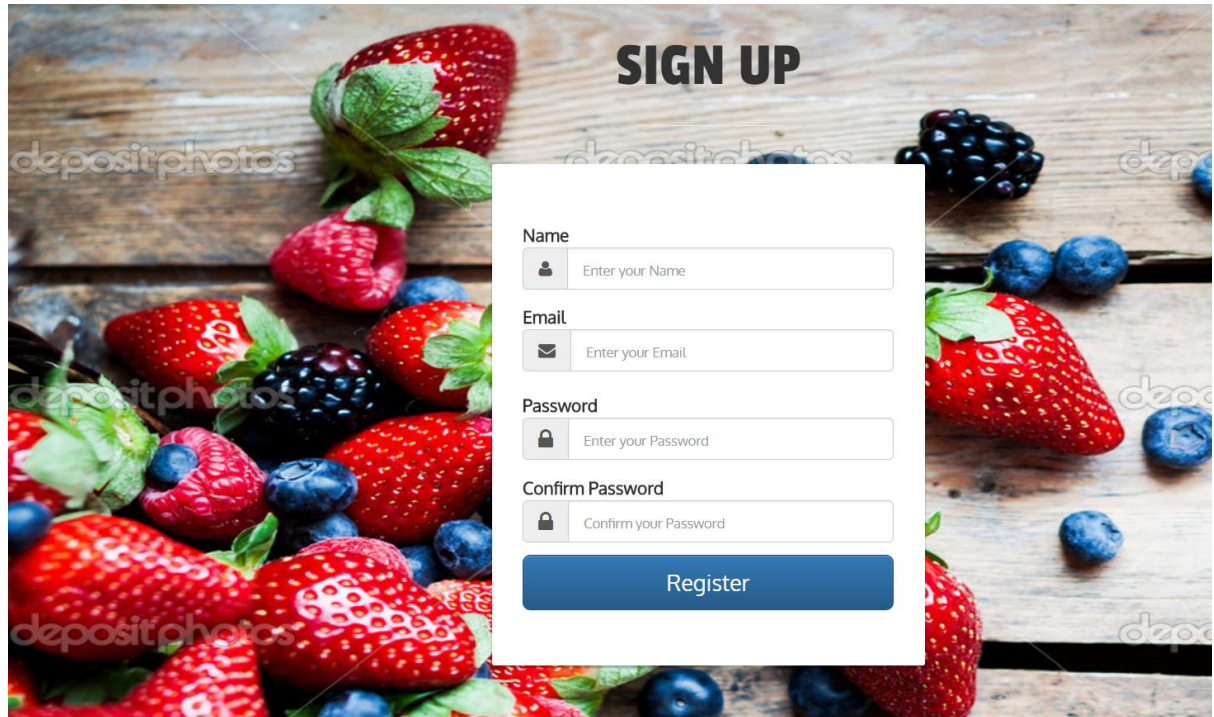
TEST CASE NAME	TEST DESCRIPTION	EXPECTED RESULTS	PASS/FAIL
Sign Up	Enter email id without @	Asks to display valid email id	Pass
	Enter valid details	Navigates to login page	Pass
Login	Enter invalid user id and invalid password	Invalid login error message displays	Pass
	Enter valid user id and password	Navigates to home page	Pass
	Enter invalid user id and valid password	Invalid login error message displays	Pass
Logout	Press the logout button	Navigates to the login page	Pass

### Final Screen Shots:

#### Login



## Registration Page:

A registration form is centered on a background image of various berries (strawberries, blueberries, blackberries) on a rustic wooden surface. The form is a white rectangle with a thin grey border. At the top right of the form, the text "SIGN UP" is written in a large, bold, black sans-serif font. Below this, there are four input fields, each with a label to its left and a small icon to the left of the input box. The labels are "Name", "Email", "Password", and "Confirm Password". The icons are a person silhouette, an envelope, and a padlock respectively. The input boxes are white with a light grey border. Below the input fields is a blue rectangular button with the word "Register" in white text.

**SIGN UP**

Name  
Enter your Name

Email  
Enter your Email

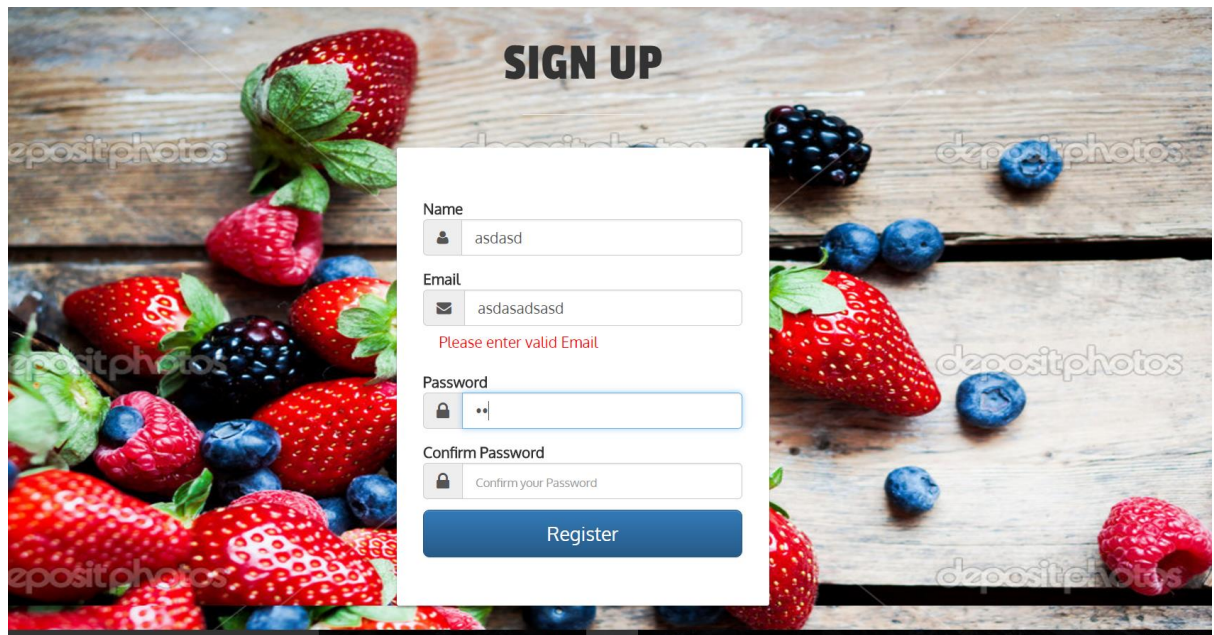
Password  
Enter your Password

Confirm Password  
Confirm your Password

Register

## Sign up with validation:





## Dashboard:

