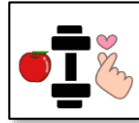


Promoting Healthy Eating and Balanced Diet

By Redefine-Me



Sprint 6

Professor: Henry Wong

Computer Science Project

Course : CS692

Team: 2 (Tiny Coders)

Designed by : Maanasa Dharini.



AGENDA

Team Members
Roles and
Responsibilities

Improvements
from professor
feedback

Project
Description

Teamwork
Agreement

Personas

Minimal Viable
Product (MVP)

Technologies

Algorithm

Diagrams

Sprint 4 Recap

Product
Backlog

Sprint 5
Backlog

Metrics

Retrospective

Sprint 6

Project Demo

Git-hub Link

Live
Application
Demo

Team Member Roles



SATHWIK MUDENTI
DEVELOPER 1



VARUN REDDY
DEVELOPER 2



DHARINI MAANASA
DEVELOPER 3



NARESH BABU CHINTA
QA/TESTER



BRUNDA REDDY
DBA

Improvements made from Professor Feedback

■ Professor feedback



- New Templet is needed.
- Proper Project Description is needed.
- Make changes in Architecture diagram.
- Update ER Diagram.
- Add story points to sprint 5 and 6 backlog and specify the issue/task.
- Add tech paper and deployment manual.
- Add algorithm network architecture.
- Change the format in which we write our test cases and output.
- Add story points to Metrics.

■ Improvements Made



- Worked on new templet.
- Updated the project description.
- We made changes to architecture diagram.
- Er Diagram is updated.
- Added new story points and specified issues and tasks.
- Completed the Tech Paper and Deployment Manual.
- Algorithm Network Architecture is added.
- We changed the format of our test cases.
- We updated metrics.

PROJECT DESCRIPTION

Project Description	
Project Name:	Promoting Healthy Eating and Balanced Diet with Re-Define Me.
Team Name:	Tiny Coders
Project Description:	<p>We are providing the customers a healthy living habits with proper nutrients and workouts with unique features according to the user customization.</p> <p>For Customers:</p> <ul style="list-style-type: none">Who wanted to take proper medications, supplements ,diet and workouts our web application "Re-Define Me"
Benefit Outcomes:	<ul style="list-style-type: none">Customers can contact dietitian and personal trainers ones the user subscribes to the applicationThe dietitian provides the nutrients details and the supplements to the customer without going to the hospital directly.It will provide the details of the gyms nearby and highly rated personal trainers.
GitHub Wiki:	https://github.com/DhariniMansi/CS691.wiki.git

TEAM WORKING AGREEMENT

Team-Working Agreement

- All the members of the team are expected attend meetings that happen twice over the week and in case of absence person must contact the teammates for the information.
- Tasks are to be divided between each member of the team and the members of the team should stay committed to the deadlines of the tasks that they are assigned.
- Each member of the team is expected to brainstorm and come with unique ideas.
- Making sure every teammate providing the equal amount of contribution and providing feedback within the team so that they can perform better.
- In case if any person in the team faces issues, he/she should contact other persons in the team.
- The project has been equally divided with the teammates and expected to complete before deadline.
- If any teammate is unable to complete the task before the deadline, they should let the team lead know about it and take help from the team to complete the task.
- Teammates need to discuss every minute details and can contact or needs to let the team know about any update they can ping in the WhatsApp group available for the teammates.
- The presentation will be shared with everyone in the team but edit access is only given for one person to make changes to avoid further confusions.
- Teammates must involve in the project and attend every meet without fail.

Team-2

Maanasa Dharini

~~Sathwik Mudenti~~

Naresh Babu Chinta

Varun Reddy ~~Duggimpudi~~

~~Brunda~~ Reddy

PERSONAS



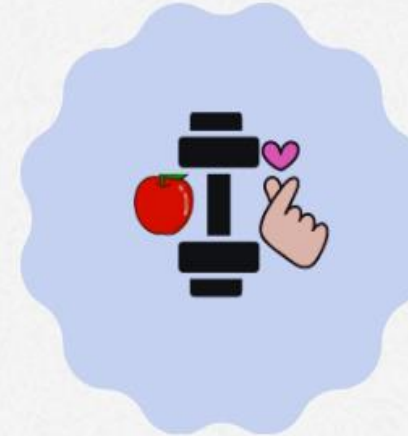
Elena
Dietitian



John
Gym Trainer



Trisha
Nutrition
Deficiency Patient



Re-Define Me



Gigi Hadid
Model



Demographics:

- **Name:** Elena
- **Age:** 32 years
- **Profession:** Dietitian
- **Location:** New York
- **Salary :** \$120,000/annum.

Profile

Elena graduated with her doctorate from the University of Bridgeport School of Chiropractic. She has spent over 5 years in the healthcare industry and has a patients for understanding human biomechanics and she is registered with the Commission of Dietetics Registration (CDR).She is mother of 2 kids and her husband is Software Engineer.

Interests

- Long rides
- Cooking
- Athletics
- Listening to Music

Frustration

Elena must deal with lot of vitamin and nutrition deficiency patients everyday. She wants to help patients who need supplements and vitamins in their daily routine, but she can't help everyone at the same time in case of emergency.

Goals: Her goal is to collaborate with the top EHR system handling companies to update the EHR system and need to hire few faculty who helps her in maintaining the data of clients.

She will help patients who needs supplements by using our web application "**Re-Define Me**". She will be communicating with her clients at her feasibility. She can plan meetings with the patients even from home. So that she can closely observe the patient's requirements.



Demographics

- **Name:** Trisha
- **Age:** 28 years.
- **Profession:** HR / Managing Director
- **Salary:** 95,000 per Annum.
- **Location:** California.

Profile

Trisha is HR / Managing Director at Apple Inc in California. She handles the recruiting team and conducts all the interviews for the new candidates. There will be lot of pressure in the office, she is newly married and shifted to California. She is suffering from Calcium Deficiency, has signs of B12 and suffering from dry skin, severe hair fall. She needs medication for malnutrition including supplementation, proper diet, lifestyle.

Interests

- Reading Books
- Miniatures
- Singing

Frustration

It is difficult for Trisha to handle her job and care about her health, lifestyle due to hectic schedule and interview appointments. She couldn't be able to make for the appointments with her doctor due to her tight schedule

Goals:

As calcium deficiency can reduce bone strength and lead to osteoporosis, which is characterized by fragile bones Trisha wants to take the supplements with food containing vitamins in order to maintain balance at her feasibility and can communicate with her personal nutritionist frequently.



Demographics

- **Name:** Alex.
- **Age:** 29.
- **Profession:** Gym Trainer
- **Fitness Level/Rating:** Best
- **Salary:** 55,000 per annum

Profile

Alex is the most handsome and best rated trainer in the most famous gyms in New York. He is the head coach of Mighty transformation program, and his passion is to help people change their lives in the simplest and most realistic way. He believe everyone deserves the right for good health and to be happy with themselves inside and out. He loves to help people to reach their transformation goals with proper diet.

Interests

- Weights lifting
- Dancing
- Cycling
- Volunteering
- Hiking

Frustrations

As he is the best coach in the gym, people want to get the information about the proper diet and the routine workouts to follow. Lot of people surround him to ask him about the diet when he is training his personal trainers

Goals

Alex is mindful of what his clients eat is just as crucial as their routine, in order to bring in healthy life and mind. He wants to become established fitness professional. He helps his client to reach their individual goals with unique diet plans. Re-define can help him to get touch with his clients virtually and can help them with workouts and diet plans through online classes.



Profile

Jelena Noura "Gigi" Hadid is an American model and television personality. Hadid's modeling career began when she was 2 years old. She started modeling for Baby Guess before stopping to concentrate on school. She eventually returned to modeling in 2011. She resumed working with Marciano and was named the face of a Guess campaign in 2012. She has shot three campaigns with Guess as an adult. She signed to IMG Models in 2013 and made her New York Fashion Week debut the following year. She has appeared in numerous high fashion campaigns and editorials, and is a spokesmodel for **Maybelline**

She dated Zayan Malik in 2015 and she confirmed that she and Malik were expecting their first child soon, during an interview on The Tonight Show Starring Jimmy Fallon. Their daughter was born in September 2020

Interests

- Gardening
- Yoga
- Spending time with loved ones.

Frustrations

It is difficult for her to deal with criticism, competitors and as a top model she needs to maintain her body and diet. But she can't control her cravings.

Goals: Gigi says " If something's inspiring me, I'll push myself harder to get there". Being a model, and a mom Gigi decided to maintain proper health along with a healthy and nutrition diet. She walks a lot. She does Yoga. With lifting weights, she runs around for an hour in the park. She does everything said by her trainer to keep her body fit and healthy.

Demographics

Name: Jelena Noura Hadid.

Age: 27.

Profession: Female Runway Model

Net Worth: 29 Million.

Location: Los Angeles

Followers: 77.1 Million

MVP



Get Started

Sign Up

Email

Password

SIGNUP

Have an account already? [Login](#)

Sign In

Email

Password

LOGIN

Re-define me

Recipes

Calories

Food & Diet

Contact



Stay healthy with

RE-DEFINE ME

HEALTH & FITNESS

Find the healthiest food for your body,
track the right amount of calories to
have in your meals.

Calorie Calculator

🔍 Recipes



Re-define me

Recipes

Calories

Food & Diet

Contact



Get in touch

email

youremail@email.com

name

your name

subject

Your subject

message

Enter your message here

Send ↗



Results

Maintain weight

2322

Calories / day

Mild weight loss

0.25 kg / week

2072

Calories / day

Weight loss

0.50 kg / week

1822

Calories / day

Extreme weight loss

1 kg / week

1322

Calories / day

Mild weight gain

0.25 kg / week

2572

Calories / day

Weight gain

0.50 kg / week

2822

Calories / day

Calorie Calculator

This Calorie Calculator can be used to estimate the number of calories a person needs to consume each day.

Age

15 - 80

Gender

☐ male ☐ female

Height

130 - 230

cm

Weight

40 - 160

kg

Activity

Sedentary: little or no exercise



Clear values

Calculate

Re-define me

Recipes

Calories

Food & Diet

Contact

Favorites

TECHNOLOGIES

Front-End



React



JavaScript



Backend/Server



Express



Database



mongoDB

Testing



API



POSTMAN
API PLATFORM



RapidAPI

Tools



Figma

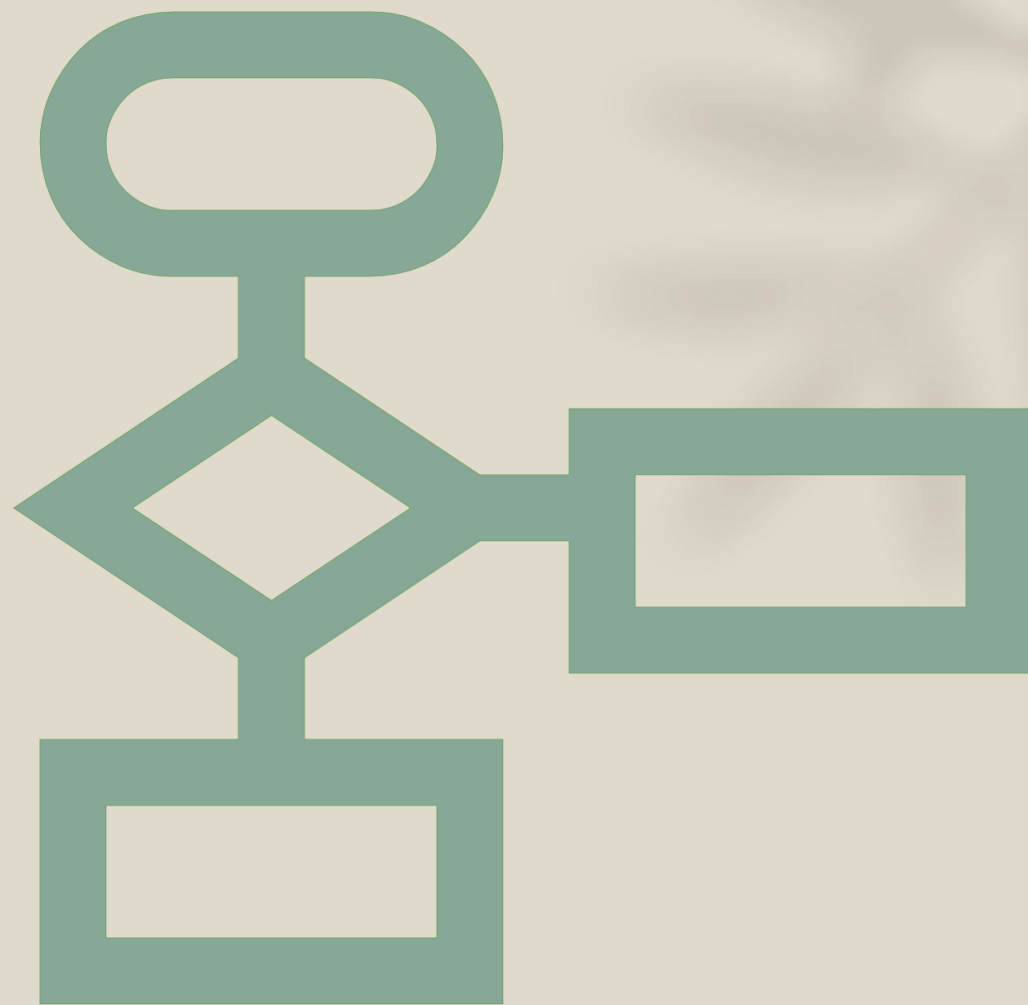


chrome

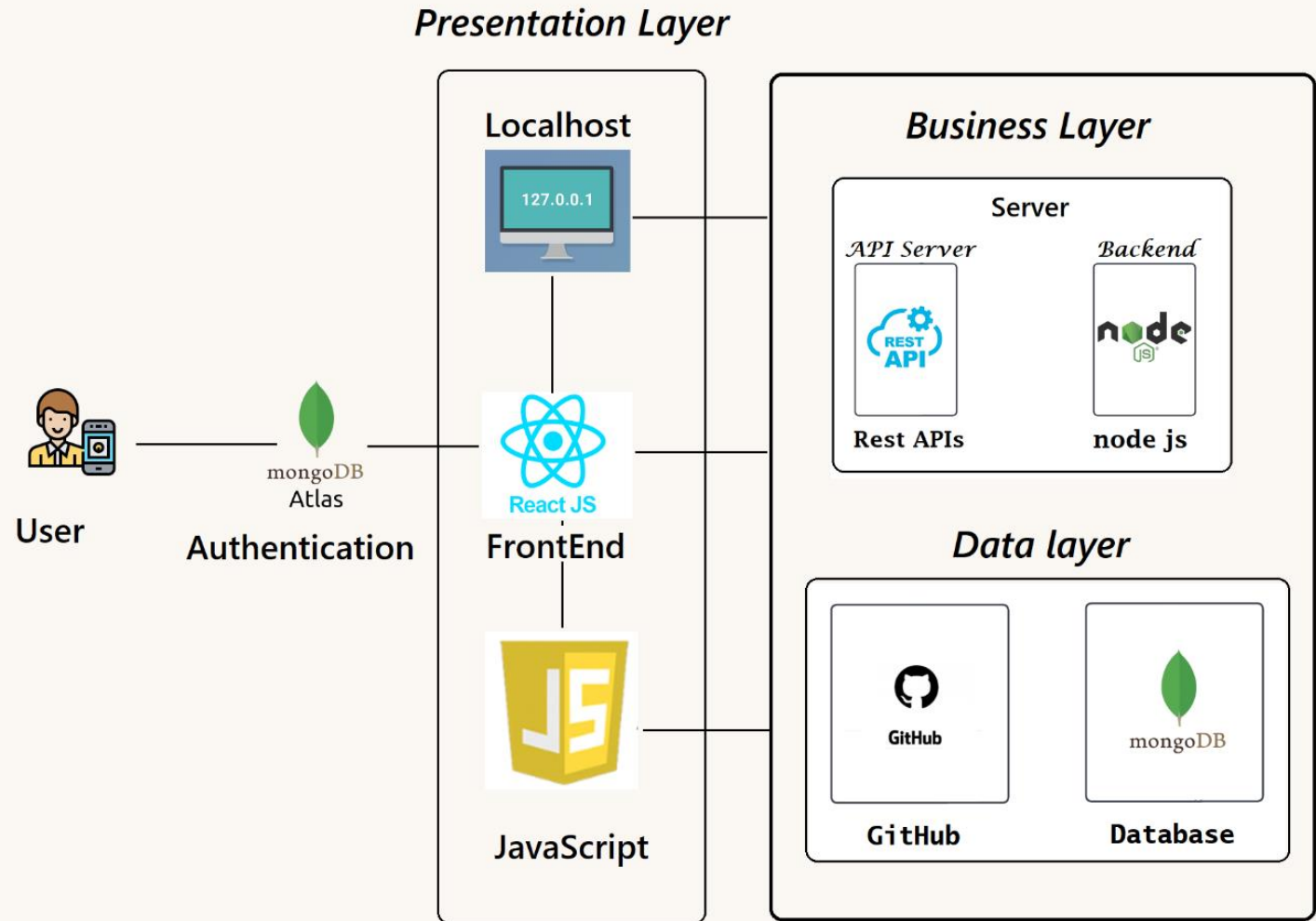


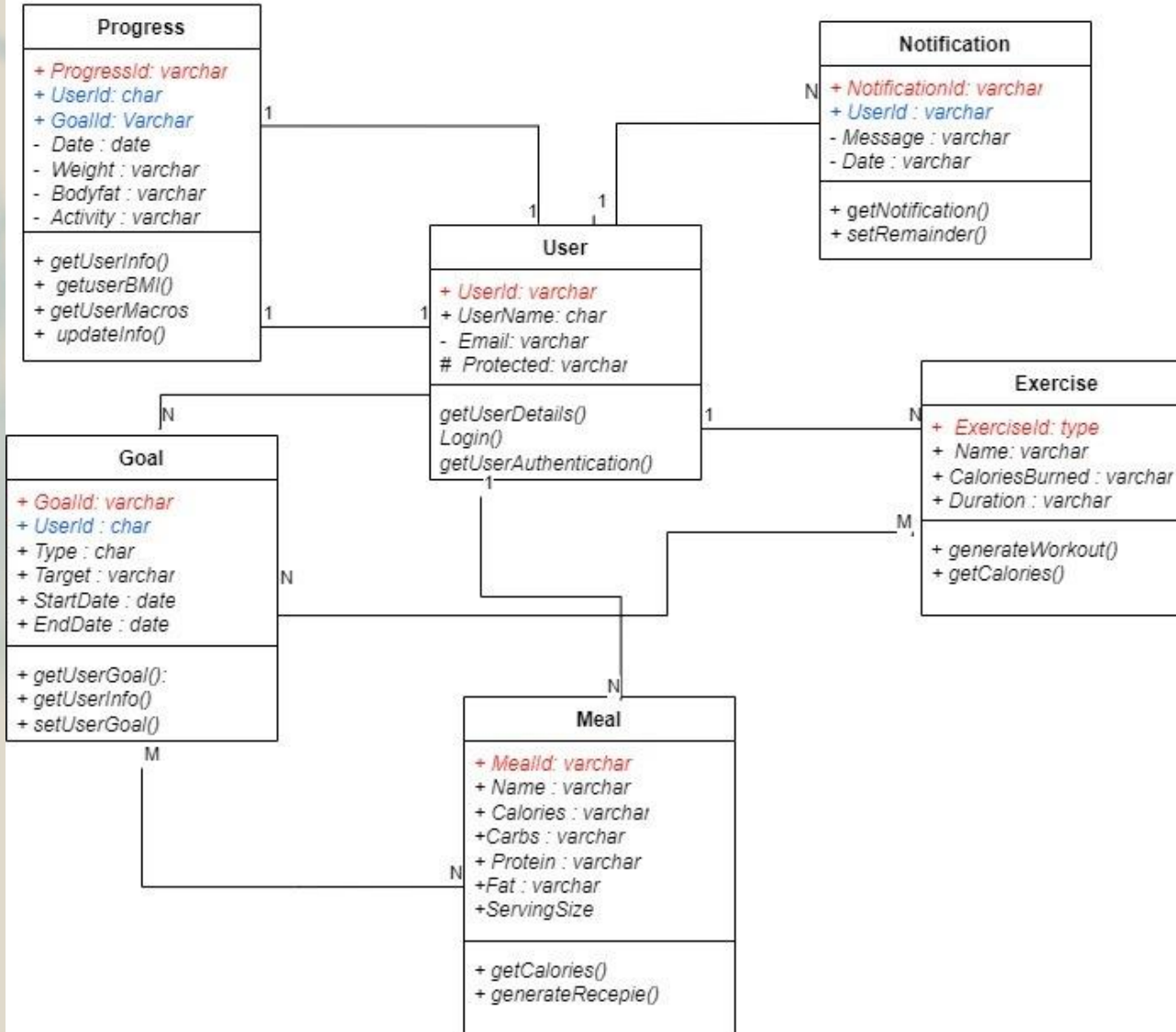
Visual Studio Code

DIAGRAMS



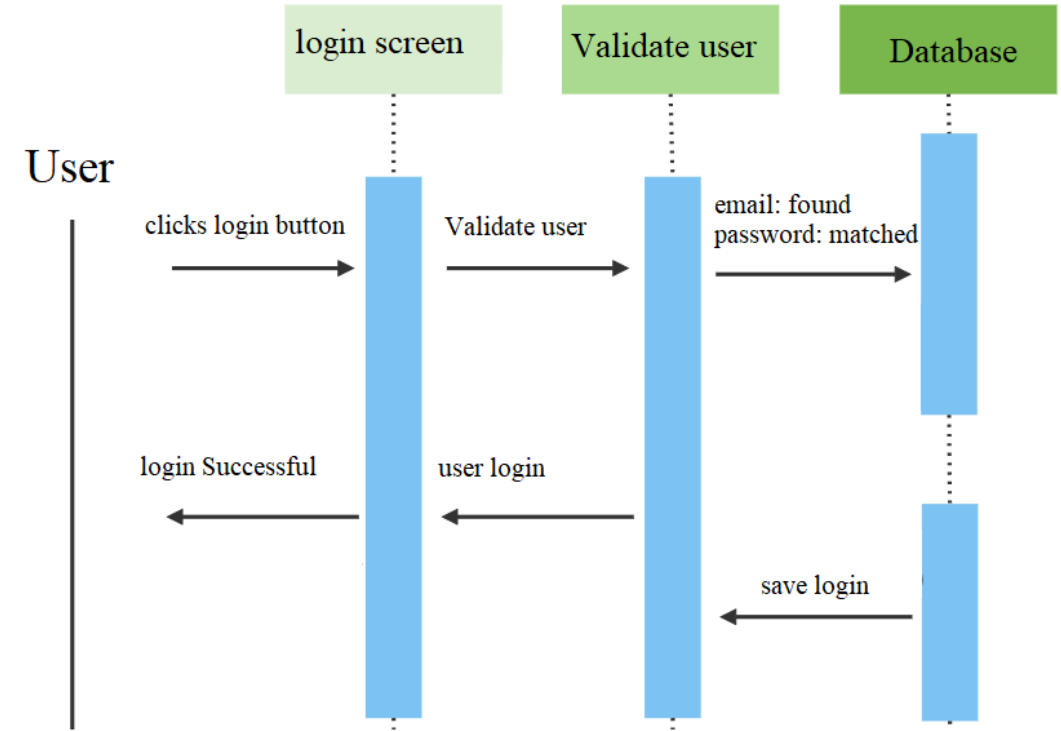
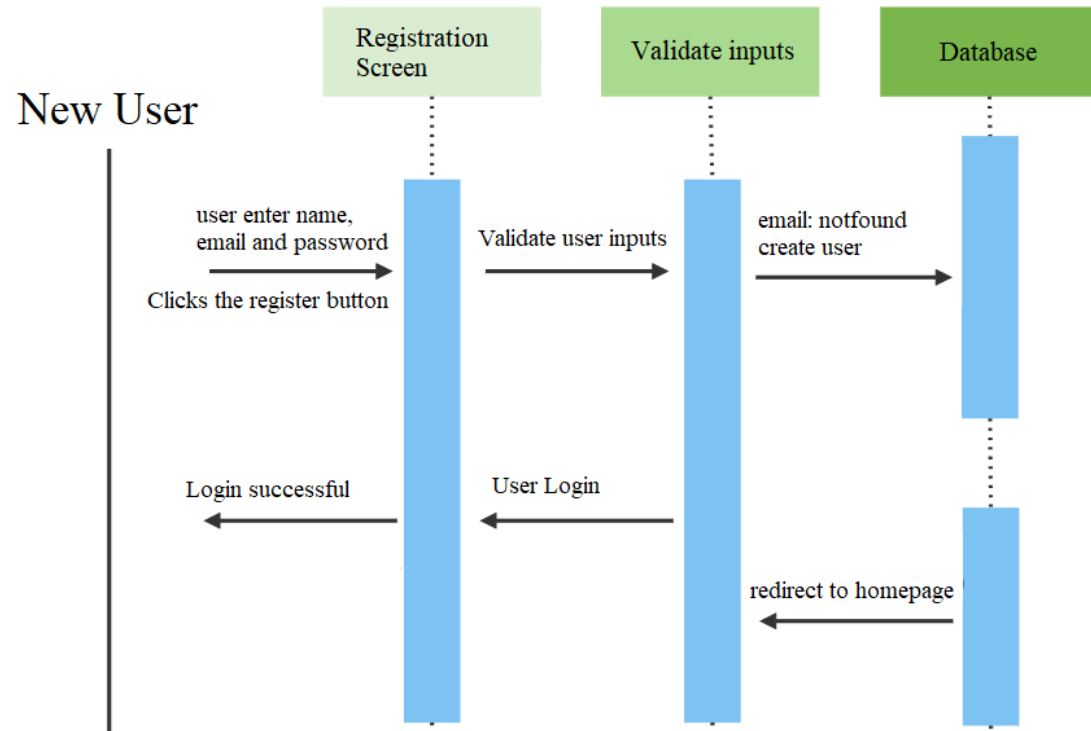
ARCHITECTURAL DIAGRAM

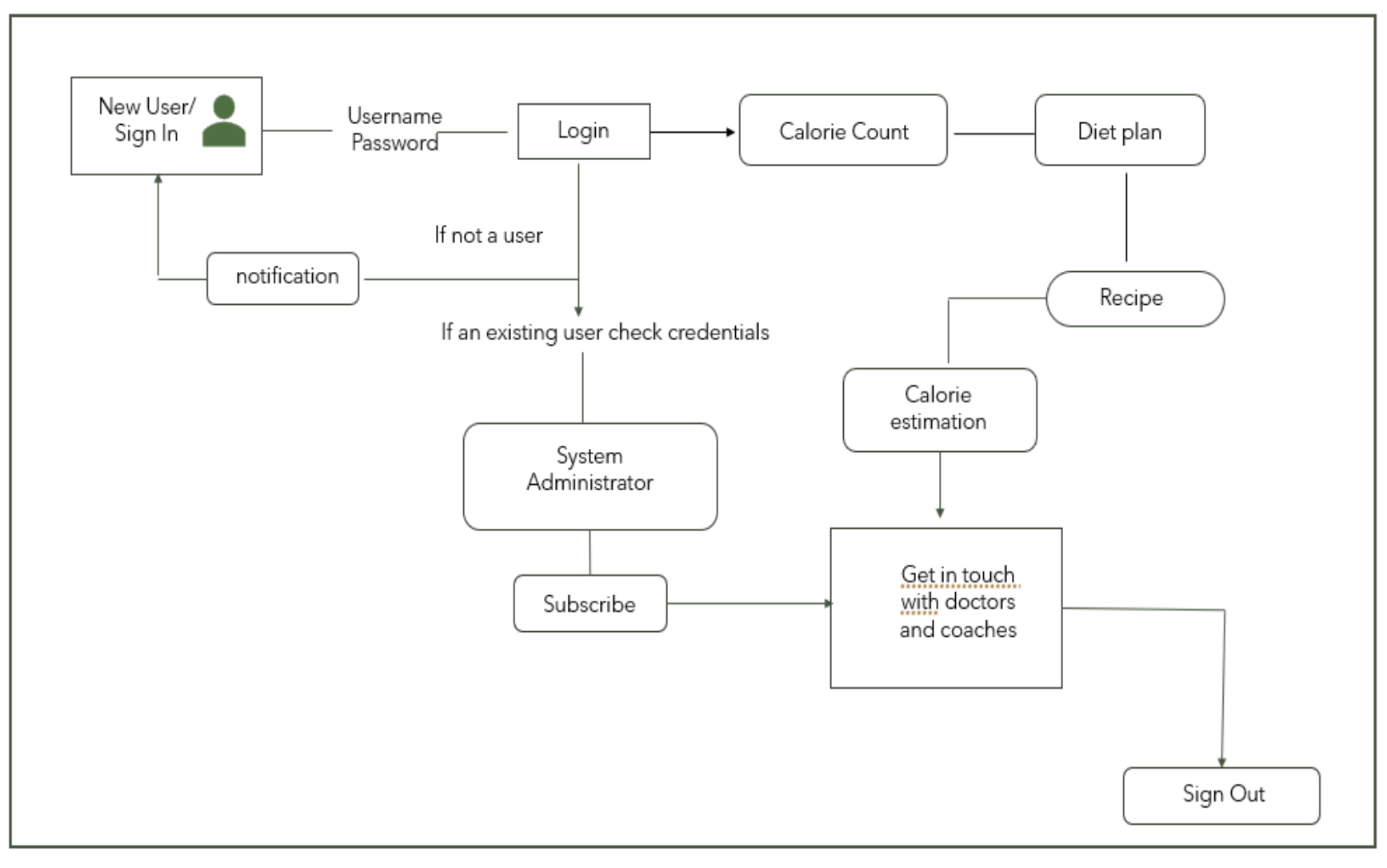




ER Diagram

USER SEQUENCE DIAGRAMS





Data Flow Diagram

ALGORITHM

Calorie counting is a process where it uses multiple algorithm such as object detection and is linked to a database where the calorie information of each food and ingredients is stored in it. When a user take pictures of their meal, it will detect the food and automatically count the total calories that is about to be consumed for the users. This is applied in many healthy diet applications to help users to keep track of the numbers of calories consumed in the food so that one will not eat too much.

Since healthy diet is popularly concerned in this modern world. These application able to help the individuals to maintain and improve their overall health by providing relevance information such as calories, nutritional facts as well as keeping track of their food intake. One biggest flaws that these applications have made are that they do not have object counting algorithm. This will affect the counting process and will not be able to provide an accurate result during the process. The information are too generalized where the calories are counted in a fixed portion or the user have to manually select their quantities of it, but most of them would not prefer to gone through these hassle. The aim for this project is to further enhance these applications in the form of accuracy in counting food calories by using object detection and object counting so that each of every ingredients and food to be consumed by the user is determined and provide a precise result for them.

SPRINT 5 RECAP



Completed the Tech
paper.



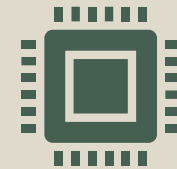
Created a
Sign/Login Page.



Added features for
the Application



Worked on new
user stories



Design backend &
working on Database.

Sprint 5 Vs Sprint 6

▪ Sprint 5

- Working on Tech Paper
- Created a Sign/Login Page
- Adding New Features to the application
- Design backend & working on Database.

▪ Sprint 6

- Added new story points and specified issues and tasks.
- Recipes and recommendation are added according based on maintenance calories.
- Worked the Tech Paper and Deployment Manual.
- Adding the coaches and doctors' lists.

Product Backlog

Issue Type	Key	Name
Story	SAT-11	As a new user I want to Navigate through home page, features and about and find contact information So that I get fammiler with the application
Story	SAT-12	As a user I should be able to share my information by writing name, goals and contact and submit the information So the information gets stored.
Story	SAT-13	As a New user I should be able to scroll through the website and see all the features in it So that I can get and overview of what the application consists of.
Task	SAT-44	Research on Application algorithm Architecture
Story	SAT- 17	As a Customer I want to enter my details like height, weight,activity So that I can find maintainance calories
Story	SAT - 18	As a Customer I want to get diet recommendation based on my maintainance calories, So that I can reach my fitness goals.
Story	SAT- 19	As a Customer I want to search the catalogue for recepies So that I can choose desired recepie based on maintainance calories
Story	SAT-21	As a Customer, I want to select a nutritionist So that I can proceed to make an appointment with him.
Story	SAT- 20	As a Customer, I want to view the list of all the avaliable professionals So that I can have a list of them to choose when I need one.
Story	SAT -22	As a Customer, I want to view the list of all the avaliable professionals So that I can have a list of them to choose when I need one.
Story	SAT- 23	As a customer I want to give rating and feedback for the application So that the review can be pinned to testimonials
Story	SAT- 24	As a customer I want to give rating and feedback for the application So that the review can be pinned to testimonials.

Sprint 5 Backlog

Key	Issue Type	Name	Status	Story point Estimate
SAT-20	Story	As a Customer, I want to view the list of all the available professionals So that I can have a list of them to choose when I need one.	To-Do	5
SAT-22	Story	As a Customer I want to give feedback for the professionals that I got Contacted for the service So that the other users get overview of the service.	To-Do	5
SAT-23	Story	As a customer I want to give rating and feedback for the application So that the review can be pinned to testimonials	To-Do	3
SAT-24	Story	As a customer I want to email the Customer service So that my issue gets resolved	To-Do	3

User Stories and Acceptance Criteria

User stories and acceptance criteria			
Id	User story	Acceptance criteria	Status
SAT-17	As a Customer, I want to enter my details So that I can find maintainance calories	Scenario : customer wants to find maintainance calories Given I am in the role of logged in customer When I enter my details Then the system shows me my maintainance calories And I know my maintainance calories	Done
SAT-18	As a Customer, I want to get diet recommendation based on my maintainance calories So that I can reach my fitness goals	Scenario : Customer wants to reach his fitness goals Given I am in the role of logged in customer When I click on food and diet Then the system shows me diet recommendation And I get a diet for whole day based on my maintainance calories.	Done
SAT-19	As a Customer, I want to search the catalogue for recepies So that I can choose desired recepie based on maintainance calories.	Scenario : Customer wants to choose a particular recepie based on calories Given I am in the role of logged in customer When I search and click on desired recepie Then I get the preparation steps for the recepie And I can choose desired recepie based on calorie count	Done
SAT-21	As a Customer I want to select a nutritionist So that I can proceed to make an appointment with him.	Scenario : customer wants to make an appointment with nutritionist Given I am in the role of logged-in customer When I search and select a particular nutritionist Then I can select a nutritionist	Done

Test Cases

User story id	Test Unit	Test Assumptions	Test data	Steps to follow	Expected result
SAT-11	Login	Login should be sucessful	Email:user1@gmail.com, Password:test1@123	Login to homepage	User should be able to login to homepage
SAT-11	Login	Test should should Invalid username/password	Email:user2@gmail.com, Password:test1@123	Login to homepage	User is prompted with a message invalid username
SAT-11	Login	Test should should Invalid username/password	Email:user1@gmail.com, Password:test	Login to homepage	User is prompted with a message invalid Password
SAT-17	Home	Test should give maintainance calories	db.customers.insert({ name: "John Doe", age: 30, height: 175,weight: 80,gender: "male", activity_level: "moderate",goal: "lose weight"})	homepage to results	User is shown with his maintainance calories
SAT-17	Results	Test should give maintainanc	db.customers.insert({ name: "John Doe", age: -3, height: 175,weight: 80,gender: "male", activity_level: "moderate",goal: "lose weight"})	homepage to results	User is prompted to enter valid age
SAT-17	Results	Test should give maintainanc	db.customers.insert({ name: "John Doe", age: , height: 175,weight: 80,gender: "male", activity_level: "moderate",goal: "lose weight"})	homepage to results	Missing mandatory fields
SAT - 12	Home	Display all the services	db.getCollection("services");	Homepage to services	User is shown all the services

Test Cases

User story id	Test Unit	Test Assumptions	Test data	Steps to follow	Expected result
SAT -18	Recommendations	Show diet recommendation	db.recommendations.find({maintenance_calories:	MongoDb to recommenda	Customer is shown recommendation based on input
SAT-18	Recommendations	Show error for invalid data	db.recommendations.find({maintenance_calories:	MongoDb to recommenda	Customer is shown recommendation based on input
SAT-18	Recommendations	Show error for Missing field	db.recommendations.find({maintenance_calories:	MongoDb to recommenda	recommendation based on input
SAT-19	Recepies	Customers should be able to search the		recepie to searchbox	Customer is shown recommendation
SAT-21	users	Customers should be able to make an		Home to users	Customer is provided with an option to make
SAT -21	users	Customer can receive response from		users to chat	Customer is provided with an option to chat
SAT-20	users	Display all the available professionals		users to professionals	option to view all the professionals

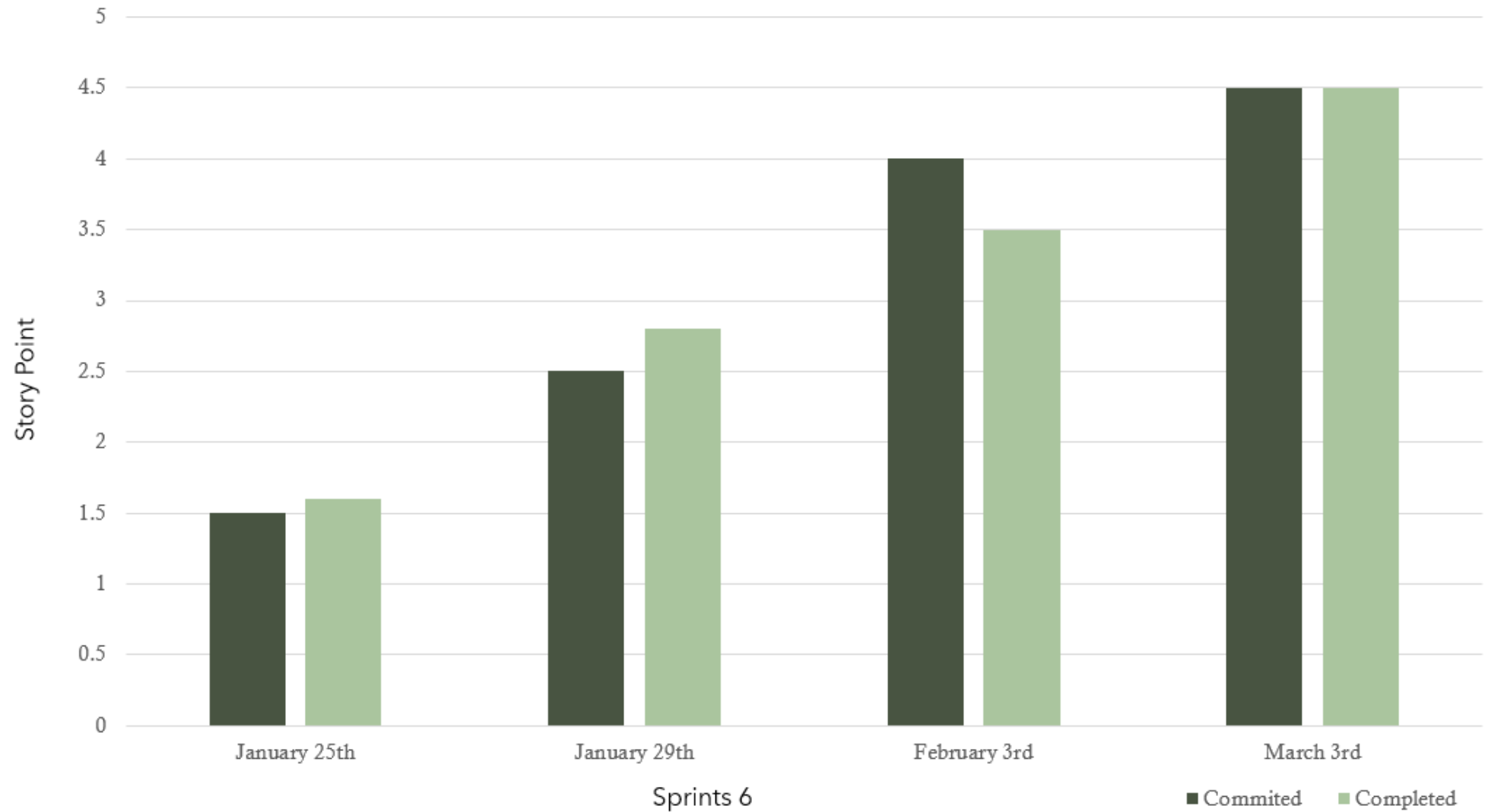
Stories \ Task Completed and Not Completed

Key	Issue Type	Name	Status
SAT-17	Story	As a customer I want to enter my details like height, weight,activity So that I can find maintainance calories	Done
SAT-18	Story	As a customer I want to get diet recommendation based on my maintainance calories, So that I can reach my fitness goals.	Done
SAT-19	Story	As a customer I want to search the catalogue using search box for recepies, Sothat I can choose desired recepie based on maintainance calories	Done
SAT-21	Story	As a customer I want to select a nutritionist , So that I can proceed to make an appointment with him.	Done
SAT-20	Story	As a customer I want to view the list of all the available professionals, So that I can have a list of them to choose the best trainer/doctor.	In Progress
SAT-24	Story	As a customer I can be able to search the recipes, So that I can maintain theweight according to the calorie calculator.	Done

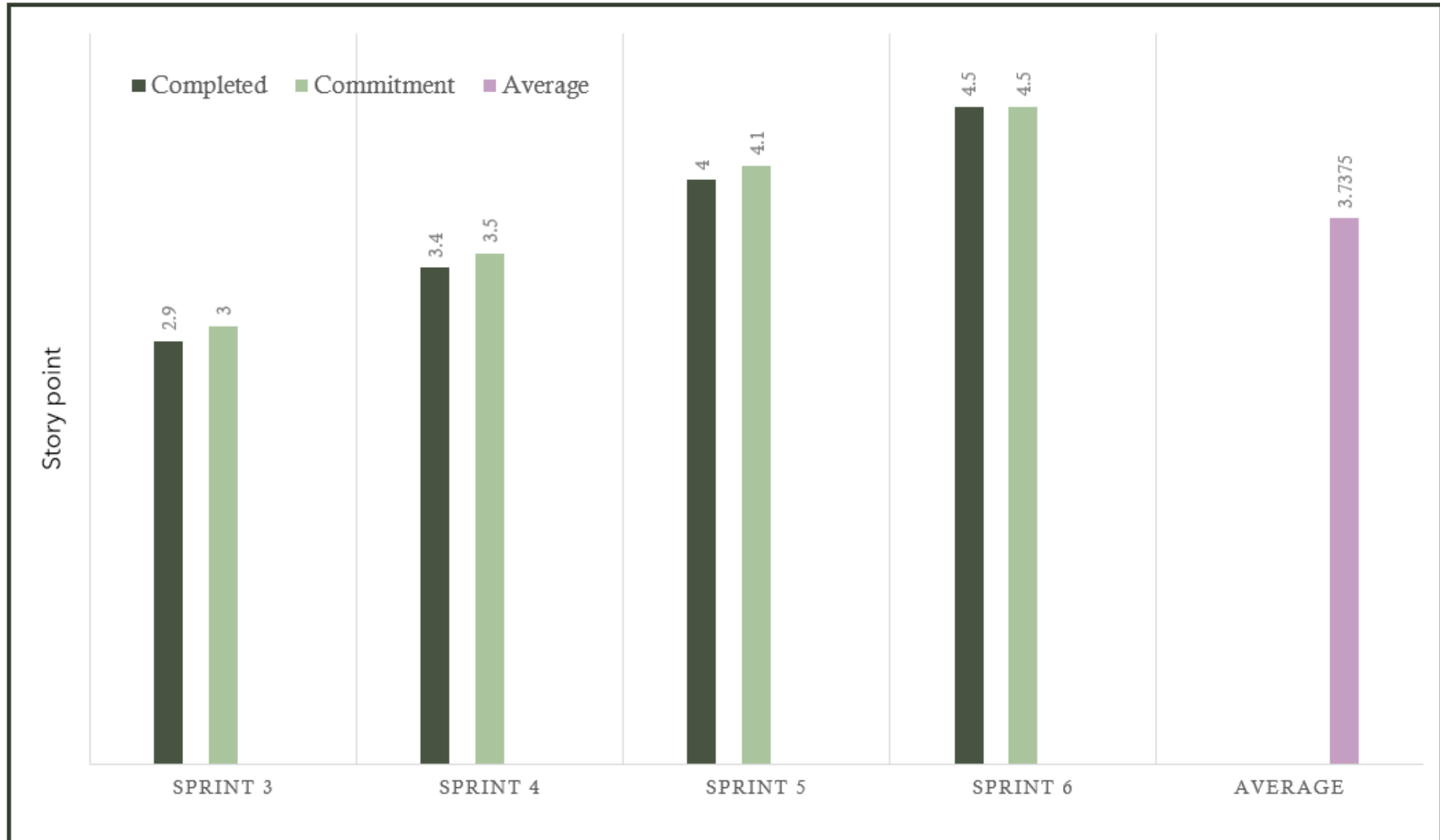
Metrics



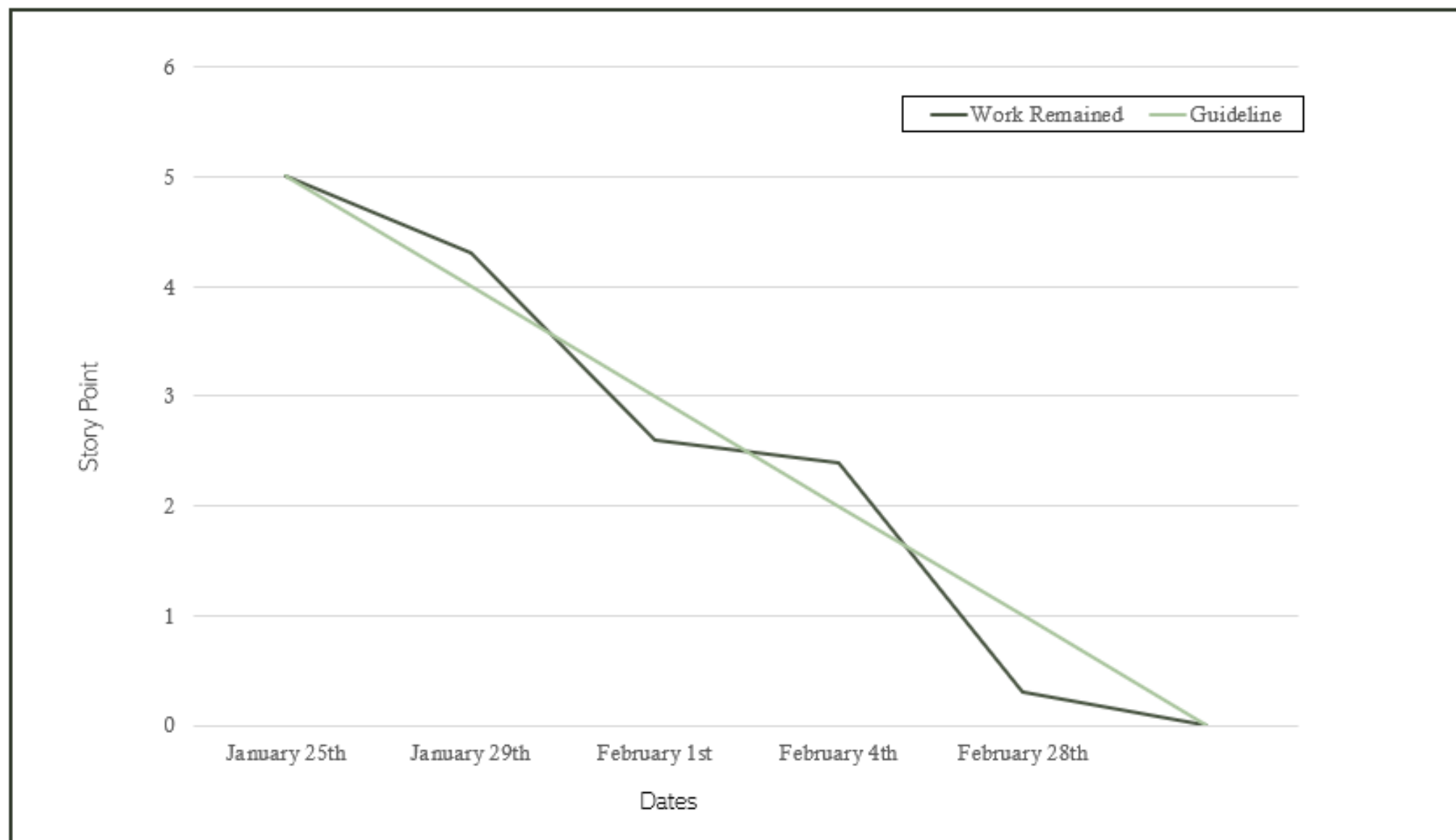
TEAM VELOCITY CHART



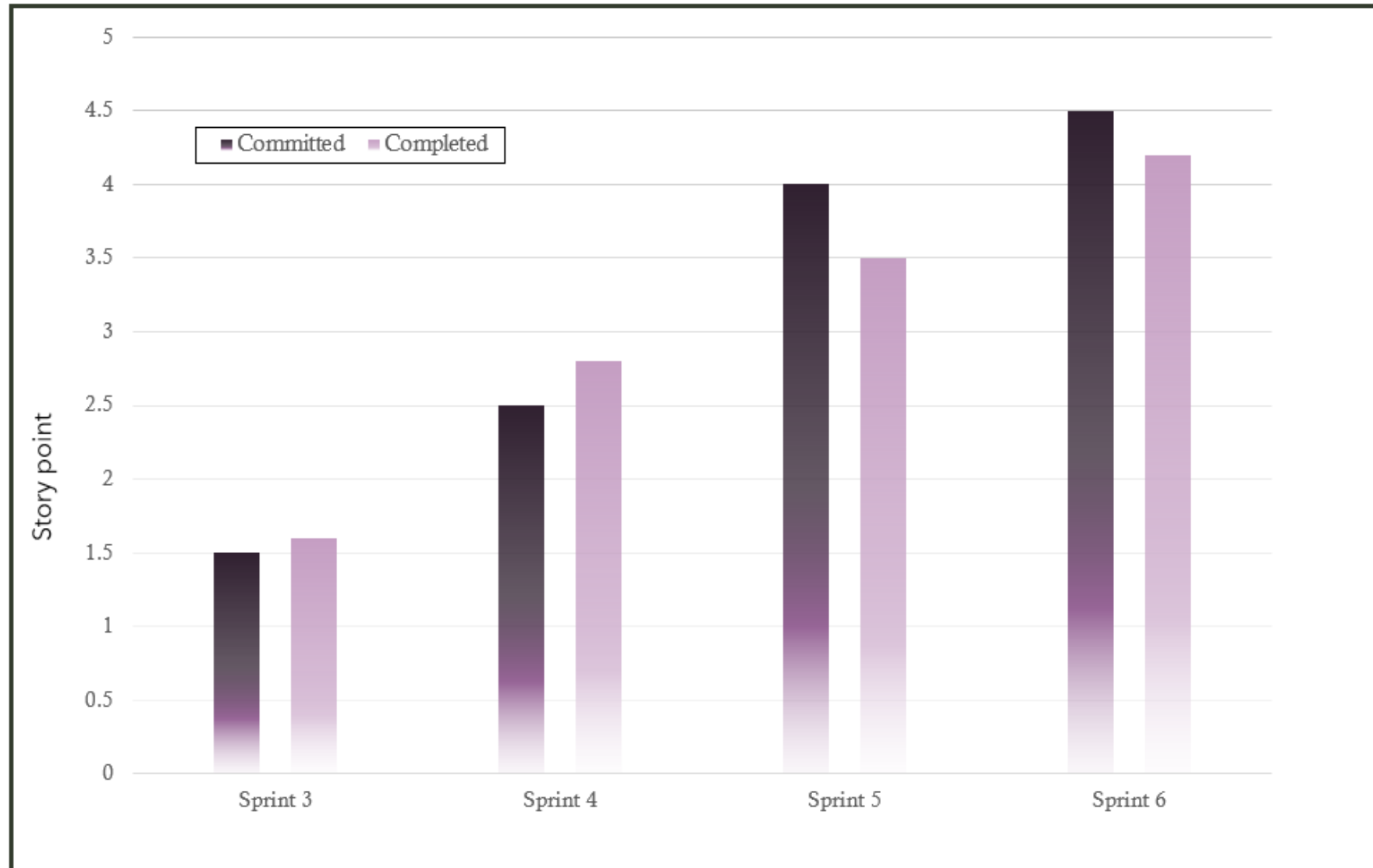
TEAMS HISTORICAL VELOCITY (AVERAGE)



BURN DOWN CHART



COMPLETED/COMMITTED RATIO



A top-down view of a team meeting. Several people are seated around a light-colored wooden table. They are using various devices: some have laptops open, others have notebooks or tablets. Their hands are visible, interacting with the devices. The scene is dimly lit, with the primary light source coming from the devices' screens and the ambient light of the room.

Retrospective

WHAT WENT WELL?



Most of the meetings went according to the scheduled manner and the team members complemented each other well.



The collaboration was great in our paired sessions



Priorities were clear and members took them into account.



Tasks were clearly defined and assigned on the first day of starting the sprints



We completed the sprint 6 deliverables on time



Teammates supported and helped each other to submit deliverables on time

WHAT NEEDS IMPROVEMENT?



Require more time to work on the new features that are added.



Couldn't be able to conduct required meetings as the teammate were busy with their own schedules



Avoid delaying the work and depending on the other teammates to complete their tasks.

NEXT STEPS



Need to improve time-management and spend more time to work on the deliverable.



Attend all the meets, provided in the WhatsApp group to share the work for the sprint and discuss any new updates about the project.



Each members need to take initiative and work on their part for sprint submission.



Team should focus on timely integration and deployment.

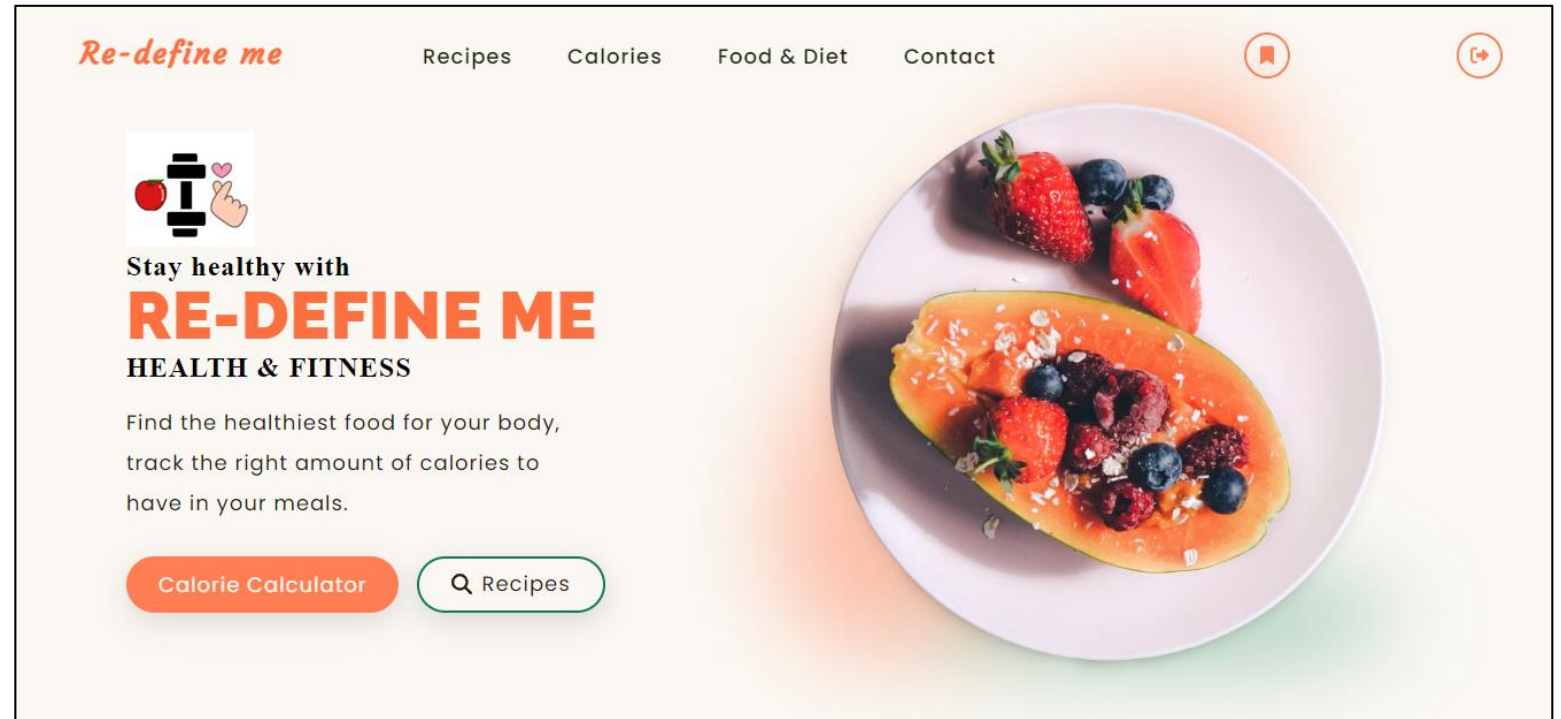
Stories planned and committed for Sprint 7

Key	Issue Type	Name	Status	Story point Estimate
SAT-20	Story	As a Customer, I want to view the list of all the available professionals So that I can have a list of them to choose when I need one.	To-Do	5
SAT-22	Story	As a Customer I want to give feedback for the professionals that I got Contacted for the service So that the other users get overview of the service.	To-Do	5
SAT-23	Story	As a customer I want to give rating and feedback for the application So that the review can be pinned to testimonials	To-Do	3
SAT-24	Story	As a customer I want to email the Customer service So that my issue gets resolved	To-Do	3

The background is a detailed architectural blueprint of a building floor plan, rendered in a light blue, semi-transparent style. It shows various rooms, corridors, and structural elements with technical annotations and dimension lines. The text "Project Demo" is overlaid on the left side of the image.

Project Demo

Slides App Screenshot



Slides App Screenshot

Calorie Calculator

This Calorie Calculator can be used to estimate the number of calories a person needs to consume each day.

Age

15 - 80

Gender

☐ male ☐ female

Height

130 - 230

cm

Weight

40 - 160

kg

Activity

Sedentary: little or no exercise



Clear values

▶ Calculate

Results

Maintain weight

2322

Calories / day

Mild weight loss

0.25 kg / week

2072

Calories / day

Weight loss

0.50 kg / week

1822

Calories / day

Extreme weight loss

1 kg / week

1322

Calories / day

Mild weight gain

0.25 kg / week

2572

Calories / day

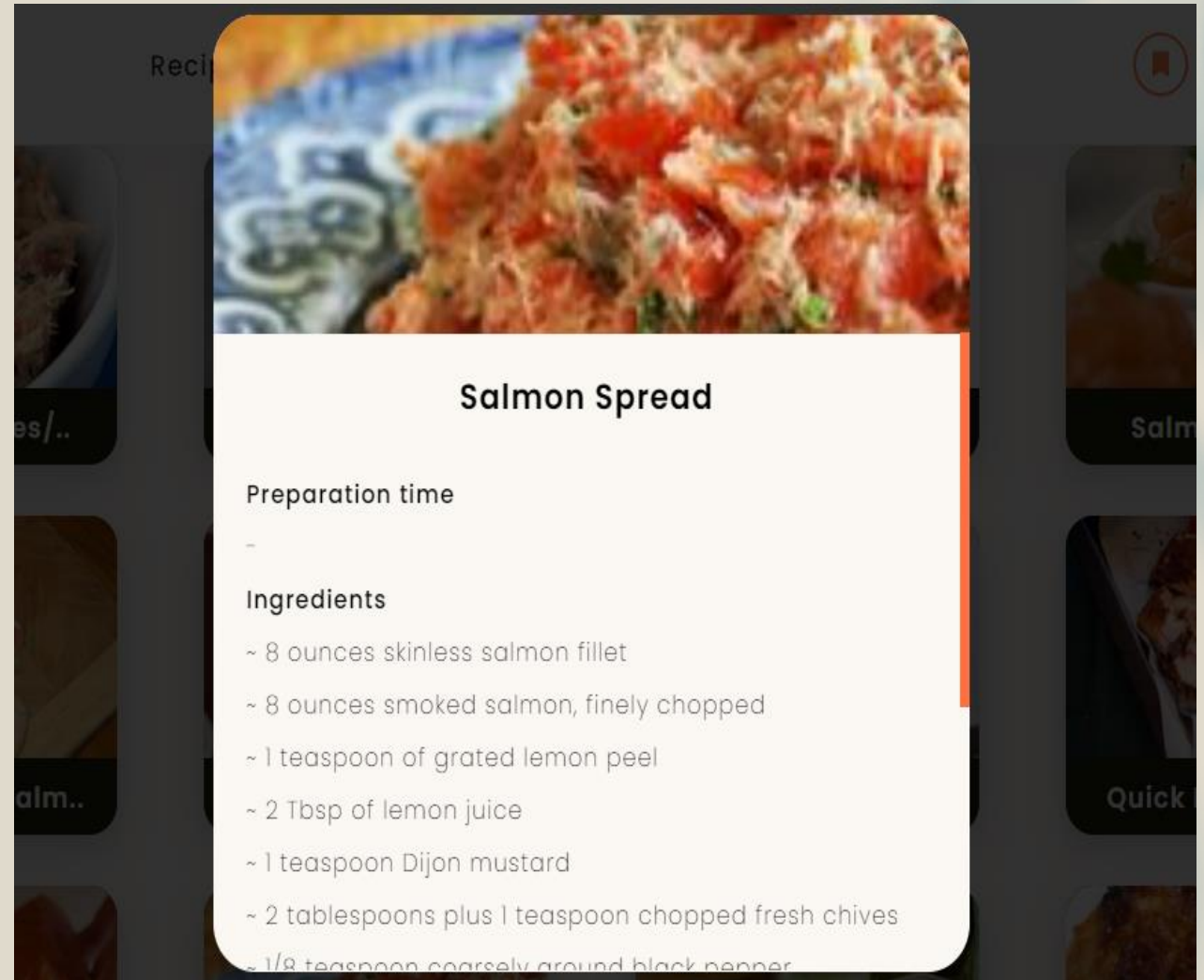
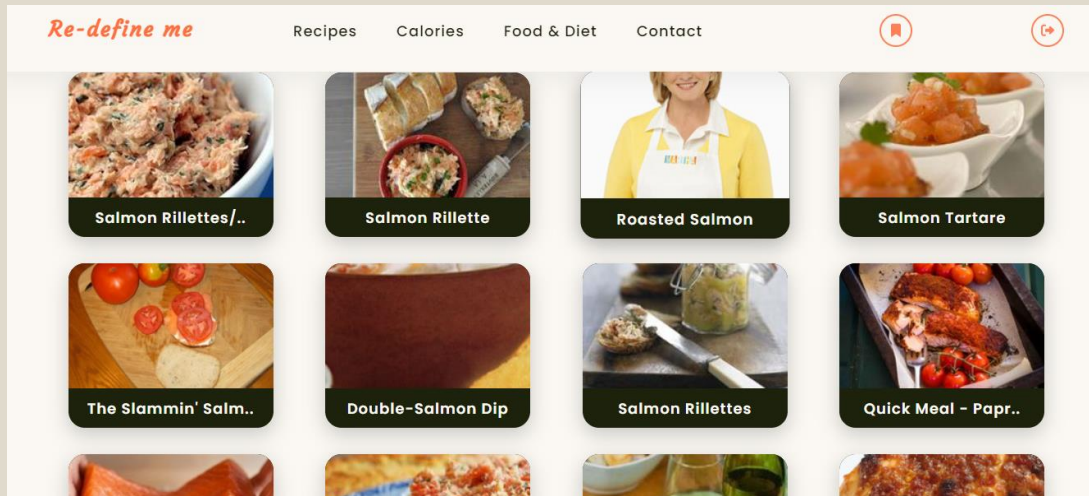
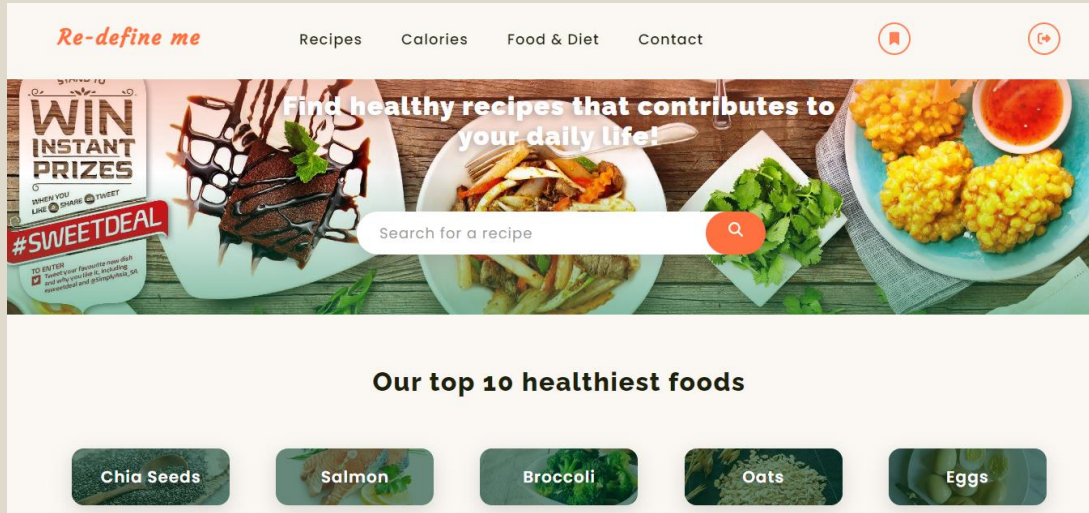
Weight gain

0.50 kg / week

2822

Calories / day

Slides App Screenshot



Slides App Screenshot

Re-define me Recipes Calories Food & Diet

Get in touch

email
youremail@email.com

name
your name

subject
Your subject

message
Enter your message here

Send ↗

Re-define me

Recipes

Calories

Food & Diet

Contact

Favorites

GitHub Link

Technical Paper Link

Installation Manual Link

API Documentation

Happy Eating

Tiny-Coders

