

## Assignment 3

Product Name	Applied Degree in Software Engineering (BDSE)
Qualification Name	Applied Degree in Software Engineering/ Higher Diploma in Software Engineering
Assignment Title	Develop Project Proposal
Module Name (BDSE)	Develop Project Proposal
Name	Chathushi Jayarathna

### Propose of this Assignment

This assignment is used for the following:

- Formative Assessment of learners in the Module 'Develop Enterprise Applications' of the Course 'Applied Degree in Software Engineering'.

In this Assignment, you must identify the business processes, data types and support mechanisms to develop the business intelligence solution.

This assignment gives you an opportunity to demonstrate your capabilities in the following areas:

- Produce software Design Document
- Choose an appropriate design and development methodologies with tools and techniques

### Scenario

You are currently working as a full-stack web developer in a leading enterprise solution provider called Unity One Solutions. The company wanted to implement the project "Meals on Wheels". Your manager, Mr. David assigned you to design the software. You are required to work with your teammates and submit the design proposal, development plan, and functional application.

MerryMeal is a charitable organization that prepares and delivers a hot noon meal to qualified adults living at home who are unable to cook for themselves or maintain their nutritional status due to age, disease, or disability. The service will be available Monday through Friday. Frozen meals will be provided to members who are not within a 10-kilometer radius of their outsourced kitchens

## Assignment 3

and support over the weekend. MerryMeal has partnered with several food service providers across the country to provide the quickest delivery possible.

The Application should allow

1. Members and Care givers registration with their requirements
2. Partners and Volunteers registration with their details
3. Fund raising through Donors / Supporters
4. Menu Planning and Preparation
5. Meal Delivery Management of partners and riders
6. Food Safety Management
7. Reassessment of need evaluation, and,
8. Management Information System for effective management

### 1) Develop a POC of the application

Here is the POC of the "Merry Meal" organization as per the module

#### ✓ **POC for registration module for user**

- Create a registration on form for users the use of a web development framework along with React
- Put in force primary validation on for the form fields such as name, address, contact number, e-mail, and another applicable information
- Create a database (MySQL) to store the member and caregiver information on
- Create a RESTful API to deal with the data from the form to the database
- Test the registration on module with the aid of filling the form with sample data and checking if the data is stored inside the database efficiently

#### ✓ **POC for to collect donations**

- Create a donation on form using a web development framework such as React.
- Implement basic validation on for the form fields including name, e mail, and donation amount
- Create a database to store the donor information and donation on details
- Create a RESTful API to handle the data from the shape to the database
- Check the fundraising module via filling the form with sample data and checking if the data is saved within the database efficaciously.

#### ✓ **POC for delivery Management**

- Create a web page to display the delivery schedule, the use of a web improvement framework inclusive of React.
- Create a database to store the meal transport information
- Create a RESTful API to handle the data from the form to the database

## Assignment 3

- Test the meal delivery control module by adding sample information and checking if the information is displayed correctly on the net web page

### ✓ **POC for Caregiver control**

- Create a web page that shows a listing of all registered caregivers the use of a web development framework along with React. The list have to encompass primary facts on about every caregiver.
- Create a seek capability that permits administrators and caregivers to effortlessly discover unique caregivers by way of looking for their names or other statistics
- Create a detailed view for each caregiver that shows more facts on about them.
- Create a form for administrators to edit the statistics on of existing caregivers.
- Create a shape for directors to delete caregivers from the device.
- Create a page for directors to assign deliveries to caregivers and replace the status of the deliveries.
- Create a RESTful API to deal with the records inside the database
- Create a control report that indicates the wide variety of deliveries made by means of each caregiver.
- Test the caregivers' management module by using adding, editing, and deleting pattern records and checking if the data is stored and displayed correctly.

### ✓ **POC for Menu planning**

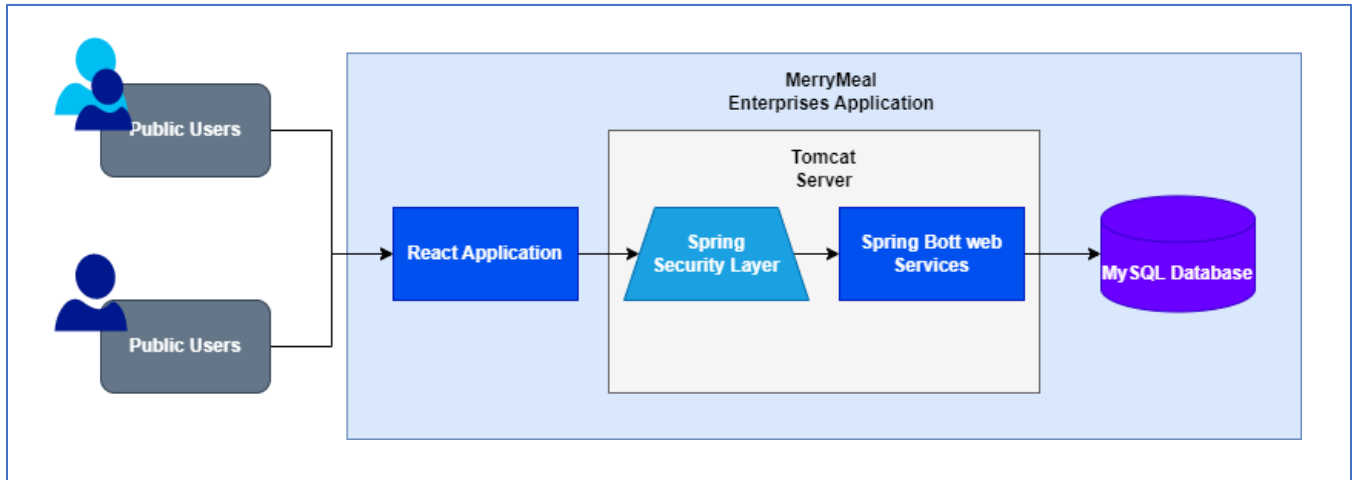
- Create a web page with the aid of React.js that show a listing of all registered meal options. in the list will be mentioned meal name, image, description
- Create a search functionality that lets in directors to easily locate specific food by using searching for their names.
- Create an in-depth view of every meal with their name and description.
- Create a form for an administrator to delete meals.
- Create a Res ul API to deal with the database.
- Create a control file that indicates the quantity of meals for this project.
- Test the menu planning module by means of including, editing, deleting sample information and checking if the facts is saved and displayed efficiently.
- Percent for food protection control
- Create a web page with React.js that displays all registered meals. within the list will be guys mentioned meal name, image, description and food reputation.
- Create a search functionality that permits volunteers and directors to easily discover unique meals by way of searching for meals.
- Create an in-depth view of every meal with its name, description, image and standing.

## Assignment 3

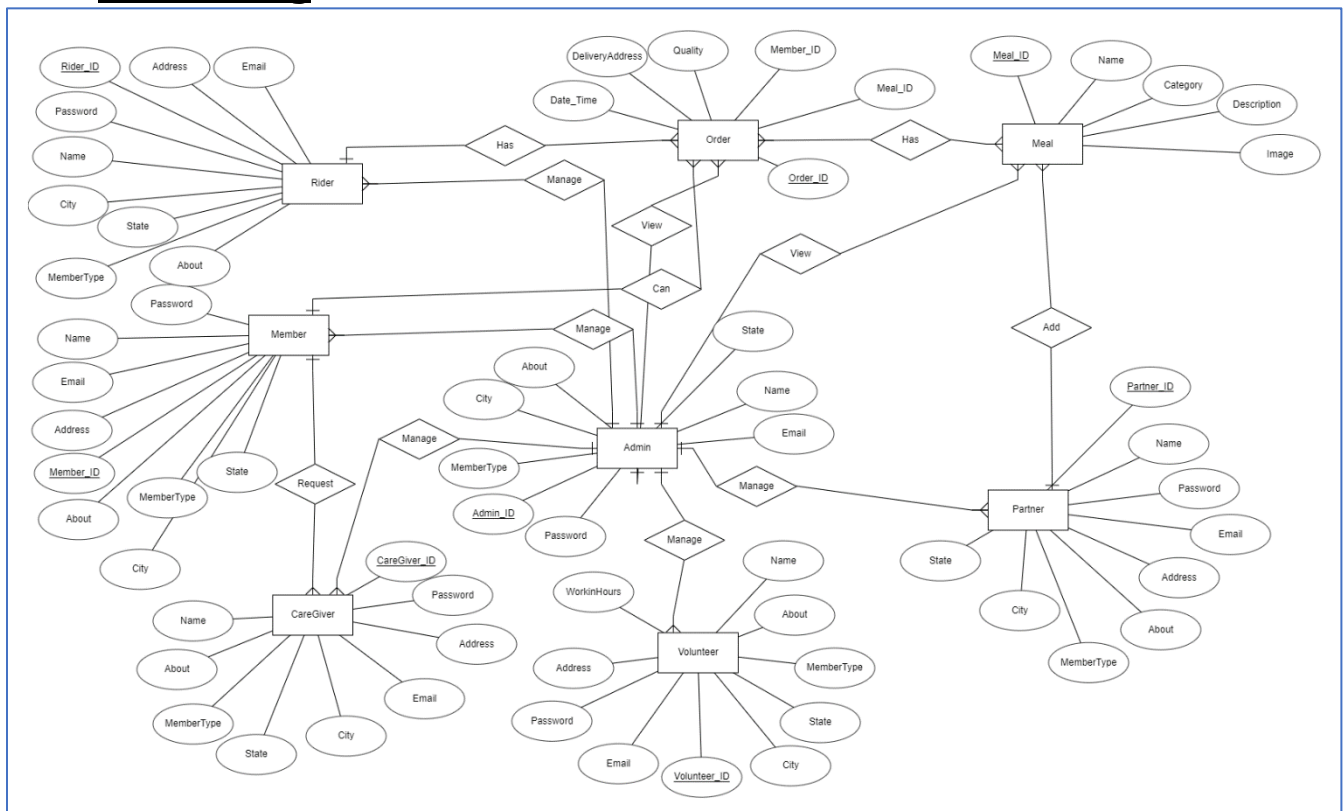
- Create a form for volunteers to offer status for food.
- Create a RESTful API to deal with the data from the shape to the database
- Take a look at the meals protection management to feature reput from volunteers.

## 2) Refine the design document

### Software Architecture



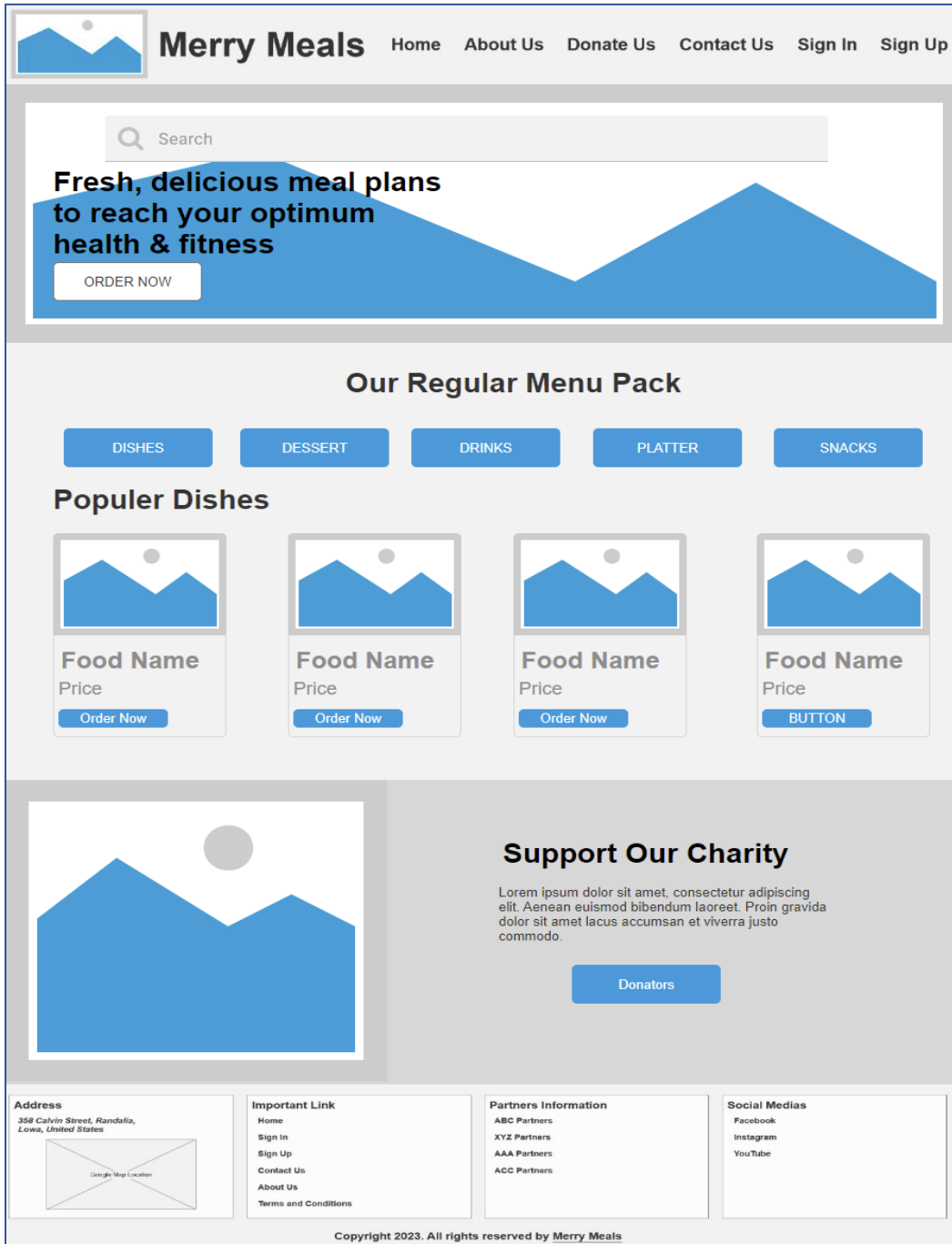
### ER Modelling



## Assignment 3


### Wireframes

#### 1. Landing Page



## Assignment 3

## 2. Login Page



# Merry Meals

[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Sign In](#)[Sign Up](#)

×


## Sign In

Don't have an account? [Sign Up](#)

Email


Password

☐ Remember Me[Forgot your password?](#)

 Sign In

Address

350 Calvin Street, Randolph,  
Iowa, United States



Important Link

[Home](#)[Sign In](#)[Sign Up](#)[Contact Us](#)[About Us](#)[Terms and Conditions](#)

Partners Information

[ABC Partners](#)[XYZ Partners](#)[AAA Partners](#)[ACC Partners](#)


Social Medias

[Facebook](#)[Instagram](#)[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

## Assignment 3

### 3. Registration

**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)

Profile Image

Name

Email

Member Type

Profile Image

Address

City

State

About Yourself

Update Profile

**Address**  
358 Calvin Street, Randalia,  
Iowa, United States



**Important Link**

[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**

[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

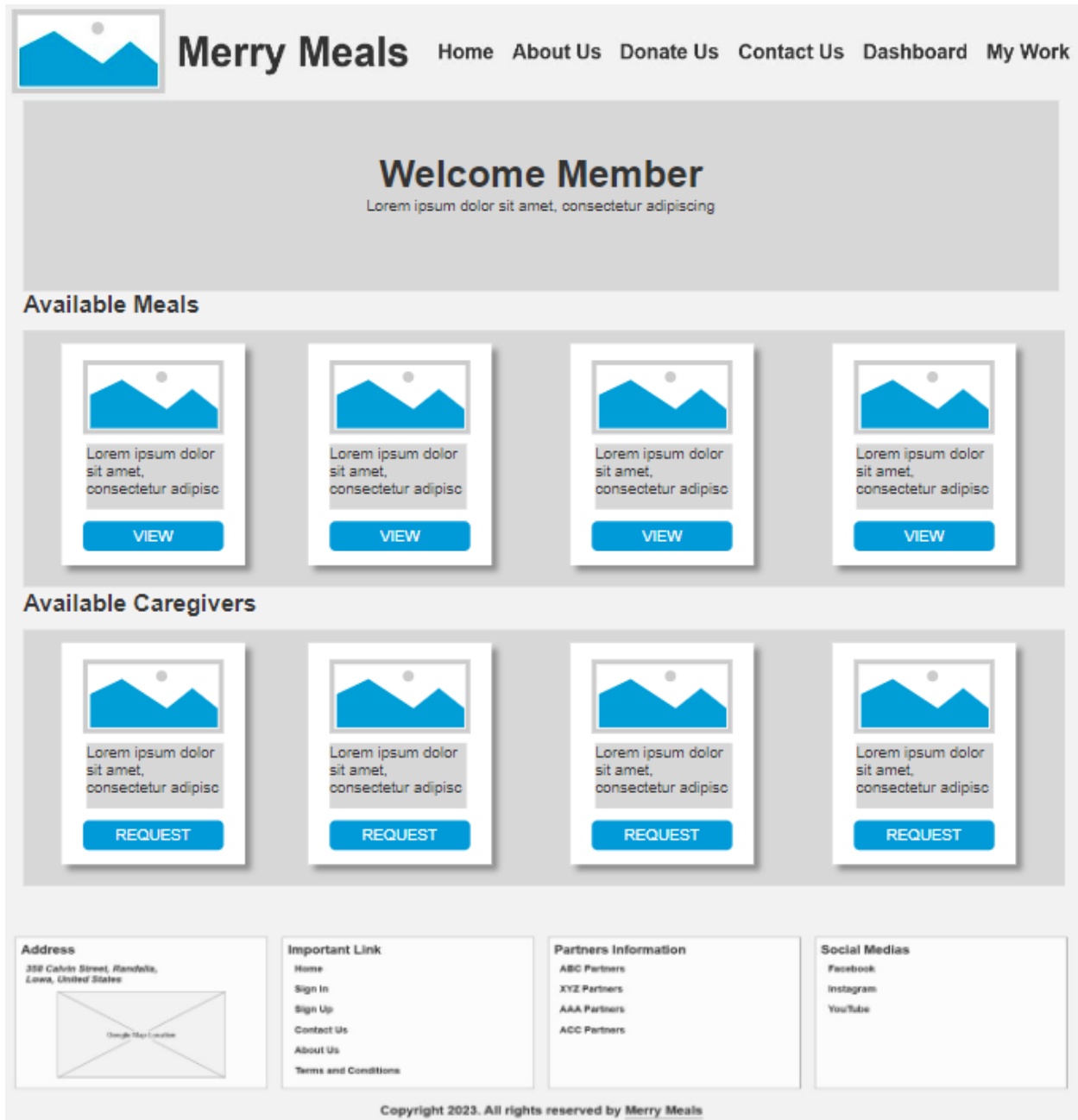
**Social Medias**

[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

## Assignment 3


### 4. Member Dashboard





## Assignment 3

### 7. Caregiver Dashboard

**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Dashboard](#)[My Work](#)

## Welcome Caregiver

Lorem ipsum dolor sit amet, consectetur adipiscing

### Set available Time Today

From

To

09:00

11:00

12:00

16:00

SET

### Caregiving Request

Jhon Bla, requested time

☐

☐

Jhon Bla, requested time

☐

☐


Jhon Bla, requested time

☐

☐

#### Address

358 Calvin Street, Randalia,  
Iowa, United States



#### Important Link

[Home](#)[Sign In](#)[Sign Up](#)[Contact Us](#)[About Us](#)[Terms and Conditions](#)

#### Partners Information

[ABC Partners](#)[XYZ Partners](#)[AAA Partners](#)[ACC Partners](#)


#### Social Medias

[Facebook](#)[Instagram](#)[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals


## Assignment 3

### 8. Donation Dashboard

**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Sign In](#)[Sign Up](#)

## Donation

### Heading 3



### Heading

Name


Email

Donation

**DONATE**

**Address**

358 Calvin Street, Randalia,  
Iowa, United States



**Important Link**

- [Home](#)
- [Sign In](#)
- [Sign Up](#)
- [Contact Us](#)
- [About Us](#)
- [Terms and Conditions](#)

**Partners Information**

- [ABC Partners](#)
- [XYZ Partners](#)
- [AAA Partners](#)
- [ACC Partners](#)


**Social Medias**

- [Facebook](#)
- [Instagram](#)
- [YouTube](#)


Copyright 2023. All rights reserved by [Merry Meals](#)


## Assignment 3

### 9. Rider Dashboard


**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Dashboard](#)[My Work](#)


All OrdersPending OrdersCompleted Orders

A3, #C, Randalia, Iowa


30 minutes left


Confirm Order

A3, #C, Randalia, Iowa


30 minutes left


Confirm Order

A3, #C, Randalia, Iowa


30 minutes left


Confirm Order

A3, #C, Randalia, Iowa

30 minutes left


Confirm Order

A3, #C, Randalia, Iowa

30 minutes left

Confirm Order

**Address**  
358 Calvin Street, Randalia,  
Iowa, United States



**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)


**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

### 10. Partner Dashboard

## Assignment 3



# Merry Meals

[Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)

## Welcome Partner

Lorem ipsum dolor sit amet, consectetur adipiscing

### Post New Prepared Meals

Post Your Meal Here

1

Name


Category

Description

Add Image


POST

### Posted Meals




Lorem ipsum dolor sit amet, consectetur adipiscing

VIEW




Lorem ipsum dolor sit amet, consectetur adipiscing

VIEW



Lorem ipsum dolor sit amet, consectetur adipiscing

VIEW




Lorem ipsum dolor sit amet, consectetur adipiscing

VIEW

#### Address

358 Calvin Street, Randallia, Iowa, United States



#### Important Link

[Home](#)  
[Sign in](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

#### Partners Information

[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)


#### Social Medias


[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

## Assignment 3


### 11. Admin Control panel for member, caregiver, Rider, Partner, Meal, Order

**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)

ADD NEW MEMBER

## Members

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE

**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  


**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by [Merry Meals](#)

**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)

ADD NEW PARTNER

## Partners

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE

**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  


**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by [Merry Meals](#)

## Assignment 3


**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)



ADD NEW CAREGIVERS

### Caregivers

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE


**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  



**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals


**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)



ADD NEW RIDER

### Riders

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE

**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  


**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

## Assignment 3

**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Dashboard](#)[My Work](#)



ADD NEW MEAL

### Meals

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE


**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  



**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)


Copyright 2023. All rights reserved by Merry Meals

**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Dashboard](#)[My Work](#)



### Orders

heading	heading	heading	heading	heading	heading
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE
					EDIT DELETE

**Address**  
358 Calvin Street, Randallia,  
Lowa, United States  


**Important Link**  
[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)


**Partners Information**  
[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**  
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

## Assignment 3

### 12. about Us

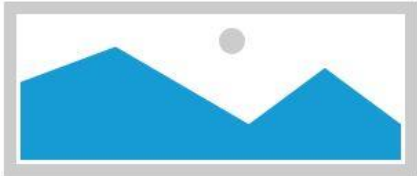
**Merry Meals** [Home](#) [About Us](#) [Donate Us](#) [Contact Us](#) [Dashboard](#) [My Work](#)

## About Us


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor.

### Our Mission

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar sic tempor.




### Meet Our Team...




#### Heading 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet.



#### Heading 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet.




#### Heading 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet.

**Address**

358 Cahvin Street, Randallia,  
Lows, United States



**Important Link**

- [Home](#)
- [Sign In](#)
- [Sign Up](#)
- [Contact Us](#)
- [About Us](#)
- [Terms and Conditions](#)

**Partners Information**

- [ABC Partners](#)
- [XYZ Partners](#)
- [AAA Partners](#)
- [ACC Partners](#)

**Social Medias**


- [Facebook](#)
- [Instagram](#)
- [YouTube](#)

Copyright 2023. All rights reserved by [Merry Meals](#)



## Assignment 3

### 13. Contact Us

**Merry Meals**[Home](#)[About Us](#)[Donate Us](#)[Contact Us](#)[Sign In](#)[Sign Up](#)

## Contact US

Contact No  
Location  
Email

### Message Us

Name


Phone/Email

Message

**Save**

**Address**

358 Calvin Street, Randalia,  
Iowa, United States



**Important Link**

[Home](#)  
[Sign In](#)  
[Sign Up](#)  
[Contact Us](#)  
[About Us](#)  
[Terms and Conditions](#)

**Partners Information**

[ABC Partners](#)  
[XYZ Partners](#)  
[AAA Partners](#)  
[ACC Partners](#)

**Social Medias**

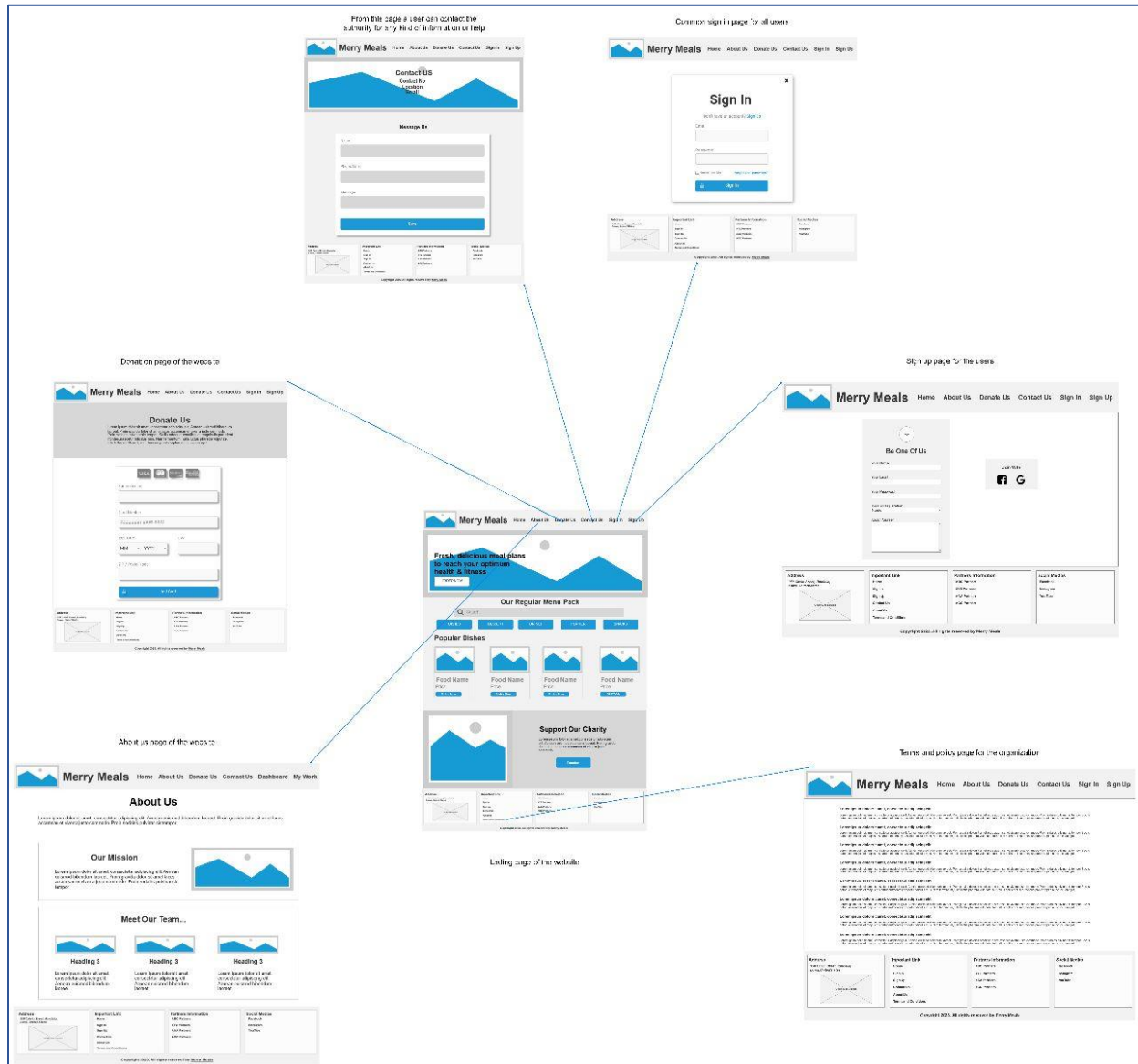
[Facebook](#)  
[Instagram](#)  
[YouTube](#)

Copyright 2023. All rights reserved by Merry Meals

# Assignment 3

## Storyboard

### 1. Landing Page



## Assignment 3

### 2. Member Login



### 3. Rider Login

## Assignment 3



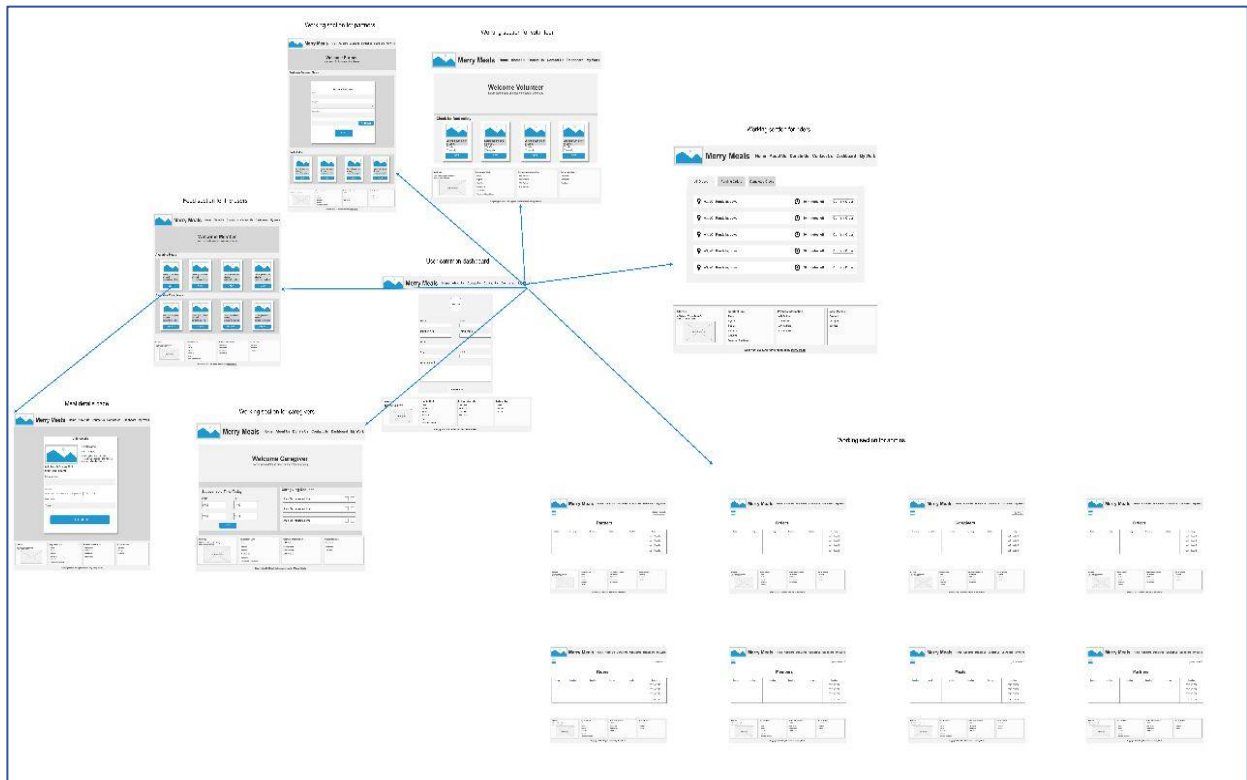
## 4. Partner Login

## Assignment 3



## 5. Admin Panel

# Assignment 3



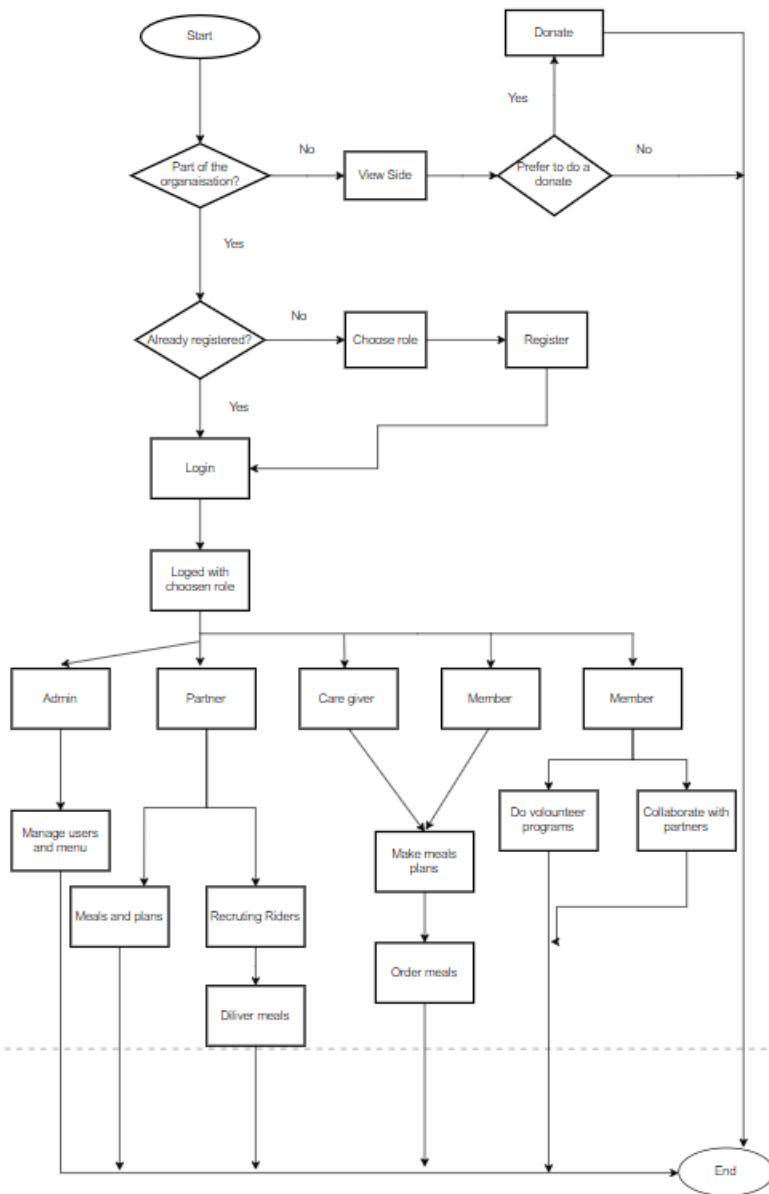
### Assignment 3

#### Decision Table

Condition	Action
user check in with the requirement	capture and store information within the database
Donors make a Donation	method the Donation and update the fundraising totals
Menu planning and preparation	permit authorized users to plot and put together the meal
Meal transport management	Implement measures to ensure meals protection such as temperature tracking, integration of meals proper or now not and expiration date management system.
Caregiver management	Permit members to request to the caregiver and the caregiver give a response on that.
Reassessment of need evaluation	Continuously evaluate members, and caregivers, and deliver to ensure they're all eligible for the service.

## Assignment 3

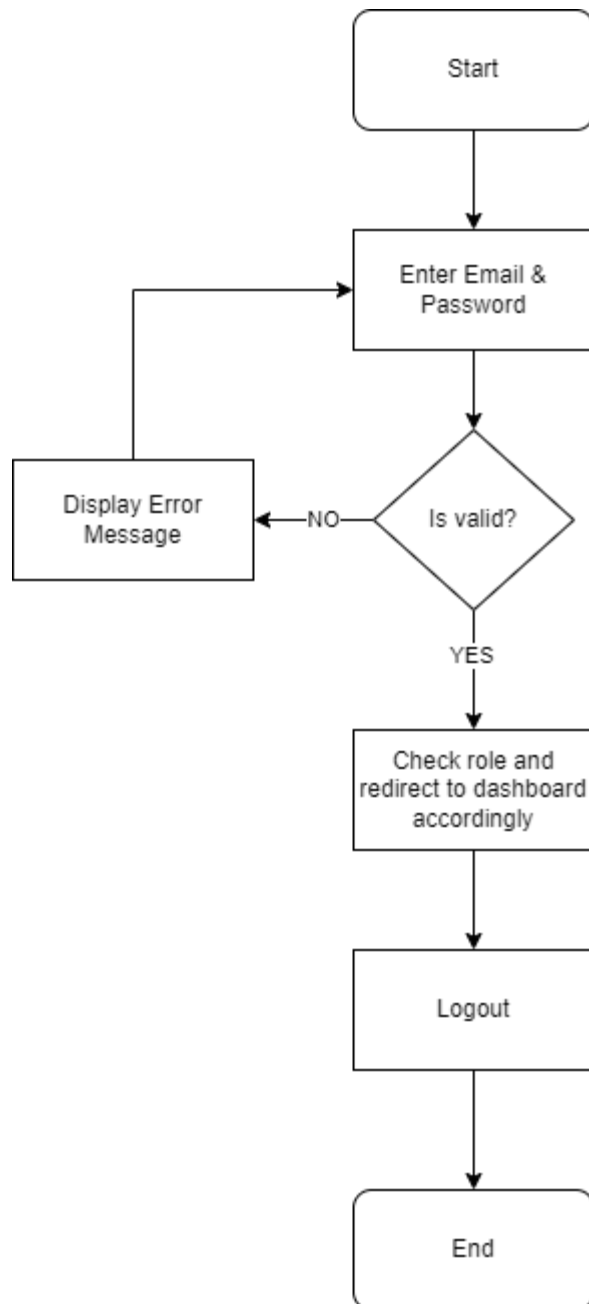
### Flow Chart





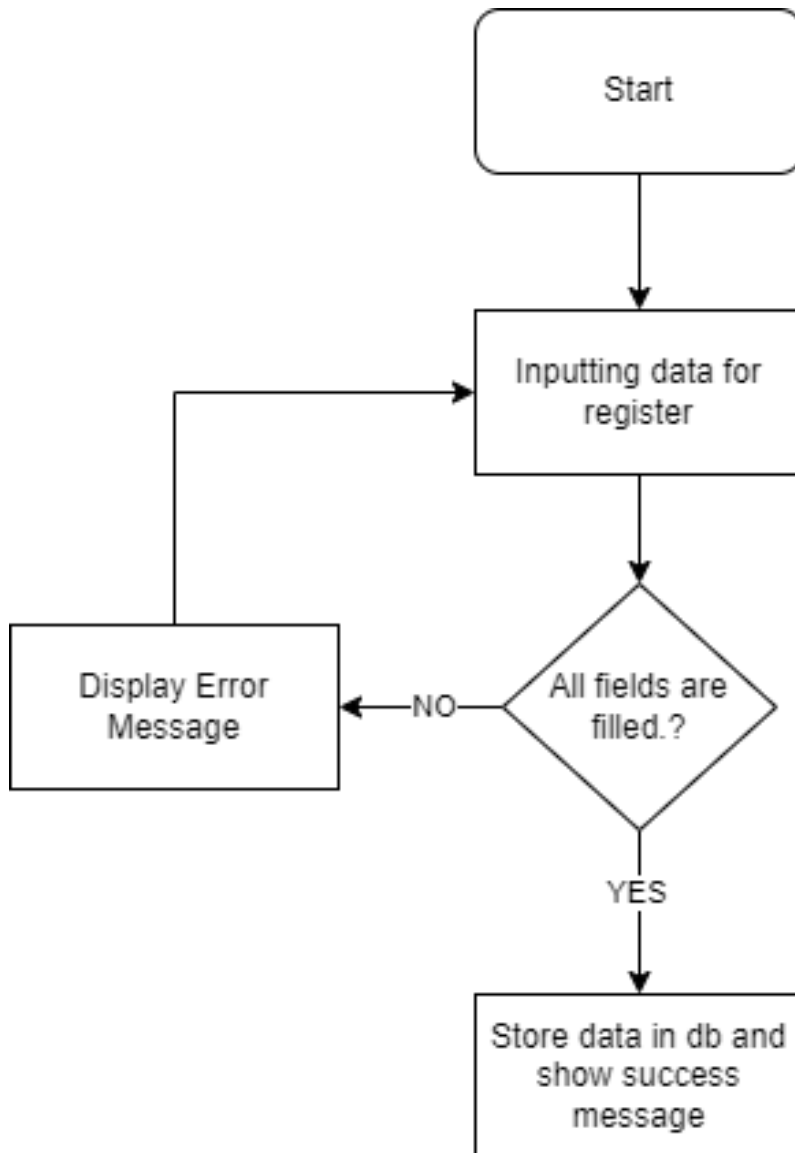
## Assignment 3

### 1. Login Flow



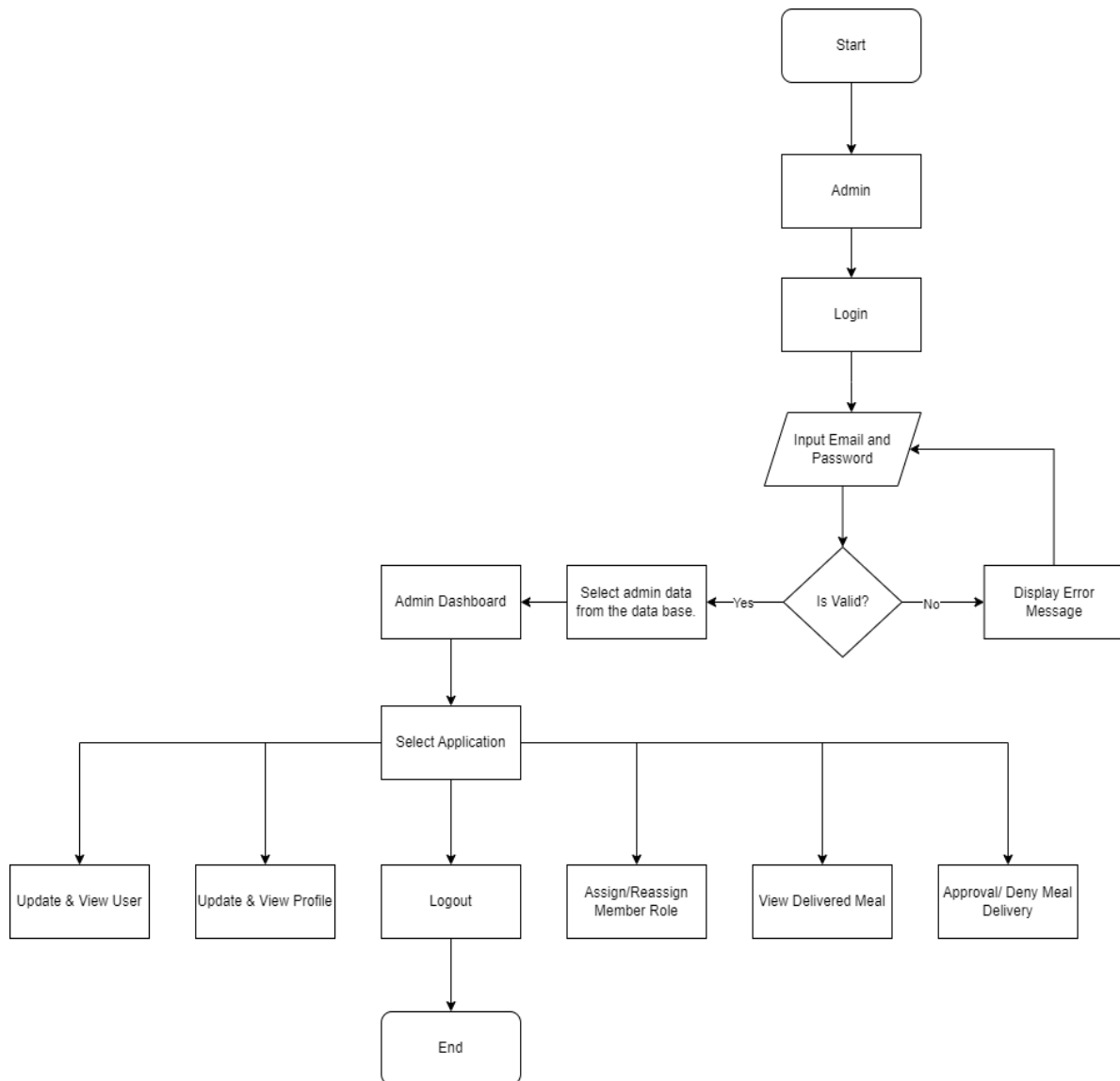
## Assignment 3

### 2. Register Flow



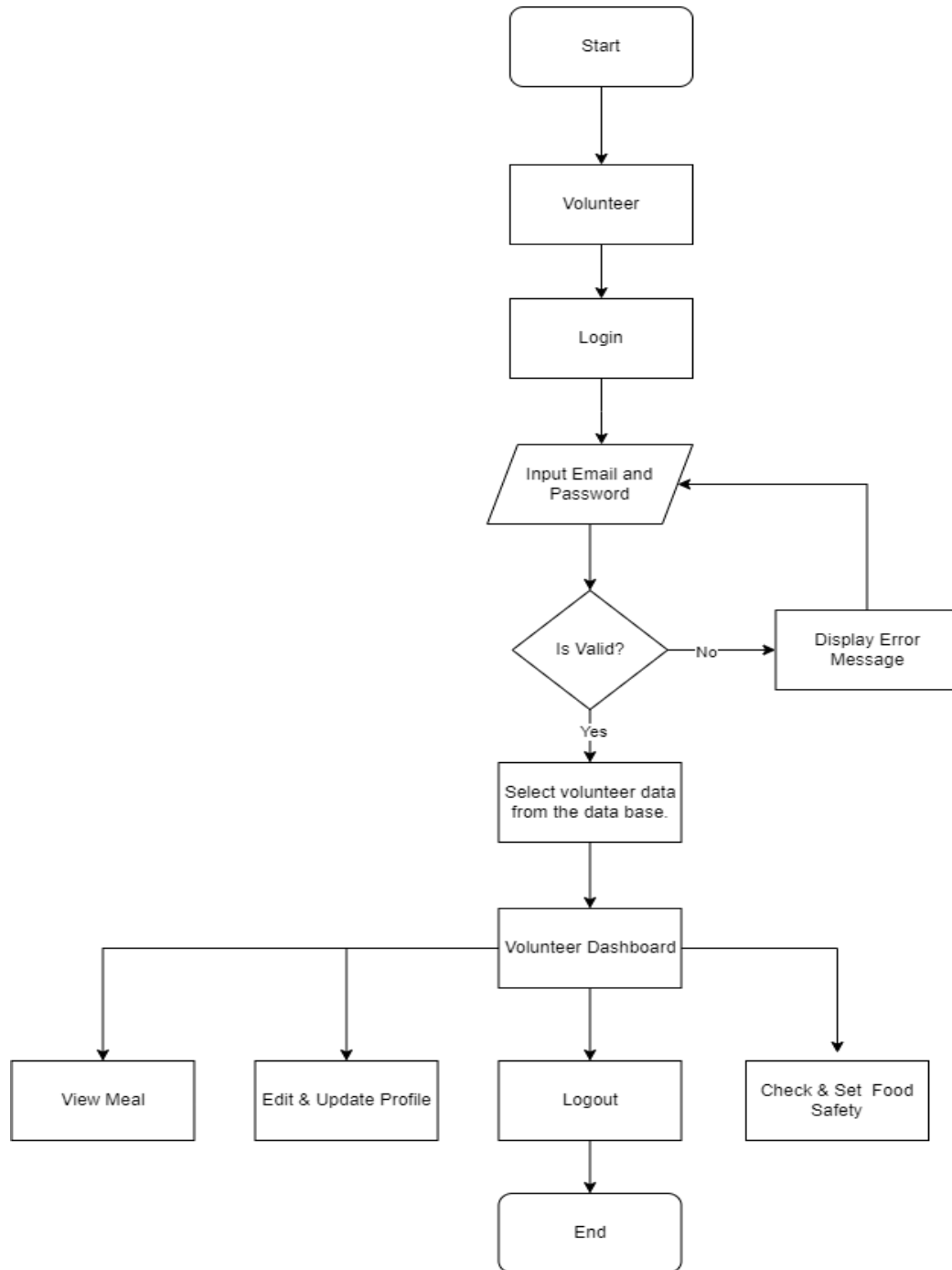
### 3. Admin Flow

## Assignment 3



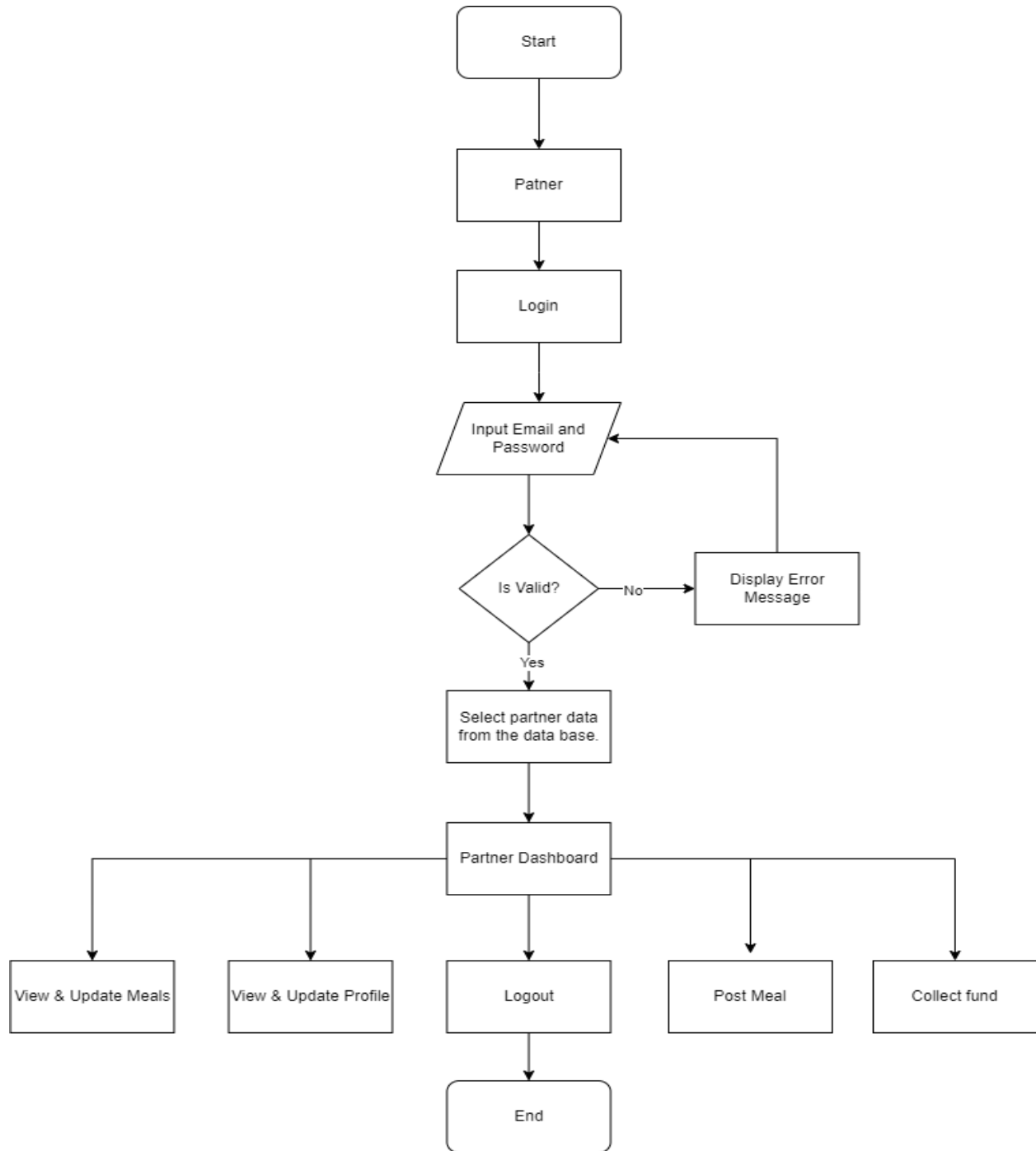
## 4. Volunteer Flow

## Assignment 3



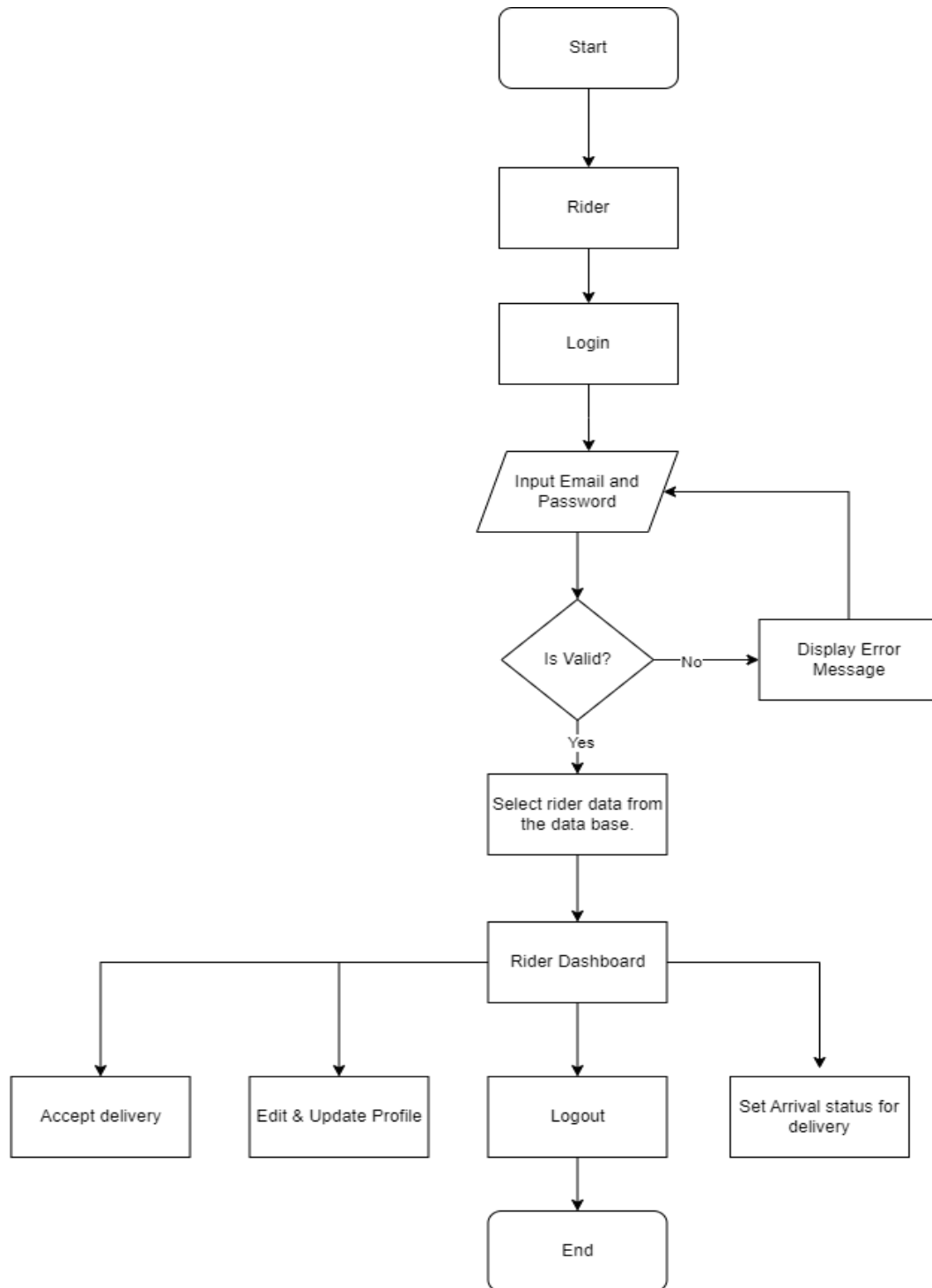
## 5. Partner Flow

## Assignment 3



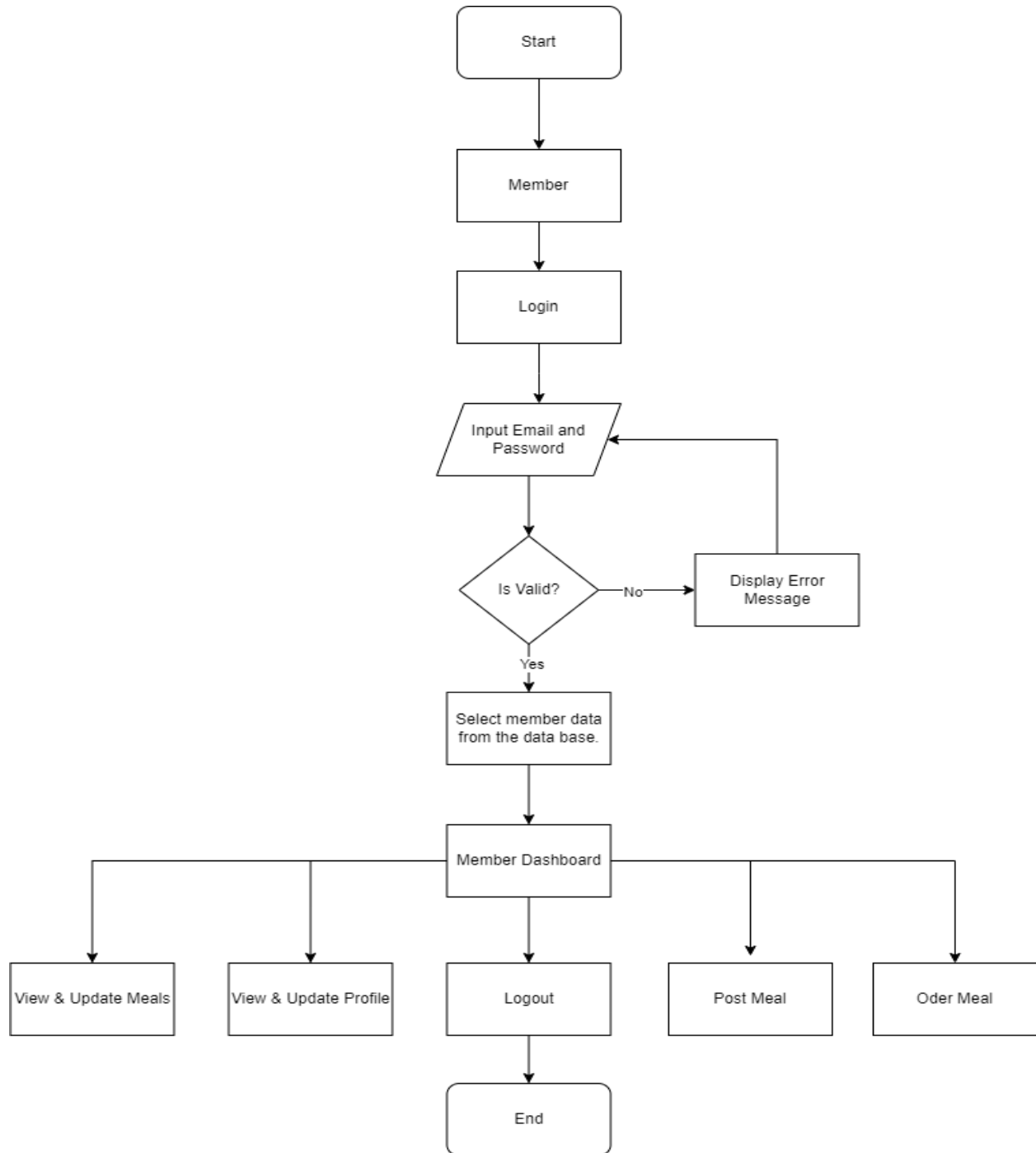
## 6. Rider Flow

## Assignment 3



## Assignment 3

### 7. Member Flow



## Assignment 3

### 8. Caregiver Flow

