

Meals on Wheels by Merry Meals

Project Title	Develop Enterprise Applications -DEA
Qualification Name (NICF)	Advanced Certificate in Software Applications (Development and Process)
Product Name	Merry Meals
Module Name (NICF)	Application Integration (API using Spring Boot & React JS)

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Project title	Develop Enterprise Application-DEA
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Learner declaration
I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.
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1) Introduction

1.1 Project Background

As a full stack developer in a leading enterprise solution provider called harmony One answers, the charitable organization known as "Merry Meal" has approached to implement a digital internet utility to turn their business paper- primarily based into digital-based. Mr. David, the manager, has assigned me to design the answers for the software. I, as a developer, will work collectively with or more applicants as an individual group to post a design inspiration, development plan, and functional utility.

MerryMeal has partnered with several meal provider carriers throughout the United States to deliver as quickly as feasible. And for this we get a variety of help from the specialists. The use of only the fine satisfactory elements for every of our food, we usually strive to tailor the best quality food to the marketplace assured by means of superiors. Additionally, considering proper dietary care, our group has been deployed to prepare a hot afternoon meal and supply it to folks that want it.

Merry Meal is a non-profit organization that launches and can provide a warm midday meal to certified adults who're unable to cook for themselves or balance their weight-reduction plan repute because of age, disorder, or disability at their personal homes. Meal services will simplest be available Monday through Friday. For individuals who are away greater than 10 kilometers radius from the outsourced kitchen might be introduced to frozen meals and be served at weekend. Furthermore, Merry Meal has serval meals carriers' partners throughout the United States of America in an effort to deliver quicker. As for now, Merry Meal is facing paper-based control problems wherein serving productiveness is gradual and complicated to manipulate as

well as organize. As developers, we will make contributions to organization solution programs to increase control pace precisely and organizable.

The Application should allow,

- Members and Caregivers registration with their requirements
- Partners and Volunteers registration with their details
- Fundraising through Donors / Supporters
- Menu Planning and Preparation
- Meal Delivery Management of partners and riders
- Food Safety Management
- Reassessment of need evaluation, and,
- Management Information System for effective management

1.2 Pain Points

- Cannot gain and save user facts consistently as a current business makes use of paper-primarily based control.
- Cannot get a confirmation message from a member if the meal is brought by means of the rider.
- Cannot able to build connections between each role of a user in a business.
- No management system from the admin side.
- Can't update menu listing from partner side for members because of paper-based.
- Donation lack of proof because of susceptible information management.
- Can't inform all individuals automatically if service is unavailable.
- Do now not have any automatic document system to review.

As a business analyst or a professional who desires to pursue a business analyst career, its miles required to realize approximately a number of those exceptional commercial enterprise analysis strategies

a) SWOT Analysis

SWOT analysis is a system for distinguishing and analyzing an organization's strengths, weaknesses, opportunities and threats. These words make up the SWOT acronym.

The essential objective of SWOT analysis is to build familiarity with the elements that go into settling on a business choice or laying out a business system. To do this, SWOT analyzes the inside and outside climate and the elements that can influence the suitability of a choice.

Organizations generally use SWOT analysis; however, it is likewise utilized by not-for-profit associations and, less significantly, people for individual appraisal. SWOT is likewise used to survey drives, items or ventures. For instance, CIOs could utilize SWOT to assist with making an essential business arranging layout or play out a cutthroat examination.

- **Strengths** – current operation excels at and what characteristic makes the company self-assurance in market competition, as an example, a strong brand, particular approach, specific loyal customer base.
- **Weaknesses** – pain points and inner elements which stop enterprises to lead in market competition, for example, a vulnerable brand, inconsistent technology support, do no longer follow a digital commercial enterprise approach.
- **Opportunities** – any opportunities or external elements that allow the company able to develop dramatically.
- **Threats** – external threats which can slow down regular commercial enterprise methods of employers.

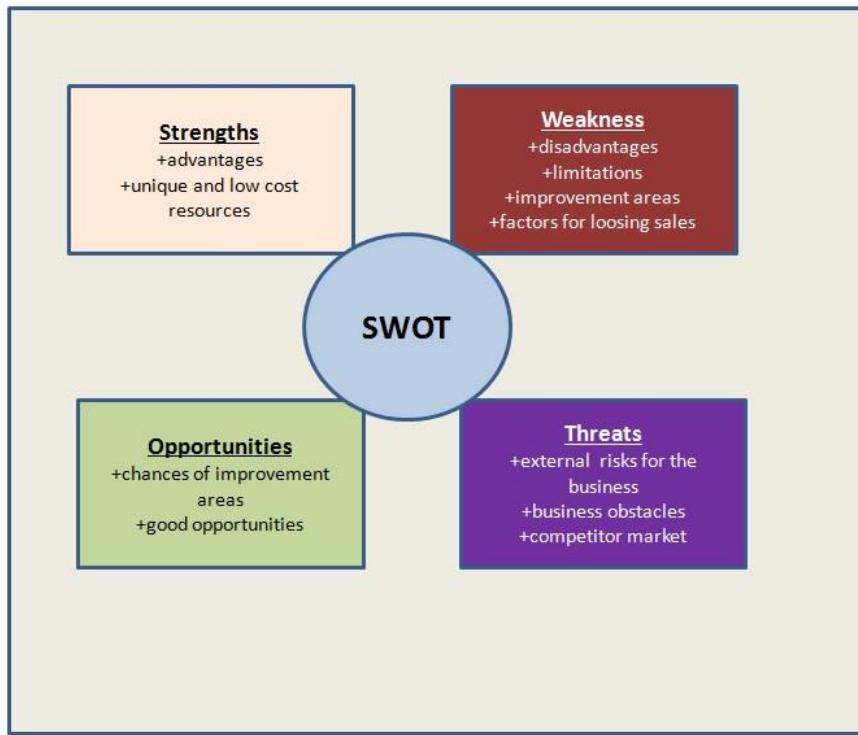


Figure 1: SWOT analysis

b) MOST Analysis

Most is short for mission, objectives, strategies, and tactics. Most analysis is used to enhance internal processes and company's way of life by way of analyzing the business enterprise's internal environment. Most analysis is extremely effective – and regularly empowers businesses with a new sense of capability and purpose. Most evaluation turns your vision and ambitions into sensible, plausible goals – and allows to construct successful businesses.

When you conduct most analyses, you provide clean targets to fulfill for every member of your crew within your business enterprise. At its middle, it enables you to ask the query, "how does this help us get to the next level?"

By way of doing this, it maintains your techniques relevant, justified, and centered at the goals which matter maximum. You may use most

evaluations not simply in your internal methods but to further your advertising and marketing, income, increase, and human assets

- Mission – whatever your goals are, mission statements for precise project need to be ambitious based totally on targets. Upon mission, analysis phase may be exceeded to subsequent stage to define objectives.
- Objectives – Unlike mission, objectives defined by way of crew have to be suitable in smart principle - this is unique, Measurable, achievable, realistic, and well timed. Ambiguous intention can be regularly hard and not possible to complete.
- Strategies – Strategy defines what techniques or tools could be used to acquire cutting-edge objectives set from the preceding stage. techniques may be complete, worried various kinds of strategies.
- Tactics – Tactics are a set of methods for sensible targets in the contemporary approach to gain commercial enterprise goal. processes are often a trustworthy procedure that crew members can execute.

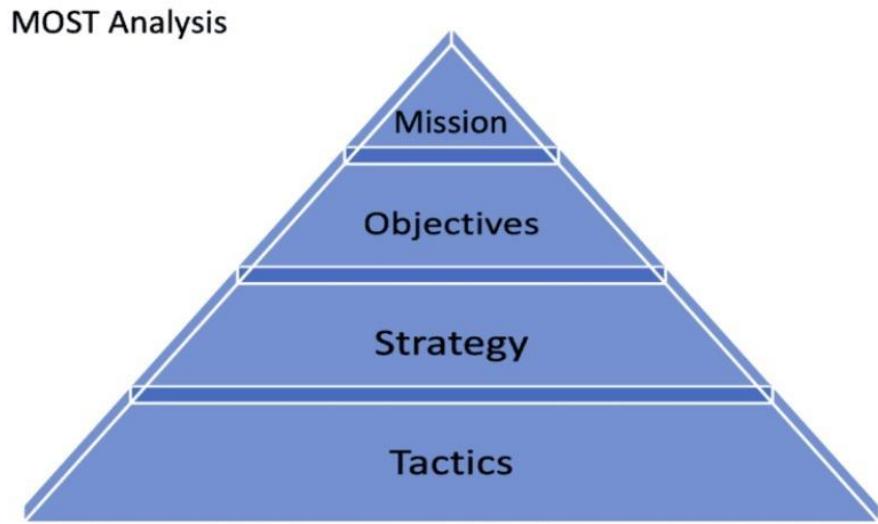


Figure 2: MOST Analysis

c) VMOST Analysis

VMOST analysis is a framework to investigate and evaluate whether an average method and helping activities are in alignment or no longer. It could be implemented for each current and destiny method. Number one benefit of VMOST evaluation is to break down a strategy into each core issue which crew individuals can smooth to devour. VMOST stands for vision, mission, objectives, method and tactics. With the assist of VMOST analysis, items which aren't in aligned can be investigated by means of every crew member and first-rate in shape position from business can be identified.

- Vision – vision is an assertion to engage and encourage team individuals which describe destiny of modern device. Venture statements cannot be shaped without imaginative and prescient.

- Mission – mission announcement describes high degree of what the team will do and the way to gain crew's vision.
- Objectives – targets are formidable, clean and massive. That is the level wherein task statements are turned into fact. Objectives are often massive item to attain.
- Strategy – method can be considered a small choice supporting described objectives. Tasks may additionally come after every objective. Crew has to reinvestigate those projects or strategies before definitely implementing it.
- Tactics – tactics are the implementation element of strategy plan. List all strategies and discover what is lacking in excessive stage to get in more element as a lot as viable.

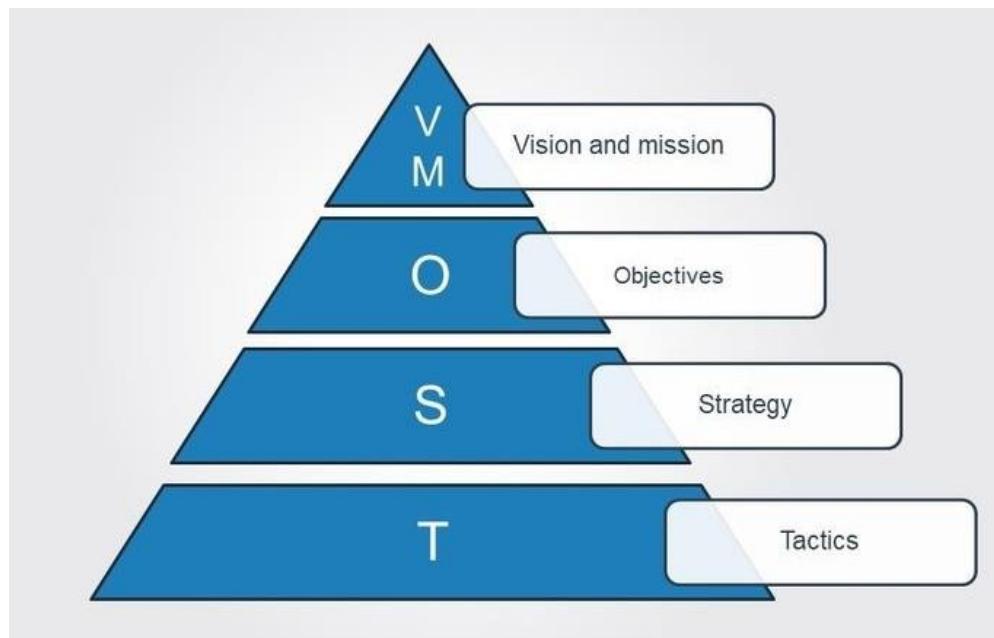


Figure 3: VMOST Analyze

d) PESTEL Analysis

PESTLE analysis is a fact-locating pastime on external opportunities and threats in an effort to have an effect on an agency's selection. It investigates six outside factors which influences on business enterprise.

- Political – region tax policy, trade restrict, political balance and environmental rules.
- Economic – inflation, wage, age distribution, interest rate, alternate rate, loan, unemployment (countrywide) and fee of living.
- Sociological – United States culture, work way of life, medical health insurance, population development rates, fitness, and protection.
- Technological – new technology, trending technology, a new idea in a digital location.
- Legal – import/export, get right of entry to substances, sources.
- Environmental – pandemics, worldwide warming, lack of sustainable sources, and different emergencies.



Figure 4: PESTLE analysis

Most suitable business analysis for a project

Most analyses could be used for the Merry Meal project. With maximum analysis, the missions can be defined from business statements. Merry meal targets may be defined and immediately transformed into techniques. Upon each strategy, more than one tactic could be deliberate for execution to develop the web application

SWOT Table Analysis of Meals on Wheels

Strength	Weaknesses
<ul style="list-style-type: none"> • Have already got clear goals. • Have several collaborative partners. • worker morale excessive 	<ul style="list-style-type: none"> • Services unable to reach members that live greater than 10 km far away from the organization. • No longer open full week. • Since its charity, it heavily is based on sponsorships and donations.
Opportunity	Threat
<ul style="list-style-type: none"> • Growing health consciousness in selecting meals. • Assisting in maintaining the mental nicely-being of the certified adults. • Open donation. 	<ul style="list-style-type: none"> • Driver safety. • Possible defect on food quality. • Possibility in which the meals will become terrible or rotten which may cost negatively on the members.

1.3.1 Project goal

- Gather all the information and create a system.
- Being able to understand information approximately the food items.
- Save money and time by way of buying food items.
- Easy to connect to the merry meal business enterprise.
- User can easily discover the meals items of the internet site
- Making the website user-pleasant and with cutting-edge design.
- Handing over the finalized project on time earlier than the time limits.
- Complete the necessities given by means of the purchaser.
- Meet all of the functional and non-practical necessities given by way of the consumer.

1.3.2 Project Objectives

- Produce software design document
- Choose the ideal design and development methodologies with tools and strategies
- Produce a useful business application
- Compare the performance of a business application toward its design

1.3.3 Project scope

- Listing the food items MerryMeal website gives with the everyday.
- Add an online selling system to promote for the meals items.
- Database should be MySQL.

1.3.4 Project out of scope

- Upload the comments alternative and rating system to get the user's thoughts.
- Develop FAQ pages to remedy the issues frequently requested by the customers.

2) Project Initiation

2.1 Enlist Project Stakeholders: - Merry Meal Organization

Stakeholders are individuals or companies who have a vested hobby within the fulfillment or failure of a assignment. Stakeholders in a mission can consist of the challenge manager, team participants, customers, shareholders, providers, and others who are without delay or in a roundabout way laid low with the project. Stakeholders play an important role in defining project goals, making choices, and providing resources to make sure the undertaking's success. Powerful stakeholder relationship management is critical to mission success due to the fact stakeholders can impact task effects and in the end decide the venture's achievement or failure.

Internal Stakeholders

No	Role	Description	Name
1	Project Manager	Implementing project management strategy to achieve the project objectives.	Arvinder Kaur
2	Senior Management	Planning and directing the work of team members.	Grace Sulthan
3	Manager	A leader who manages a specific team.	Mr. David
4	Resource Manager	Helping project managers with planning and allocating resources for a project.	Thomas Grande

5	Executive	Responsible for maintaining functional operation within their departments.	John Doe
6	Team Members	Employees who work as a team to handle all tasks assigned by manager.	Hashini, Chathushi, Tamim

External Stakeholders

No	Role	Description	Name
1	Customer	One who uses the application?	Qualified Adult
2	Sponsors	Helping with the project resources.	WHO
3	Governme nt regulators	Managing regulations based on the law or policy.	Singapore

2.2 Feasibility Study

a) Technical Feasibility

Each member of the team has the appropriate knowledge, organization have enough equipment to develop the project objectives on time.

- ❖ Hardware Requirements

No	Hardware		
	Type	Server	Client
1	Processor	Intel Xeon E5-2620 V4 2.1 Ghz	Intel Core i3 (i5 or i7)
2	Memory	32 GB	8 GB
3	Hard Drive	4 TB	1 TB
4	Network	Gigabit Network	Gigabit Network
5	Monitor	Monitor 24"	Monitor 24"
6	Keyboard	USB Keyboard	USB Keyboard
7	Mouse	USB Optical Mouse	USB Optical Mouse

❖ Software Requirements

No	Software	Functionality
1	Windows 11	Operating System
2	Bootstrap, CSS, React JS	Web Creation
3	MySQL	Database Server
4	Tomcat	Web Server
5	Axure	Design
6	Google Chrome, Mozilla Firefox, Edge	Web Browser

❖ Network Requirements

No	Network Device	Functionality
1	Switch	Cable connecting network from workstation
2	UTP Cable	Connecting Medium
3	RJ 45 Connector	Cable connecting network with LAN Card

❖ Skills & Human Resource

No	Requirements	Skills
1	UI/UX Designer	Axure
2	Web Developer	HTML, CSS, JavaScript, Bootstrap, React JS, Java, MySQL.

b) Operational feasibility

We have enough manpower to work on the project with the backup developer so there will be no issue in the future. Have all the hardware and software requirements to develop the application on time.

No	Requirements	Descriptions
1	Performance	Can serve 1.000 requests at the same time.

2	Information	More accurate statistics with an accuracy of five decimal locations.
3	Economy	Costs incurred are especially lower due to mistakes reporting can be minimized.
4	Control	System manage is performed by using limiting user rights.
5	Efficiency	More time-saving because the same information entry can be averted by way of the use of a database.
6	Services	The level of pleasure with services can be increased because the gadget presents records in a consistent layout.
7	Operational Feasibility Value	Locally based system (for organizations only), with Layout common as possible, so it has a value of 8.5.

c) Economic Feasibility

- Cost

Serial Number	Tools	Cost for Month (USD)
1	WIFI	\$6.00
2	Draw.io	\$10.00
3	Microsoft 365	\$9.99

4	Human Resources	\$200.00 for each member
	Total Cost	\$625.99

- Returns

As Merry Meal is a non-profit organization, the only gateway to collect fund is by donations which mean the return may be inconsistent. As a result, there is no way to measure and compare the matrix between costs and returns.

d) Legal Feasibility

The website meets the cyber law rules and other regulatory frameworks.

e) Schedule Feasibility

The project is very time consuming we are capable of doing the things on given time.

f) Communication Feasibility

We need to communicate with stakeholders. We need to get feedbacks from client additionally. We can use webex, zoom for our communication reason. There we are able to share our progress by way of viewing each different's work, if a person is caught with their module we are able to share our screen and troubleshoot.

g) Risk Feasibility

Risk can come and goes, and no one has control over it, but the team working on it has appropriate knowledge of handling each risk gently to

finish the project on time by resolving every unwanted, unaware trouble.

2.3 Design considerations (UI/UX)

Components	Accessed user types	Description
Responsive Navigation bar	Any users.	Navigation panel of the website
Common footer	Any users	Important Links, Social Media Links, Copyright section
Highlighted Information	Admin	Displays the total number of funds, users, volunteers, and delivered meals.
Login	Any users	Common login form for all users
Registration	Any users	User registration form
Landing Page	Any users	The common landing page of the website
Rider Dashboard	Riders	Rider Details
Admin Dashboard	Admin	Master Dashboard for admin
Partners Dashboard	Partner	Partners information
Caregiver Dashboard	Caregiver	Caregiver availability, Caregiver accessibility
Member Dashboard	Member	Order details and member details
Volunteer Dashboard	Volunteer	Check for food safety, Setting status of food safety
About Us	Any Users	About us details
Contact Us	Any Users	Contact us details
Terms & Conditions	Any Users	Terms & conditions of the company

2.4 Dependencies

- Logical dependencies
- Resource dependencies
- Preferential dependencies
- External dependencies
- Cross-team dependencies

2.5 Project Assumptions

- Outsourced kitchens should have legally recognized food licenses.
- Rider should have a valid riding license.
- Member should confirm their age, disease, or disability.
- Members and caregivers should confirm their location. (To check if they're in 10km radius of outsourced kitchens.)
- Volunteers – Check the food safety
- Caregivers – Take care of members

No	Categories	Descriptions
1	Payment	The meals on Wheels website is supported by third party for payment Transactions.
2	License	Outsourced kitchens have FSSAI Approval Licenses.
3	Schedule	Duration of the development is starting from January 17, 2023 until February 06, 2023.

4	Resource	Quit users may be available to check all through the time they agree to.
5	Finance	The investment to develop the project might be dealt with by the supervisor.
6	Scope	The project scope will no longer change as soon as the stakeholders sign off on the scope statement.
7	Methodology	Challenge will use waterfall method in the course of the improvement system.
8	Technology	The group will write the solution with SpringBoot & React Js.

2.6 Project Constraints

- Project must be completed within 25 days
- At least 4 members have to be available for the development
- Network has to be accessible.
- Browser application must be installed.
- Should have general knowledge about technology.
- At least 3 backup members needed
- Testing team will be constant with 2 members

2.7 Project Milestones

Milestone ID	Milestone	Issue Date	End Date
01	Planning and gathering	13/01/2023	18/01/2023
02	Risk analysis	19/01/2023	20/01/2023
03	Development and Integration	21/01/2023	03/02/2023
04	Evaluation	03/02/2023	06/02/2023

2.8 Project Deliverables

- Create project proposal
- Create Development plan for the MerryMeal Website Project.
- Design the wireframe, storyboard, and prototype.
- Design the database structures.
- Develop Meals on Wheels website.
- Project Report
- Project Presentation
- Source Code

2.9 Functional Description

S. No	User Types	Role based access
01	Member	Must be able to register, to login, to view meal, to select and request the meal, to see /update profile, can see the accepted

		message of meal request. Have access to about us, contact us, terms and conditions, feedback pages.
02	Care giver	Must be able to register, to login, to view meal, to select and request the meal, to see /update profile, can see the accepted message of meal request, have access to about us, contact us, terms and conditions, feedback pages.
03	Partner	Must be able to register, to login, can able to add meal, can update the availability of meals, able to see requested meals, to see /update profile, can accept or deny the meal request, have access to about us, contact us, terms and conditions, feedback pages. Able to menu planning and preparation.
04	Volunteer	Must be able to register, to login, to see /update profile, able to see requested meals and details
05	Rider	Must be able to register, to login, to see /update profile, able to see the delivery details of meals, can update the delivery status of the meal, can see the pending deliveries, have access to about us, contact us, terms and conditions, feedback pages.
06	Donor	Able to donate money for the organization, have access to about us, contact us, terms and conditions, feedback pages.

07	Admin	Able to menu planning and preparation, accept the meal request, able to check quality assurance of partner kitchens, able to see list of donations, able to regresses the members and care givers.
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Non-Functional

S. No	Requirements	Purpose
	Usability requirement	An interface should be simple to understand and remember how to use.
	Serviceability requirement	The speed with which the product can be put into service when it breaks down, tasks such as monitoring the system and repairing problems that arise
	Manageability requirement	To ensure product development goals are successfully met.
	Recoverability requirement	To repair or replace system components predictably, with minimum work effort, and with no loss or disruption of business functionality.

	Reliability requirement	To ensure the system can avoid, detect or tolerate faults in the software and ensure that these faults do not lead to system failure.
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2.10 Risk Analysis and Evaluation

a) Identify Possible Areas of risk in the application development process

- Internal risks
 - Technological risks
 - Schedule risks
 - Cost risks
 - Performance risks
- External risks
 - Economic risks
 - Natural risks
 - Political risks
 - Market dangers
 - Human issue risks

b) Analyze and Evaluate

- **Feedback Gathered**
 - Links are not working
 - UI needs to improve
 - System response could have better
 - Icons or Buttons are not well visible
- **Next Planning**
UI will improve

The navigation panel would be simple
Response time would be minimized

c) Prepare Risk Matrix

S. No.	Risk Type	Risk description	Risk Likelihood	Risk Impact
01	Schedule Risk	The deadline got extended due to doubtful requirements.	Very unlikely	Very high
02	Tech Risk	Server and software program issues that cause device downtime.	Unlikely	Very High
03	Cost Risk	The amount allocated for assignment is insufficient.	Likely	High
04	Performance Risk	Can't reach to expected performance and quality.	Likely	High
05	Economic Risk	Cost of undertaking is exceeded due	Possible	Low

		to increment of Doller charge.		
06	Political Risk	Modifications in taxes and import, export legal guidelines.	Unlikely	Low
07	Environmental Risk	Hurricanes, Tsunami	Unlikely	High

		Consequence				
		Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	5 Almost certain	Moderate 5	High 10	Extreme 15	Extreme 20	Extreme 25
	4 Likely	Moderate 4	High 8	High 12	Extreme 16	Extreme 20
	3 Possible	Low 3	Moderate 6	High 9	High 12	Extreme 15
	2 Unlikely	Low 2	Moderate 4	Moderate 6	High 8	High 10
	1 Rare	Low 1	Low 2	Low 3	Moderate 4	Moderate 5

d) Risk Response Analysis

S. No.	Risk Type	Risk description	Risk Response Plan
01	Schedule Risk	Deadline got extended due to doubtful requirements.	Explain the uncertain requirements to customers and get deadline extended.

02	Tech Risk	Server and software program issues that cause device downtime.	Need to gear up with backup equipment.
03	Cost Risk	The amount allocated for the assignment is insufficient.	Economizing resources to reduce costs
04	Performance Risk	Can't reach to expected performance and quality.	Re-determine the source code and improve the performance by simplifying it.
05	Economic Risk	Cost of undertaking is exceeded due to increment of Dollar charge.	Have a look at the future monetary and then change the decisions according that.
06	Environmental Risk	Hurricanes, Tsunami	paying attention to the climate forecast.

3) User and System Requirements

- **User Requirements:** application feature which application will be providing.

Application features	Description
Multiuser Registration	The website allows many users to login and sign up. Users are members, caregivers, partners, riders, volunteers, donors and admin. After sign up and login users navigate to their very own dashboards for in addition processing.
Fundraising through Donors/Supporters	Users have an extensive preference of online charge options with the assist of integration of many charge channels, so as to be helpful in elevating more funds. The campaign page consists of upcoming campaigns to help entice volunteers and raise money.
Meal Delivery Management, and partner & rider process	The partner can get updates on how many meals they have created according to day and the information can be displayed on their dashboard. The rider will receive the address of the member and the place of the partner who can collect the meals as well as what the meals is. He takes meals to the relevant places (addresses).
Food Safety Management	There are food protection regulations and certificates. That page may be considered by using all users. The link to that page will be provided on the home web page where every user can view it.
Reassessment of need evaluation	This capabilities allows the member or caregiver to notify the admin if the service is needed inside the destiny. Also they could place opinions and notice reviews.

Management information system for effective management	Admin can manage the data of many users. Additionally he can update the menu by weekly.
---	---

3.1. SDLC (Software Development Life Cycle)

Software Development life cycle (SDLC) is a spiritual model used in project management that defines the stages include in an information system development project, from an initial feasibility study to the maintenance of the completed application.

There are different software development life cycle models specify and design, which are followed during the software development phase. These models are also called "**Software Development Process Models.**" Each process model follows a series of phase unique to its type to ensure success in the step of software development.

Here, are some important phases of SDLC life cycle

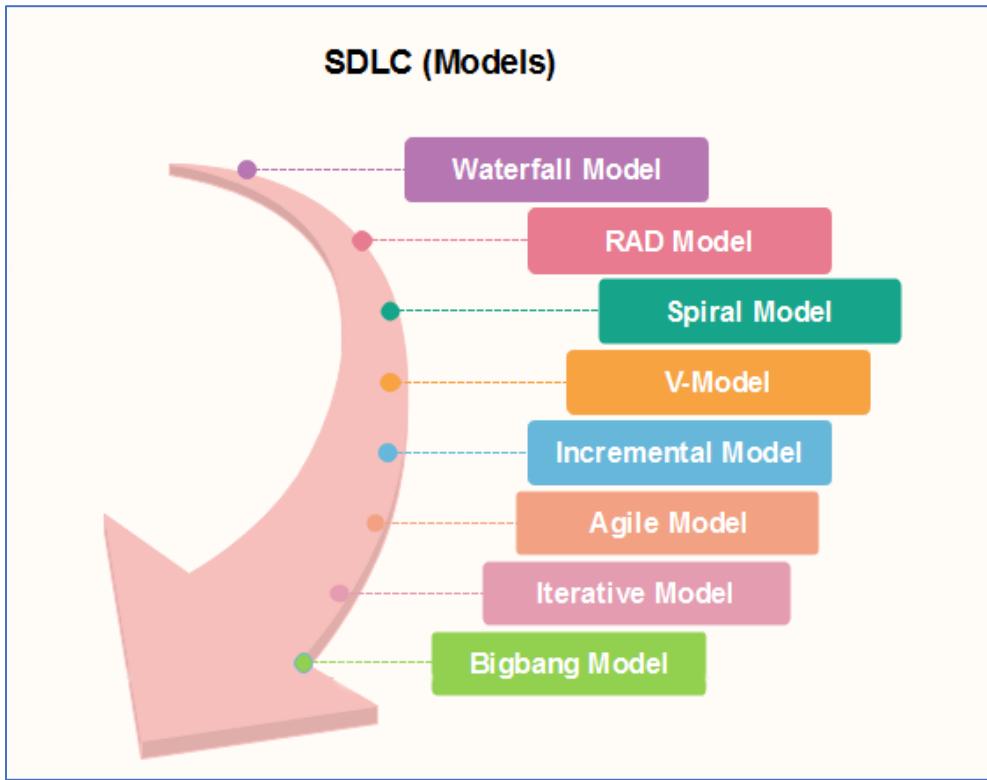


Figure 5: SDLC models

3.2. SDLC models

3.2.1. Waterfall Model

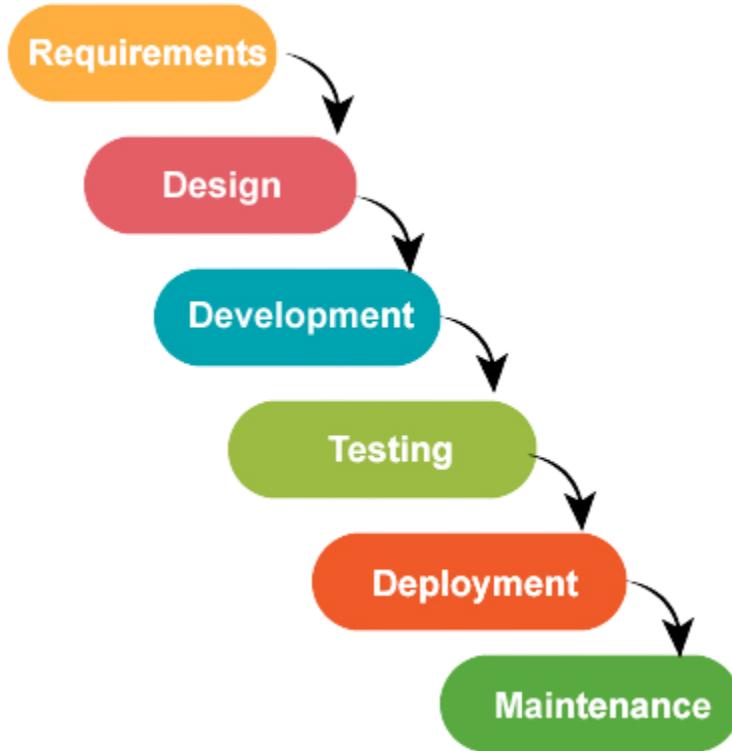


Figure 6: Waterfall Model

A. Requirement & Gathering Analysis

- a) Kick-off meetings
- b) Identify the Stakeholders
 - Meet the Stakeholders
- c) Gather and document the requirements.
- d) Set the objective.
- e) Prepare Software Requirement Specification Document (SRS)
 - Functional and non-functional
- f) Document the Scope
- g) Estimate the Cost
- h) Allocating Resources
- i) Risk Planning
- j) Test Planning

B. Design

a) List of Technical requirements

1. Hardware Requirement

- Processor: Minimum 2 GHz, i5
- Ethernet connection (LAN) or a wireless adapter (WI-FI)
- Minimum free storage space: 20GB
- Memory (RAM); Minimum 4GB

2. Software Requirement

- Axure
- Visual Studio Code
- XAAMP
- MySQL Workbench 8.0.30
- Angular

3. Database Requirement

- MySQL Workbench
- PhpMyAdmin
- MySQL Server

b) Create,

- Wireframe
- Storyboard
- Prototypes

(Home Page, Login Page, Registration Page, Forgot Password Page, Forgot Password Confirmation, Page, Forgot Password Thank You Page, Verification Email Page, Registration Thank You, Page, User Profile Page, User Profile Update Page, Search User Page, etc.)

c) Database Design

- ERD (Entity Relational Diagram)
- EERD (Enhanced Entity Relational Diagram)
- Relational Schema

C. Implementation

a) Develop the source code

b) Implement the database

D. Testing

Testing the software against the requirements

- Conduct unit testing and record results
- Conduct integration testing and record results
- Fixed all issues source code

E. Deployment

a) UAT testing

- Plan
- Identify and create real-world test scenarios
- Select the testing team
- Test and document
- Update code, Retest, and sign off

b) Fix errors

c) Deploy the Website

F. Maintenance

The customer provides feedback on the new software for the project team to look into additionally the project team made two additional testing in the live environment to verify the acceptable deployment

- Provide post-deployment support
- Service level agreement
- Hyper care and support per SLA

3.2.2. Spiral Model

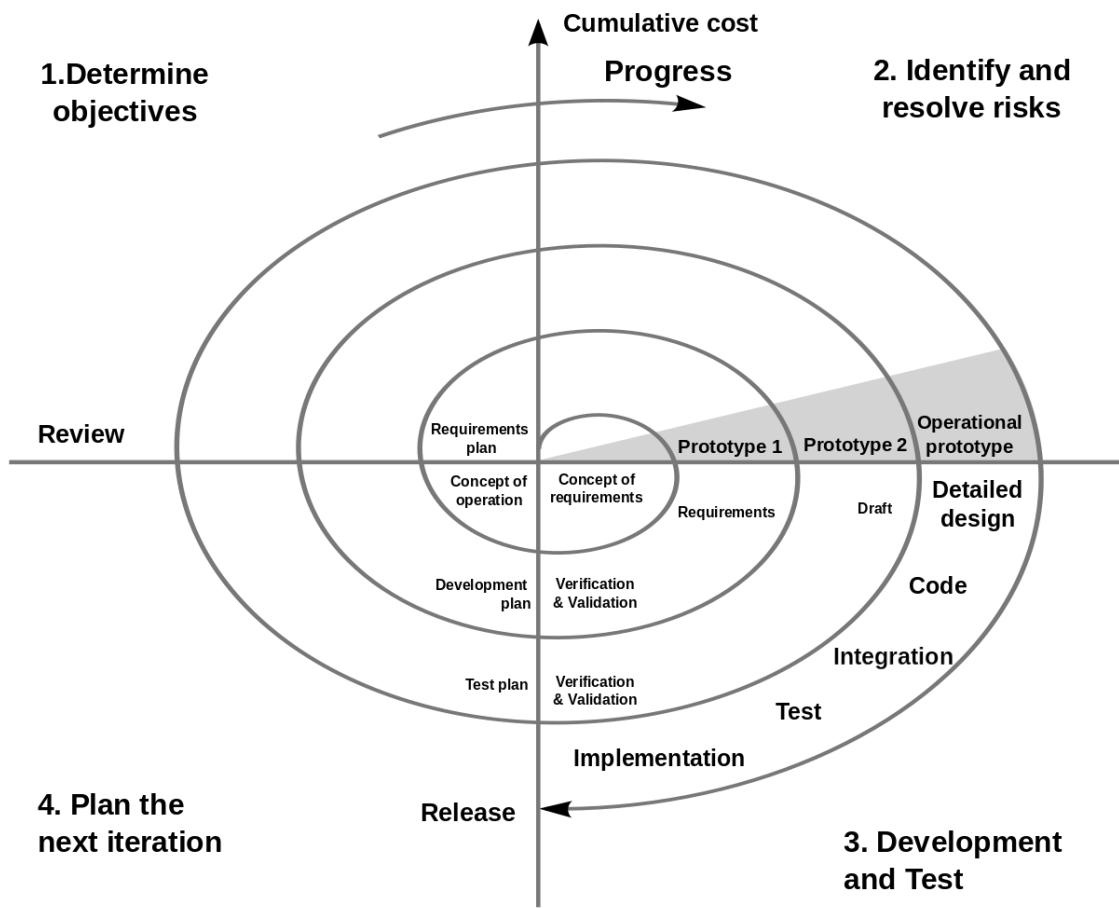


Figure 7: Spiral model

A. Planning

- Identify and gathered the system requirements
- Understanding the system requirements (Business and System Requirements Specification) by continuous communication between the customer and the system analyst team members
- Set the objective

Requirements are gathered from customers and objectives are identified, Elaborated, and analyse at the outset

B. Identifying and resolve risks

- a) Document the project risk management plan
- b) Prepare Software Requirement Document (SRS)
 - Functional and Non-Functional
- c) Use Case Document

C. Development and Testing

- a) Testing the software against the requirements
 - ✓ UAT testing
 - Plan
 - Identify and create real-world test scenarios
 - Select the testing team
 - Test and document
 - Update code, Retest, and sign off
- b) Fixed all issues in source code
- c) List of Technical requirements
 - 1. Hardware Requirement**
 - Processor: Minimum 2 GHz, i5
 - Ethernet connection (LAN) or a wireless adapter (WI-FI)
 - Minimum free storage space: 20GB
 - Memory (RAM); Minimum 4GB
 - 2. Software Requirement**
 - Axure
 - Visual Studio Code
 - XAAMP
 - MySQL Workbench 8.0.30
 - Angular
 - 3. Database Requirement**
 - MySQL Workbench
 - PhpMyAdmin
 - MySQL Server
- d) Create,
 - Wireframe
 - Storyboard
 - Prototypes

(Home Page, Login Page, Registration Page, Forgot Password Page, Forgot Password Confirmation, Page, Forgot Password Thank You Page, Verification

Email Page, Registration Thank You, Page, User Profile Page, User Profile Update Page, Search User Page, etc.)

e) Database Design

- ERD (Entity Relational Diagram)
- EERD (Enhanced Entity Relational Diagram)
- Relational Schema

The project team may select a pilot group of users to test the software's user-friendliness or to provide user feedback

If the software does not meet the requirements in the requirement document it is sent back to the software engineers for further implementation

A. Evaluation

- a) Identifying, estimating, and observing technical feasibility such as schedule slippage and cost overrun
- b) starts with the conceptual design in the baseline spiral and involves the architectural design, logical design of modules, physical product design and final design in the subsequent spirals
- c) allow the customer to evaluate the output of the project to date before the project continues to the next spiral

3.2.3. Agile Model



Figure 8: Agile model

B. Iteration 1: Registration Epic (First Module)

I. Requirement Analysis

- k) Kick-off meetings
- l) Identify the Stakeholders
 - Meet the Stakeholders
- m) Gather and document the requirements.
- n) Set the objective.
- o) Prepare Software Requirement Specification Document (SRS)
 - Functional and non-functional
- p) Document the Scope
- q) Estimate the Cost
- r) Allocating Resources

II. Design

List of Technical requirements

2. Hardware Requirement

2. Processor: Minimum 2 GHz, i5
3. Ethernet connection (LAN) or a wireless adapter (WI-FI)
4. Minimum free storage space: 20GB
5. Memory (RAM); Minimum 4GB

1. Software Requirement

- Axure
- Visual Studio Code
- XAAMP
- MySQL Workbench 8.0.30
- Angular

2. Database Requirement

- MySQL Workbench
- PhpMyAdmin
- MySQL Server

b) Create,

- Wireframe
- Storyboard
- Prototypes

(Registration Page, Verification Email Page, Registration Thank You_

c) Database Design

- ERD (Entity Relational Diagram)
- EERD (Enhanced Entity Relational Diagram)
- Relational Schema

III. Development

When the team defines the requirements, the work begins. Designers and developers start working on their project, which aims to deploy a working product. The product will undergo various stages of improvement, so it includes simple, minimal functionality.

- a) Develop Source code
- b) Implement the database

IV. Testing

- a) Test the system to ensure the code is clean
- b) Conduct integration testing and record results.
- c) Fixed all troubles in source code

V. Deployment

After releasing the registration epic, the last step is feedback. In this, the team receives feedback about the registration epic and works through the feedback.

- a) UAT Testing
- b) Fix errors
- c) Deploy the Registration epic

B. Iteration 2: Login Epic (Second Module)

I. Requirement Analysis

- a) Kick-off meetings
- b) Identify the Stakeholders
 - Meet the Stakeholders
- c) Gather and document the requirements.
- d) Set the objective.
- e) Prepare Software Requirement Specification Document (SRS)
 - Functional and non-functional
- f) Document the Scope
- g) Estimate the Cost
- h) Allocating Resources

II. Design

- a) List of Technical requirements
 - 1. Hardware Requirement
 - 6. Processor: Minimum 2 GHz, i5
 - 7. Ethernet connection (LAN) or a wireless adapter (WI-FI)
 - 8. Minimum free storage space: 20GB
 - 9. Memory (RAM); Minimum 4GB

2. Software Requirement

- Axure
- Visual Studio Code
- XAAMP
- MySQL Workbench 8.0.30
- Angular

3. Database Requirement

- MySQL Workbench
- PhpMyAdmin
- MySQL Server

a) Create,

- Wireframe
- Storyboard
- Prototypes

(Login Page, Forget Password Page, Email Verification, Forget Password Thank You Page)

b) Database Design

- ERD (Entity Relational Diagram)
- EERD (Enhanced Entity Relational Diagram)
- Relational Schema

III. Development

When the team defines the requirements, the work begins. Designers and developers start working on their project, which aims to deploy a working product. The product will undergo various stages of improvement, so it includes simple, minimal functionality.

- a) Develop Source code
- b) Implement the database

IV. Testing

- a) Test the system to ensure the code is clean
- b) Conduct integration testing and record results.
- c) Fixed all troubles in source code

V. Deployment

After releasing the Login epic, the last step is feedback. In this, the team receives feedback about the login epic and works through the feedback.

- c) UAT Testing
- d) Fix errors
- e) Deploy the Registration epic

C. Iteration 3: Forgot Password Epic (Third Module)

I. Requirement Analysis

- a) Kick-off meetings
- b) Identify the Stakeholders
 - Meet the Stakeholders
- c) Gather and document the requirements.
- f) Set the objective.
- g) Prepare Software Requirement Specification Document (SRS)
 - Functional and non-functional
- h) Document the Scope
- i) Estimate the Cost
- j) Allocating Resources

II. Design

- a) List of Technical requirements

1. Hardware Requirement

- Processor: Minimum 2 GHz, i5
- Ethernet connection (LAN) or a wireless adapter (WI-FI)
- Minimum free storage space: 20GB
- Memory (RAM); Minimum 4GB

2. Software Requirement

- Axure
- Visual Studio Code
- XAAMP
- MySQL Workbench 8.0.30
- Angular

3. Database Requirement

- MySQL Workbench
- PhpMyAdmin
- MySQL Server

b) Create,

- Wireframe
- Storyboard
- Prototypes

(Forgot Password Page, Verification Email, Forgot Password Thank You Page)

c) Database Design

10. ERD (Entity Relational Diagram)
11. EERD (Enhanced Entity Relational Diagram)
12. Relational Schema

III. Development

When the team defines the requirements, the work begins. Designers and developers start working on their project, which aims to deploy a working product. The product will undergo various stages of improvement, so it includes simple, minimal functionality.

- a) Develop Source code
- b) Implement the database

IV. Testing

- a) Test the system to ensure the code is clean
- b) Conduct integration testing and record results.
- c) Fixed all troubles in source code

V. Deployment

After releasing the Forgot Password epic, the last step is feedback. In this, the team receives feedback about the Forgot Password epic and works through the feedback.

- a) UAT Testing
- b) Fix errors
- c) Deploy the Registration epic

Additional Support

- Set up the master team, arrange the meeting and remove obstacles to the process

3.2.4. V model

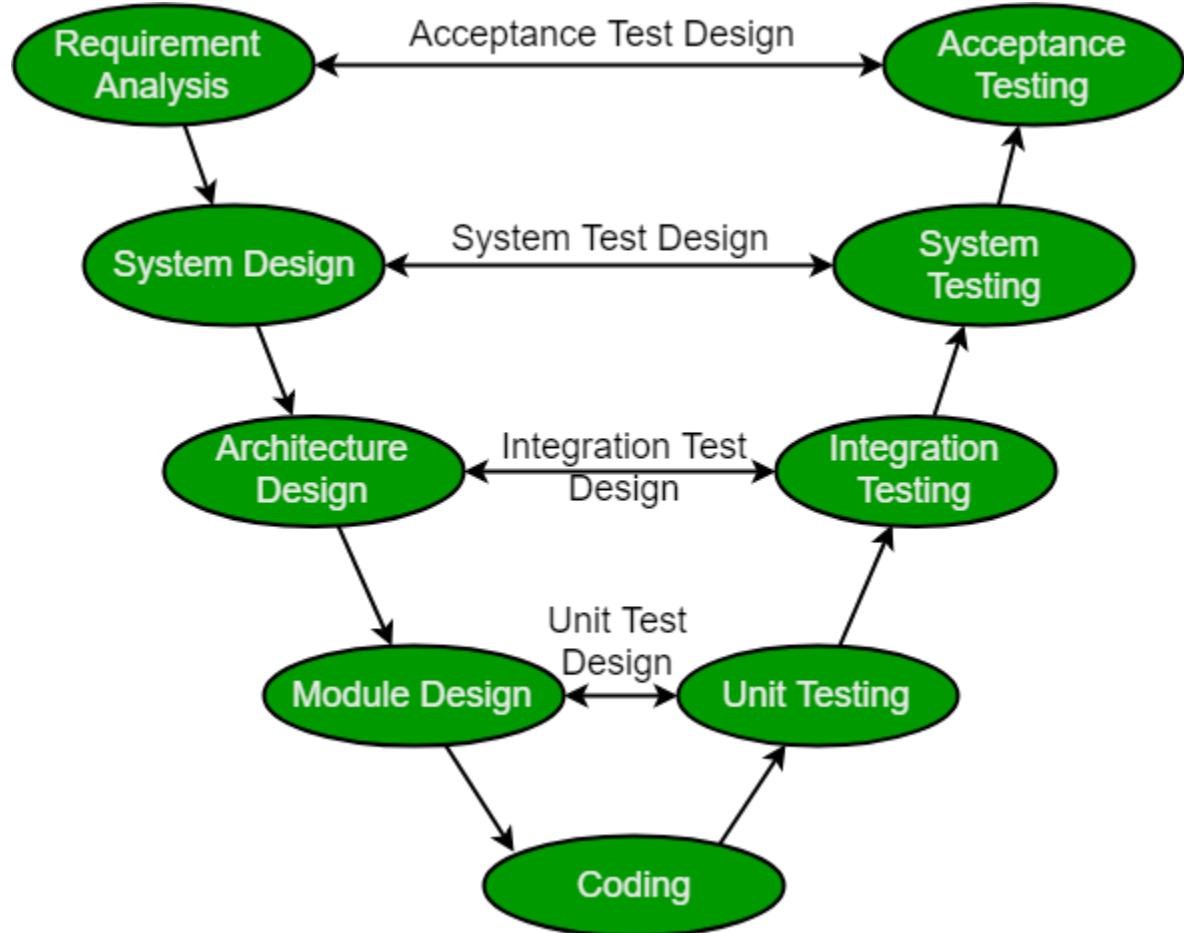


Figure 9: V model

I. Requirement Analysis

- a) Kick-off meetings
- b) Identify the Stakeholders
 - Meet the Stakeholders
- c) Gather and document the requirements.
- d) Acceptance test design planning

II. Architecture Design

- a) List of Technical requirements

1. Hardware Requirement

- Processor: Minimum 2 GHz, i5
- Ethernet connection (LAN) or a wireless adapter (WI-FI)
- Minimum free storage space: 20GB
- Memory (RAM); Minimum 4GB

2. Software Requirement

- Axure
- Visual Studio Code
- XAAMP
- MySQL Workbench 8.0.30
- Angular

3. Database Requirement

- MySQL Workbench
- PhpMyAdmin
- MySQL Server

III. Design

a) Create,

- Wireframes
- Storyboards
- Prototypes

(Home Page, Login Page, Registration Page, Forgot Password Page, Forgot Password Confirmation, Page, Forgot Password Thank You Page, Verification Email Page, Registration Thank You Page, User Profile Page, User Profile Update Page, Search User Page etc.)

b) Business process Diagram

Create a diagram that depicts a directed flow of activities that are specified by using a subset of Business Process Modelling Notation

c) Database Design

- ERD (Entity Relational Diagram)
- EERD (Enhanced Entity Relational Diagram)
- Relational Schema

IV. Implementation

a) Develop the source code

V. Unit Testing

- d) Prepare and Review the UT
- e) Make Test cases and Scripts
- f) Test Source codes

VI. Integration Testing

- a) Prepare the test plan
- b) Design test cases, test scenarios, use cases and scripts
- c) Run tests after unit integration
- d) Detect, report and fix errors.
- e) Retest functionalities after fixing bugs
- f) Repeat the process until all bugs are found and fixed

VII. System Testing

- a) Setup test environment
- b) Generate Test cases
- c) Generate testing data
- d) Execute test cases
- e) Defect Reporting
- f) Regression testing
- g) Log defects
- h) Retest

VIII. Acceptance Testing

- a) Business Requirement Analysis
- b) Design Acceptance Test Plan
- c) Design and review acceptance test
- d) Acceptance test bed set up
- e) Acceptance test data set up
- f) Acceptance test execution
- g) Business decision

➤ Advantages and Disadvantages of SDLC Models

SDLC Model	Advantages	Disadvantages
Waterfall Model	<ul style="list-style-type: none"> • Easy to understand • Easy to manage • Has fewer production issues • Better budget management 	<ul style="list-style-type: none"> • It is not flexible • Does not handle unexpected risk well • Not good for complex or long-term projects • Difficult to capture all requirements upfront
Spiral Model	<ul style="list-style-type: none"> • Risk Handling • Flexible in Requirements • Customer Satisfaction 	<ul style="list-style-type: none"> • Expensive • Too much dependable on Risk Analysis • Difficulty in time management
Agile Model	<ul style="list-style-type: none"> • Save time and Money • Flexible and Adaptable • It reduces total development time 	<ul style="list-style-type: none"> • Planning can be less concrete • Documentation can be neglected
V-Model	<ul style="list-style-type: none"> • Simple and easy to use • Protective defect tracking 	<ul style="list-style-type: none"> • Poor resource allocation • Need crystal clear requirements

3.3. SDLC Chosen Method

SDLC Chosen Method = Waterfall Method

Due to the fact inside the waterfall version, the complete process is split into levels where the output of one phase acts as the input to the next section. It makes waterfall easy to apply and we can easily classify and prioritize tasks and easily determine the important thing factors within the improvement cycle. control simplicity way to its rigidity: each segment has a defined end result and system review, development levels pass one after the other, and this model is best for the small or mid-sized tasks in which necessities are

clean and not equivocal, also seek advice from table above waterfall is well worth to apply.

3.4. Technologies

- Front-End Tech: ReactJS
- Back-end Tech.: Spring boot.
- Database: MySQL
- IDEs: Spring Tool Suite, Visual Studio Code

3.4.1. Front-End Technology

a) React JS

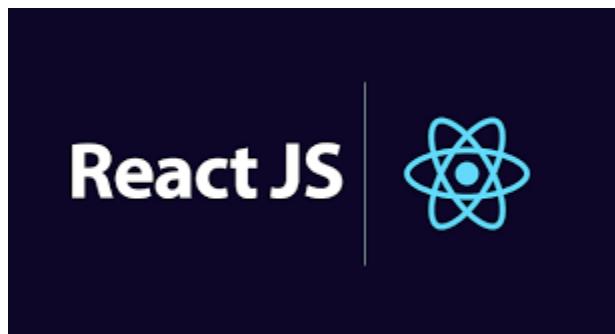


Figure 10: React JS

React JS is known as a generally JavaScript library. It built and maintained with the resource of Facebook. React is an effective and flexible open source for building simple, speedy and scalable net packages. Its miles a front-surrender web application. React JS may be very pace, flexible and feature particular performance.

3.4.2. Back-end Technology

a) Spring Boot



Figure 11: Spring Boot

Spring Boot is an open source framework. It is a java primarily based framework. It is easy to construct stand-alone and production-ready spring packages. There are many features of spring boot. They are auto configuration, standalone, opinionated and more.

3.4.3. Database

a) MySQL Workbench



Figure 12: MySQL Database

MySQL may be a social database control framework (RDBMS) created by using Prophet that's based on organized inquiry dialect. A database may be an organized collection of information. it may be anything from a truthful buying list to a picture display or an area to hold the endless sums of data in a corporate organize. In specific, a social database can be an advanced save collecting information and organizing it concurring to the social reveal. in this reveal, tables comprise of lines and columns, and connections between information components all take after a strict coherent structure. An RDBMS is basically the set of application devices applied to clearly execute, oversee, and inquiry such a database.

3.4.4. IDEs

a) Spring Tool Suite



Spring Tool Suite (STS) in Eclipse

Figure 13: STS IDE

Spring tool Suite or STS is a java IDE designed for growing Spring-based totally company programs. It's far less difficult, faster and more convenient. And most significantly it's far based totally on Eclipse IDE. STS is unfastened,

open source, and powered by means of VMware. Spring tools four is the subsequent technology of spring tools for the favorite coding environment.

b) Visual Studio Code



Figure 14: Visual Studio Code

Visual Studio Code may be a streamlined code editor with returned for advancement operations like investigating, task walking, and form control. It factors to deliver fair the devices an engineer desires for a speedy code-build-debug cycle and takes off extra complicated workflows to more fully covered IDEs, which include visual Studio IDE

3.5. System Requirements

➤ **Operating System**

- Windows 7 or above
- Android 7 or above
- Mac 9 or above
- iOS 12 or above

➤ **Hardware Requirements**

- Intel Xeon 6TH Gen or Newer CPU
- Ram - 16 GB
- Rom - 1 TB (OS)
- Rom – 16 TB (Data)
- Monitor
- Mouse and Keyboard

➤ Software Requirements

- Programming Language – Java 11
- Database – MySQL
- Web Server - Tomcat

4) Project Team

4.1. Team member's information

- ❖ Stakeholder – Merry Meal, Unit one solution
- ❖ Manager - Mr. David
- ❖ Project Lead – Arvinder Kaur
- ❖ Team Members – Hashini, Chathushi, Tamim

4.2. Team member's roles and responsibilities.

Member's Name	Module Assigned
Hashini Sewwandi	Back-end and Front-end Modules
Chathushi	Back-end and Front-end Modules
Tamim	Back-end and Front-end Modules

5) Project Planning

5.1. WBS and Gantt Chart

Work breakdown structure is a document of the functions which need to finish a task. The WBS "breaks down" the structure of a challenge into practicable deliverables. According to WBS we can create a Gantt chart. Then we can whole the task. We create our WBS using Microsoft word.

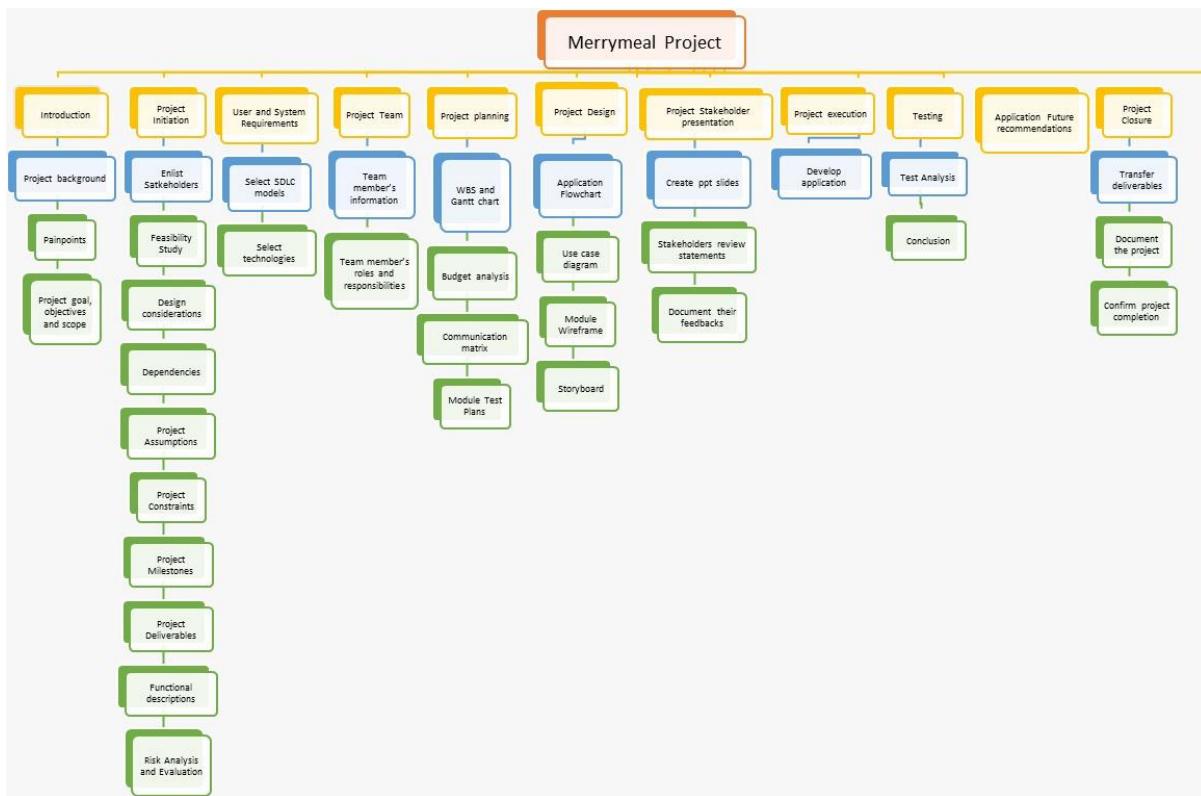
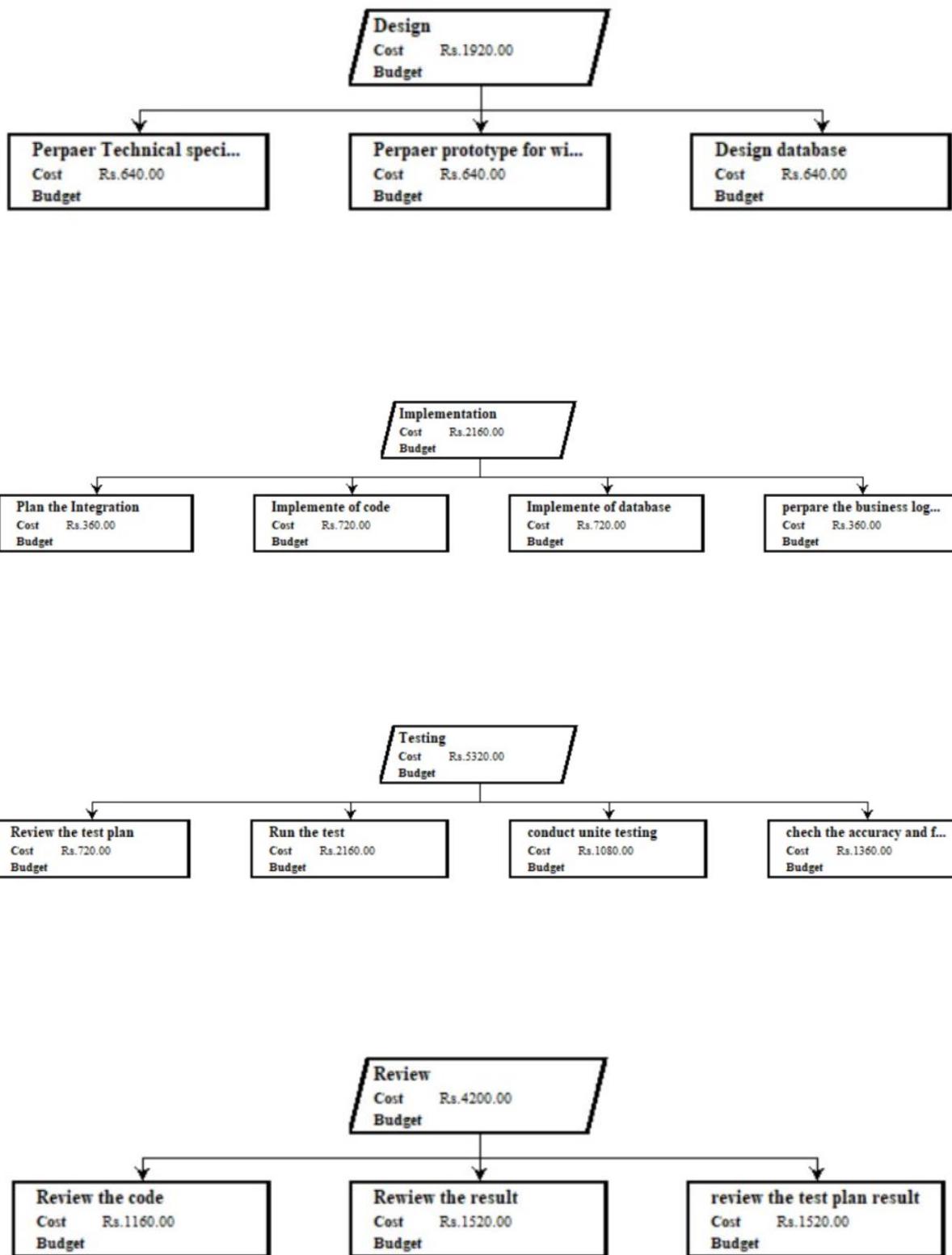
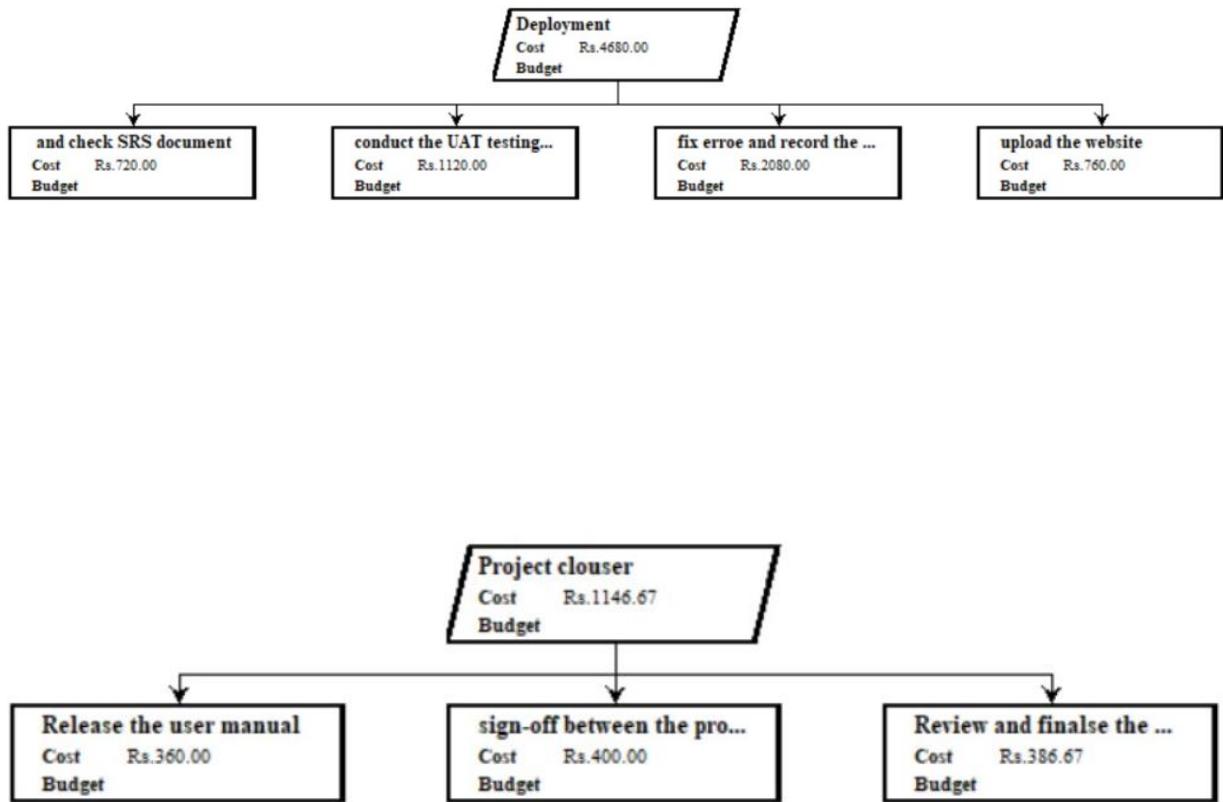


Figure 15: Work breakdown structure







a) Gantt Chart

Gantt chart helps project manager and project planners to work on schedule. Their work can be well planned. They use the Gantt chart to keep track of the project. It shows the relationship between start date and end date.

		Name	Duration	Start	Finish	Predecessors	Resource Names	15
								W T F S S
1		Requirement Gathering	3 days	1/14/23 8:00 AM	1/18/23 5:00 PM			
2		Kickoff Meetings	1 day	1/14/23 8:00 AM	1/16/23 5:00 PM		Project Manager	
3		Identify Stakeholders	1 day	1/17/23 8:00 AM	1/17/23 5:00 PM	2	Business Analysis	
4		Gather and Documentation	1 day	1/17/23 8:00 AM	1/17/23 5:00 PM	3	Business Analysis	
5		Set the Objective	1 day	1/18/23 8:00 AM	1/18/23 5:00 PM	4	Project Manager	
6		Prepare SRS Document	1 day	1/18/23 8:00 AM	1/18/23 5:00 PM	5	Business Analysis	
7		Planning	5 days	1/19/23 8:00 AM	1/25/23 5:00 PM	1		
8		Document the Scope	1 day	1/19/23 8:00 AM	1/19/23 5:00 PM	6	Project Manager	
9		Cost Estimation	0.5 days	1/20/23 8:00 AM	1/20/23 1:00 PM	8	Business Analysis;Project M...	
10		Allocating Resources	2 days	1/20/23 1:00 PM	1/24/23 1:00 PM	9	Project Manager	
11		Risk Planning	2 days	1/24/23 8:00 AM	1/25/23 5:00 PM	10	Business Analysis	
12		Test Planning	2 days	1/24/23 8:00 AM	1/25/23 5:00 PM	10	QA Manager	
13		Design	2.5 days	1/25/23 8:00 AM	1/27/23 1:00 PM	7		
14		Prepare Technical Design	2 days	1/25/23 8:00 AM	1/25/23 5:00 PM	12	Design Engineer;Developer	
15		Prepare Prototype	1 day	1/26/23 8:00 AM	1/26/23 5:00 PM	14	Design Engineer;Developer	
16		Design Database	0.5 days	1/27/23 8:00 AM	1/27/23 1:00 PM	15	DBA;Design Engineer	
17		Implementation	7.5 days	1/27/23 1:00 PM	2/7/23 5:00 PM	13		
18		Coding the Source Code	6 days	1/27/23 1:00 PM	2/6/23 1:00 PM	16	Developer	
19		Implement the database	2 days	2/6/23 8:00 AM	2/7/23 5:00 PM	18	Developer	
20		Prepare Business Logics	1 day	2/7/23 8:00 AM	2/7/23 5:00 PM	19	Business Analysis	
21		Testing	5 days	2/7/23 8:00 AM	2/13/23 5:00 PM	17		
22		Conduct Unit Testing	2 days	2/7/23 8:00 AM	2/8/23 5:00 PM	20	Business Analysis	
23		Conduct Integration Test	2 days	2/8/23 8:00 AM	2/9/23 5:00 PM	22	QA Manager	
24		Fix the errors	3 days	2/9/23 8:00 AM	2/13/23 5:00 PM	23	Developer	
25		Deployment	3 days	2/14/23 8:00 AM	2/16/23 5:00 PM	21		
26		UAT Testing	2 days	2/14/23 8:00 AM	2/15/23 5:00 PM	24	Client	
27		Fix errors	1 day	2/15/23 8:00 AM	2/15/23 5:00 PM	26	Developer	
28		Deploy the website	1 day	2/16/23 8:00 AM	2/16/23 5:00 PM	27	Project Manager	
29		Maintenance	4 days	2/16/23 8:00 AM	2/21/23 5:00 PM	25		
30		Release the user guide ...	2 days	2/16/23 8:00 AM	2/16/23 5:00 PM	28	Business Analysis;Project M...	
31		Provide post deployment	2 days	2/17/23 8:00 AM	2/20/23 5:00 PM	30	Business Analysis	
32		Service level agreement	2 days	2/20/23 8:00 AM	2/21/23 5:00 PM	31	Client	
33		Complete Project	1 day	2/21/23 8:00 AM	2/21/23 5:00 PM	32	Project Manager	
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Figure 16: Gantt chart Table

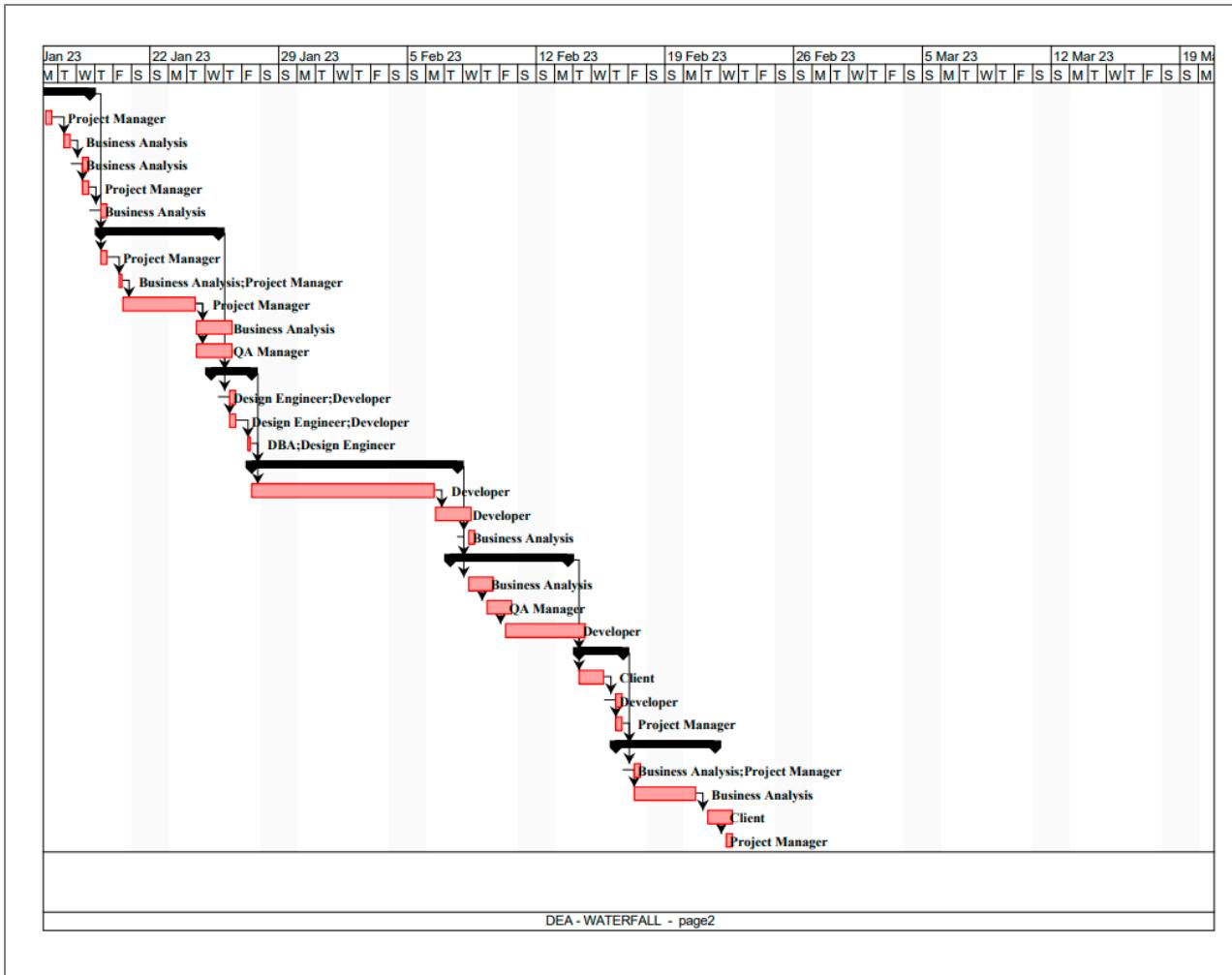


Figure 17: Gantt chart

5.2. Budget analysis

Sr.no	Tools and technologies	Total Expected Budget
1.	Wireframe	No Budget
2.	Flowchart	No Budget
3.	Gantt chart	No Budget
4.	Power point	No Budget
5.	Microsoft word	No Budget
6.	Microsoft Excel	No Budget
7.	Project Libre	No Budget
8.	Drawio Chart	No Budget
9.	ERD Plus	No Budget
10.	Use cases	No Budget

DESIGNATON/TYPE	NUMBER	MONTHLY SALARY (RS.)	TOTAL MONTHLY SALARY (RS.)
Manager	01	20000	20000
Chef/Kitchen Supervisor	01	15000	15000
Supervisor (including reliever)	01	15000	15000
Cook	04	15000	60000
Helper/Waiter	04	7000	28000

Dishwasher	02	4000	8000
Riders	06	15000	90000
Cleaner	02	7000	14000
Guard	01	10000	10000
Total	22		2,60,000-

Utilities Requirement

UTILITY	MONTHLY CHARGES(RS.)
Electricity (Direct and indirect)	40000
Water	5000
Gas	20000
Telephone/Mobile	1500
Vehicles	28800
Packaging Utensils	10000
Ration	5000
Furniture	5000
Petrol(approx)	40000
TOTAL	1,55,300

5.3. Communication matrix

Speaker	Audience	purpose	medium	Frequency
Merry Meals	Unity one solution	Closing deal	Meeting	Once
Project Lead	Team member	Discuss the project initiation and planning	Skype, Zoom	Twice
Team member	Team member	Working on initiation and planning, checking progress of the project, helping with code, integrating the modules, Discussing about implementation.	Face to face, Skype, zoom	Whenever needed
Team member	Project Lead	Showing the implementation results.	Face to face, Skype, zoom	Three times for a week
Team member	Merry Meals	Stakeholder Presentation.	MS Teams	Once
Mr.David	Team member	Providing feedback on the project.	Email	After completion of milestones

5.4. Module Test Plans

5.4.1. Unit Testing

Test case ID	Test Data	Test case/scenario	Expected Result	Actual Result	PASS/FAIL
1	Full name=" Malki Perera" Address="05/120,Colombo, Sri Lanka" Gender="Femail" Role="Member" Email id=" pereramalki@gmail.com " Password="123456"	To check that user is register successfully	Registration successful message should be display and User Data should be store in database	As expected	PASS
2	Full name="" Address="05/120,Colombo, Sri Lanka" Gender="Femail" Role="Member" Email id=" pereramalki@gmail.com " Password="123456"	Validation is working in registration page	An error message should be display	As expected	PASS
3	Username : ABCDEFG Password: 123456	Verify whether a user is able to login with valid username and password	User should be redirect on thankyou page	As expected	PASS
4	Quantity:1 Chose :	Verify the order food add in cart	Inside the cart all orders should be display	As expected	PASS

5	View card Add address: xxxxxx	Verify user are able to order food.	Order is successful message will appears	As expected	PASS
----------	----------------------------------	-------------------------------------	--	-------------	------

5.4.2. UAT/ Usability Testing

Test case ID	Test Data	Test case/scenario	Expected Result	Actual result	PASS/FAIL
1	All navigation item in order	Check the navigation item placed correctly on each page.	Nav bar should below the logo and company name.	As expected	PASS
2	Click on Sign in link Click on Login link Click on About us	Check each hyper link in nav bar do work or loaded correct page.	All navigations should be working properly	As expected	PASS
3	Click privacy policy T/C	Check footer hyper link work correctly.	Footer link should be redirect on expected page	As expected	PASS

5.4.3. Database Testing

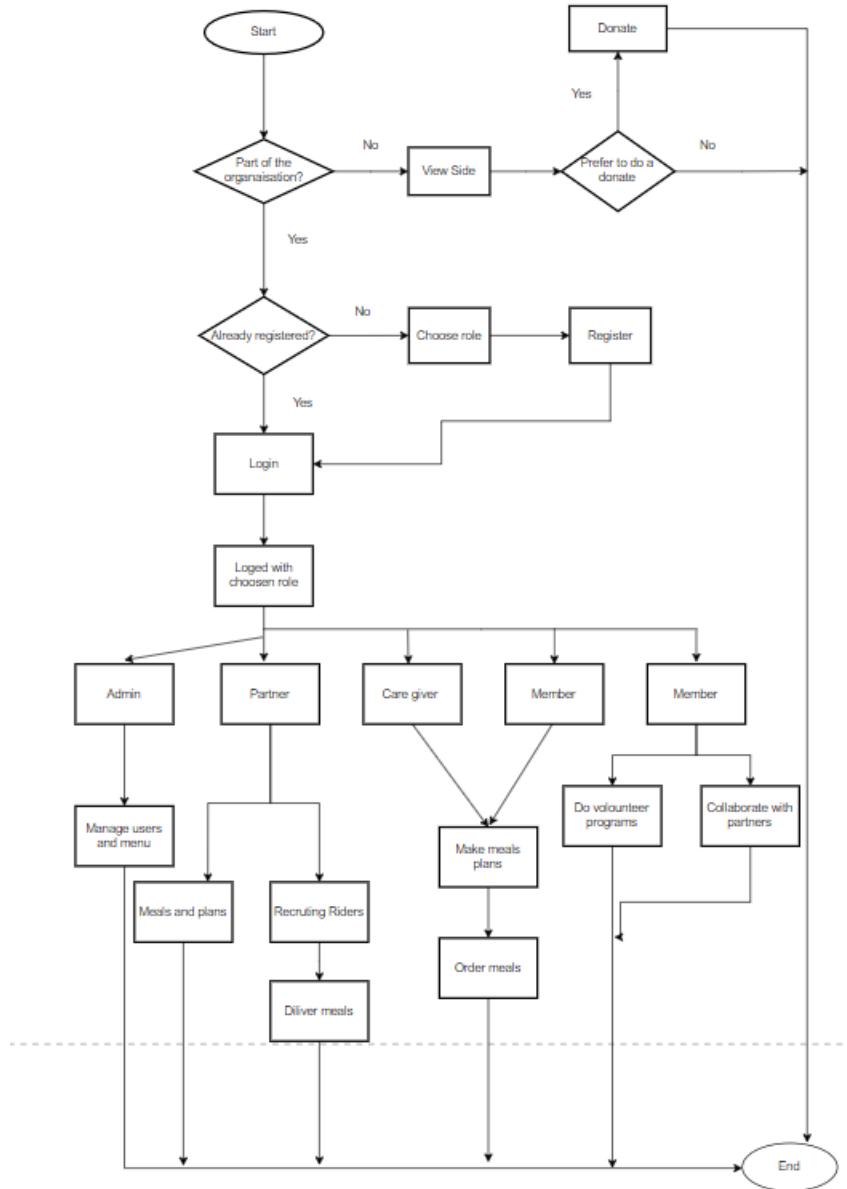
Test case ID	Test Data	Test case/scenario	Expected Result	Actual Result	PASS/FAIL
1	Full name=" Malki Perera" Address="05/120,Colombo, Sri Lanka" Gender="Female" Role="Member" Email id= pereramalki@gmail.com " Password="123456"	To check if data is storing in the database	Data should store in database	As expected	PASS
2	Email id= pereramalki@gmail.com " Password="123456"	To check if user is able to login using the database details He/She had already stored	Login successfully message should appear	As expected	PASS
3	Go to all orders and see the list	To check if admin to see the list of orders customer had placed	List of All orders should be store in database	As expected	PASS

6) Project Design

That is in which the web page format of our system is performed. This is like a rough sketch. On this element we can get a concept of what we will construct during the system implementation section. There are flowchart, use cases, wireframes, and storyboards.

6.1. Application Flowchart

There are few users of this Merry Meal venture. Any visitor can browse around the website and they can donate. If they donate, they known as donors to this organization. There are many users of the project together with admin, members, caregivers, volunteers, partners and riders. Admin manages menus and users. The partners plan the meals and supply the meals with the help of the riders. Riders pick the meals for users. The members and caregivers can select the meal, order and test the status order. Volunteers conduct volunteer packages, connect with each other and connect with new members.



a) **Login Flow**

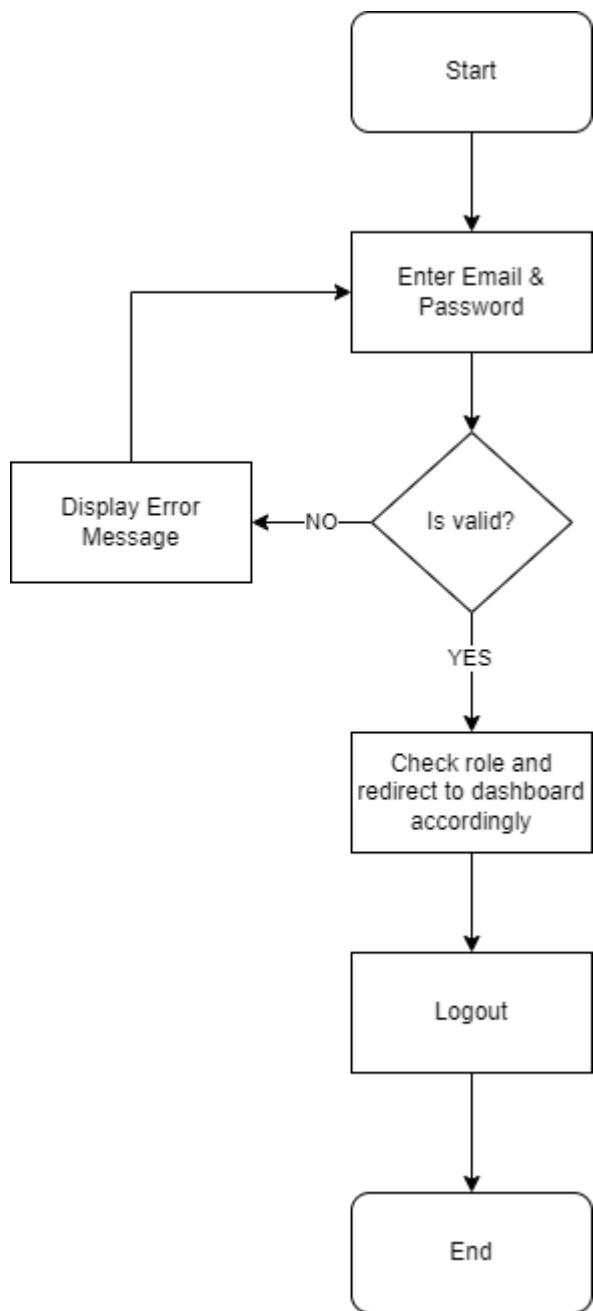


Figure 18: Login Flow

b) Registration Flow

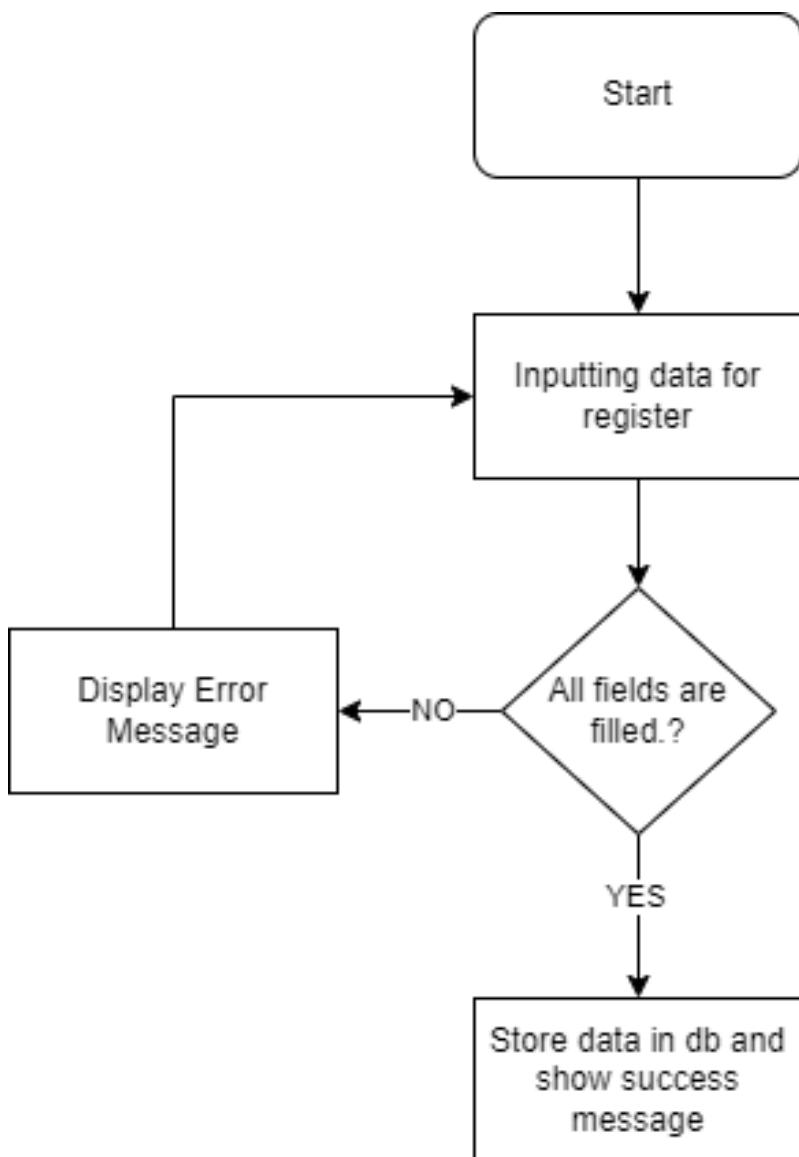


Figure 19: Registration Flow

c) Admin Flow

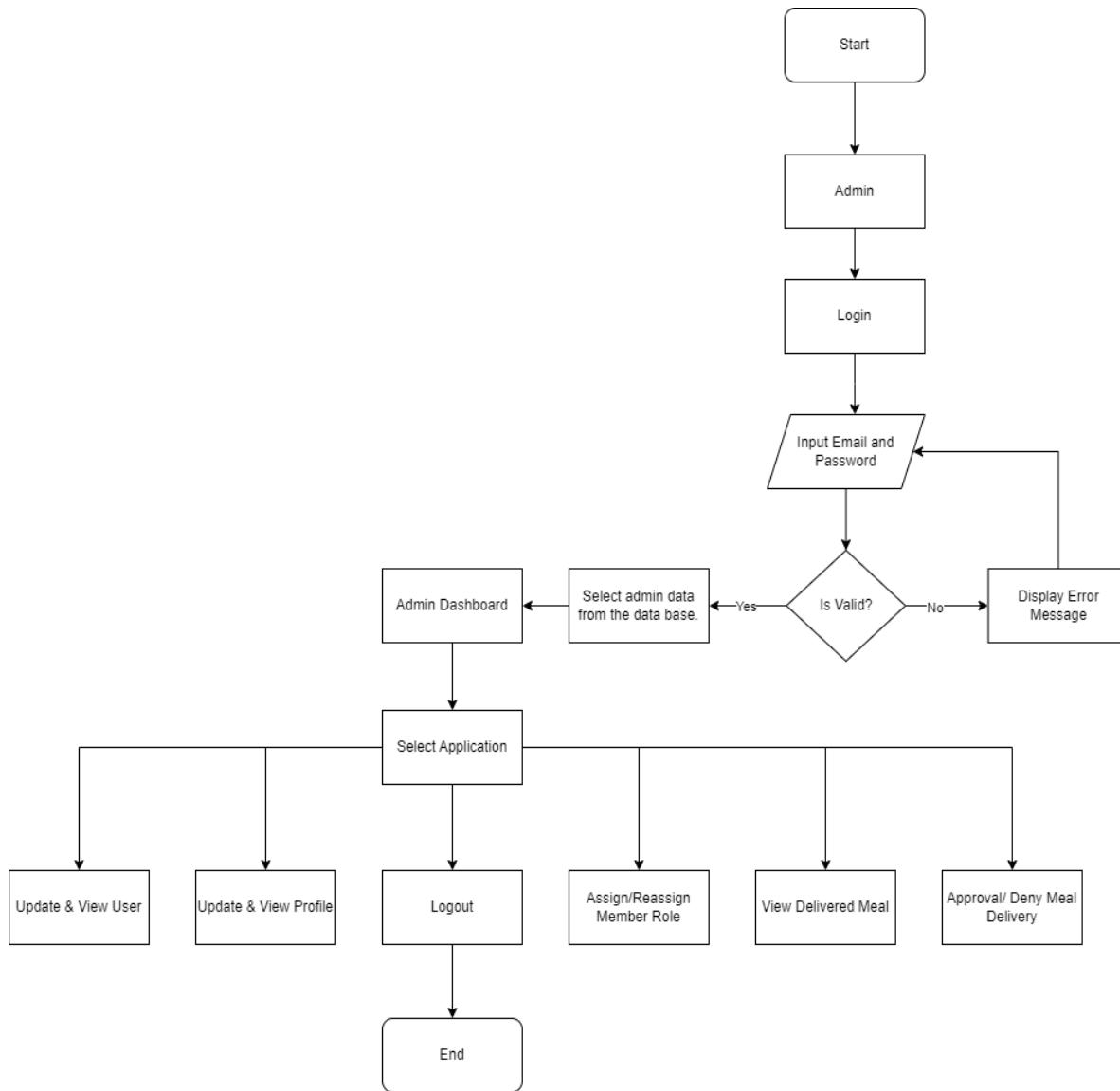


Figure 20: Admin Flow

d) Volunteer Flow

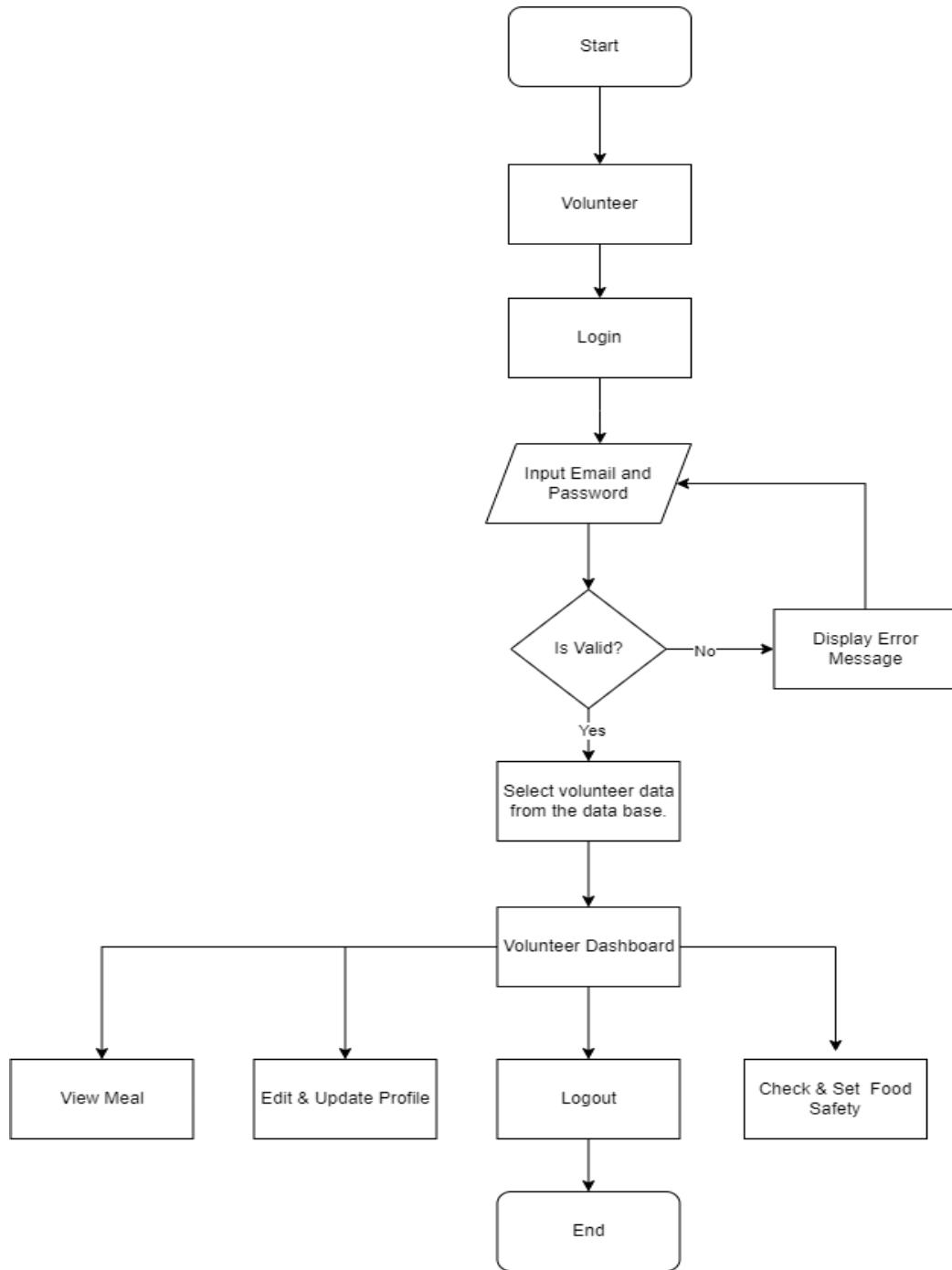


Figure 21: Volunteer Flow

e) Partner Flow

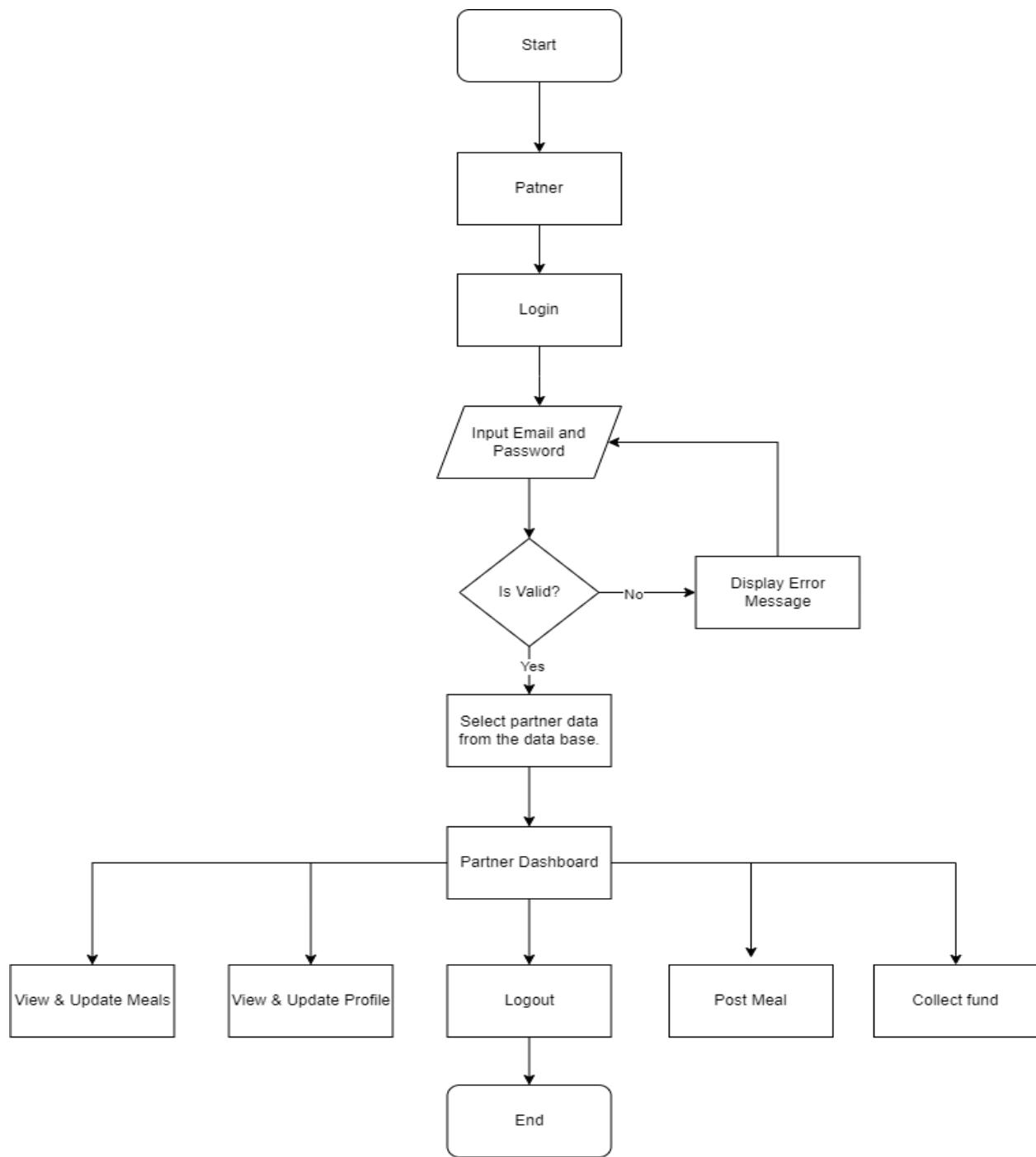


Figure 22: Partner Flow

f) Rider Flow

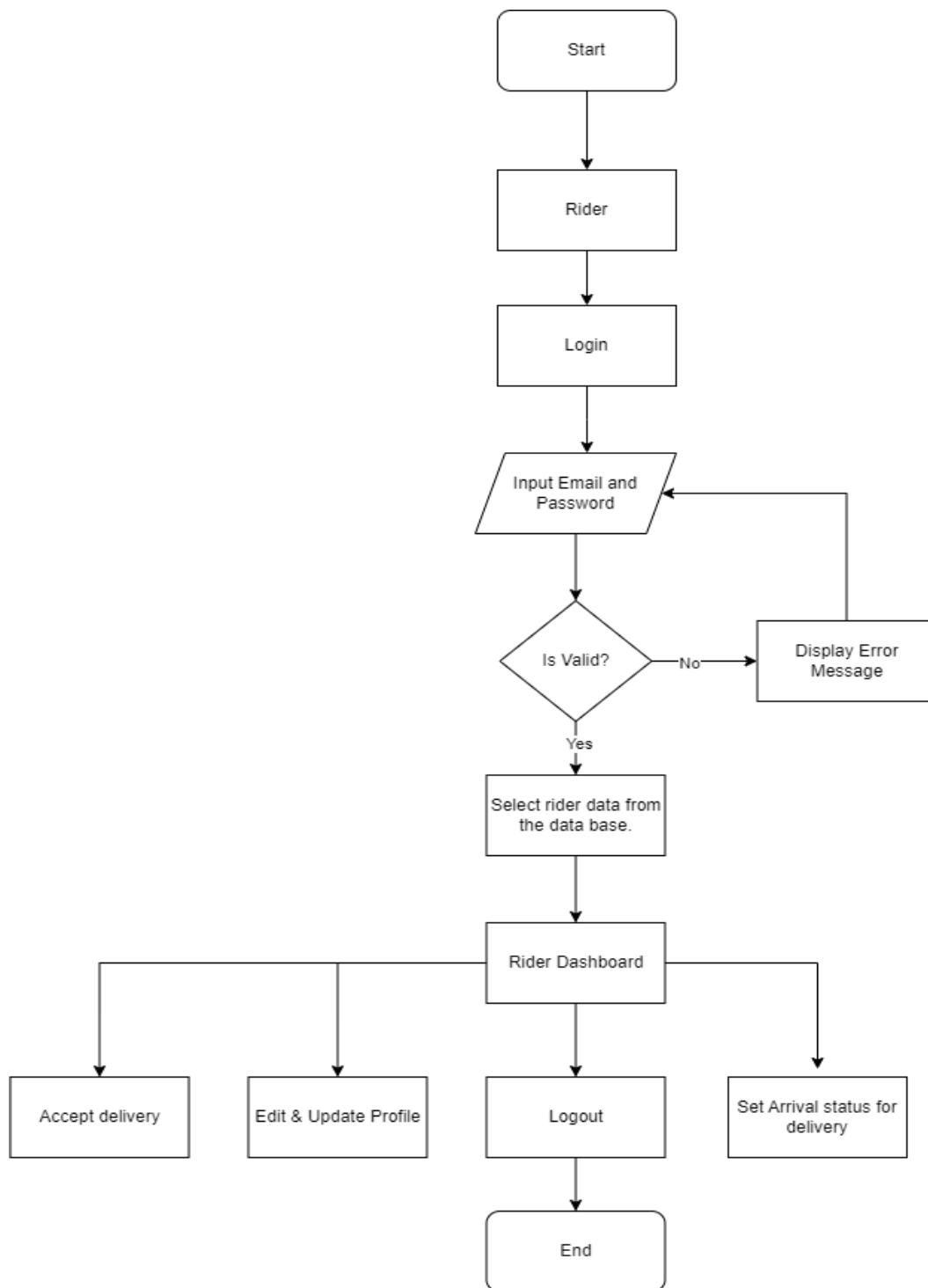


Figure 23: Rider Flow

g) Member Flow

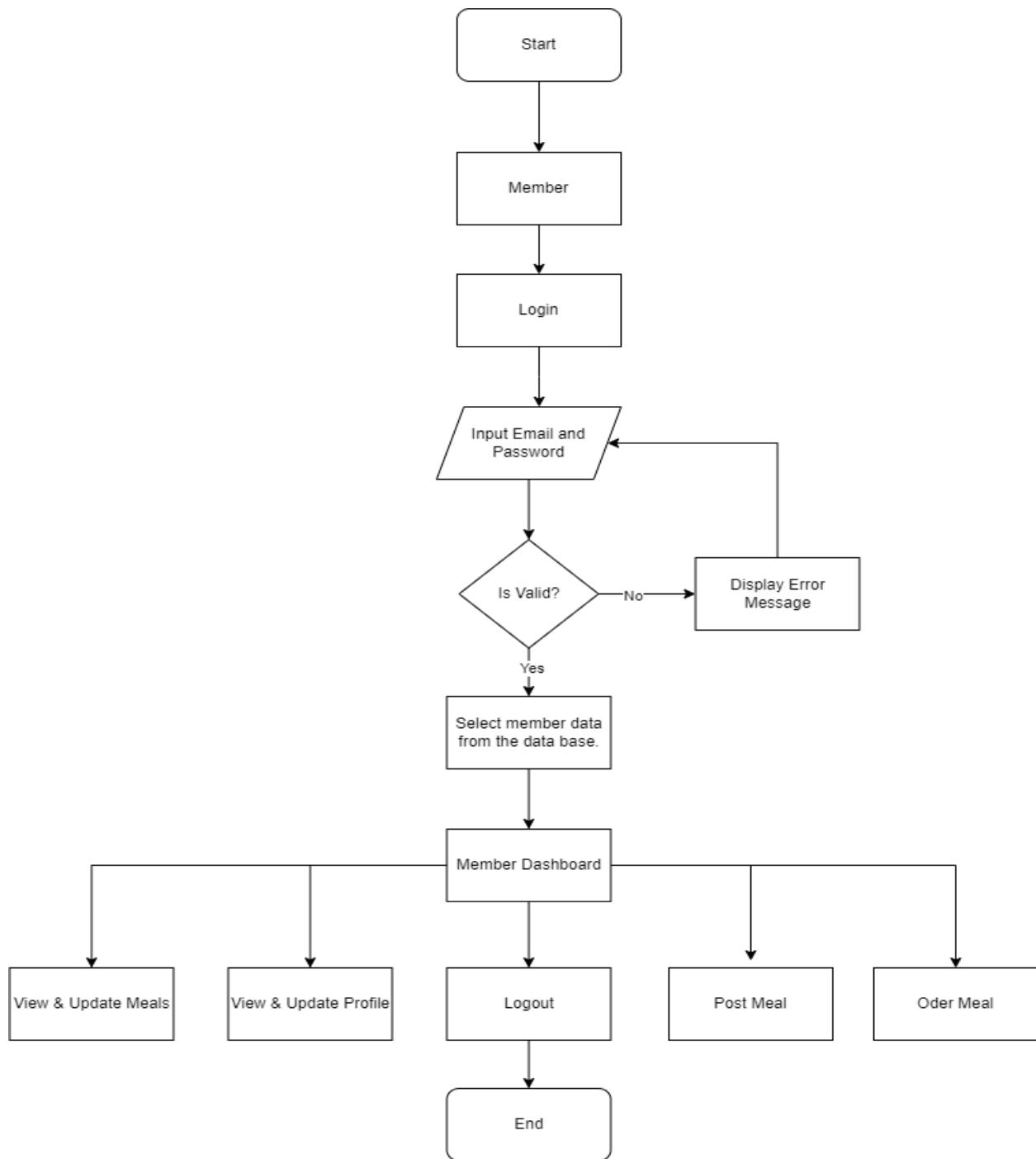


Figure 24: Member Flow

h) Caregiver Flow

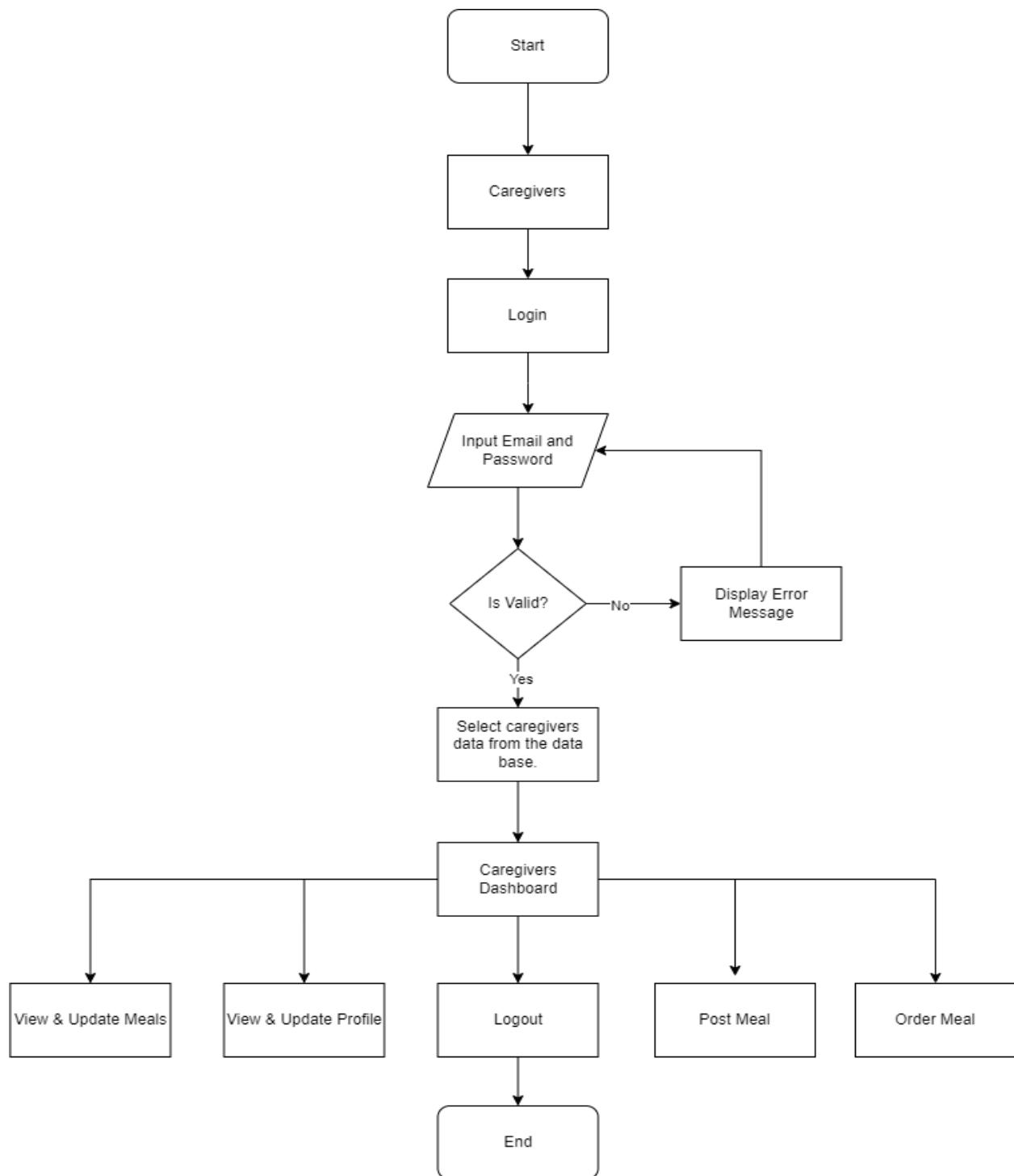


Figure 25; Caregiver Flow

6.2. Module (User case diagram for my module)

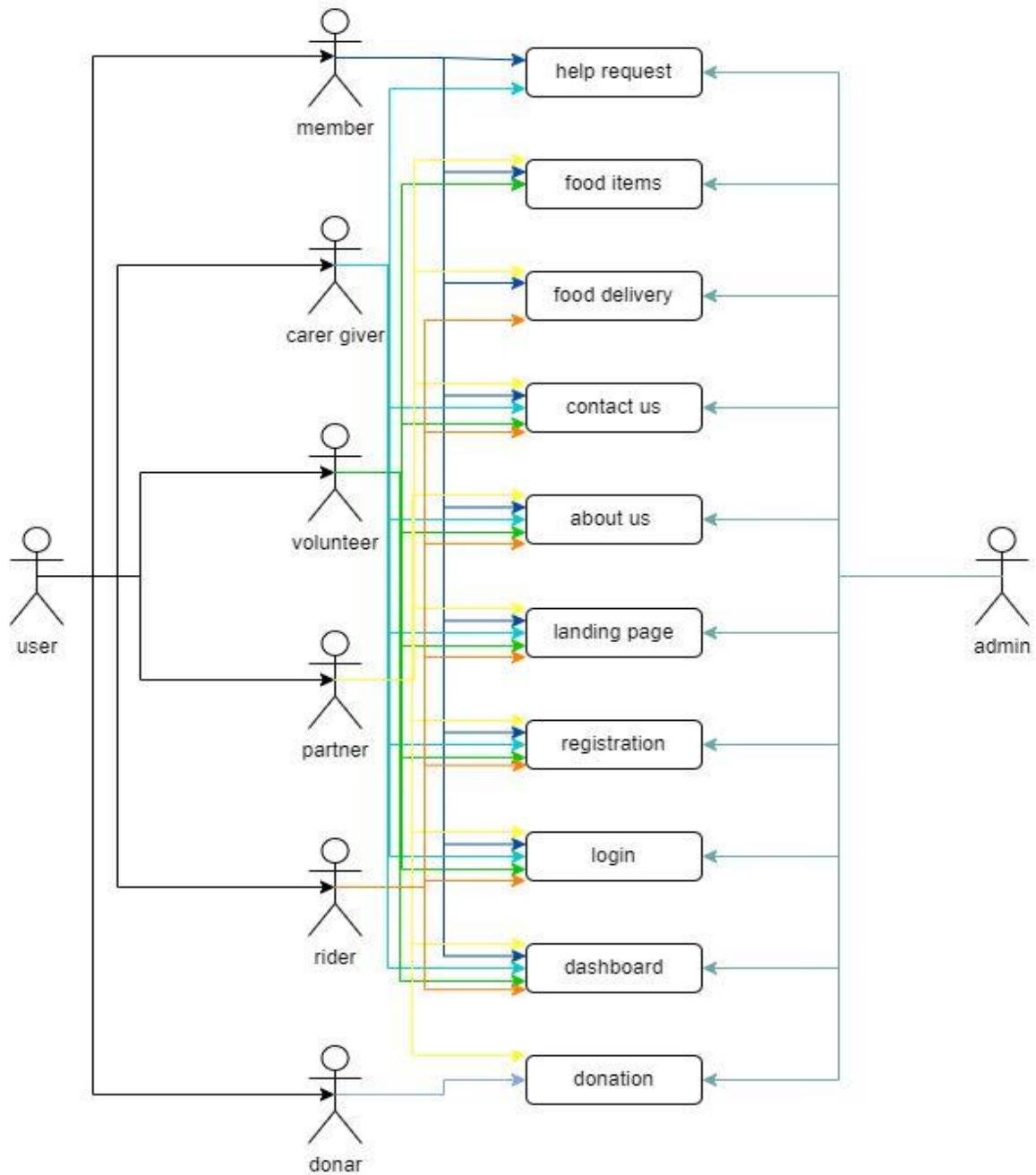


Figure 26: User case diagram

6.3. Module Wireframes

6.3.1. Landing Page

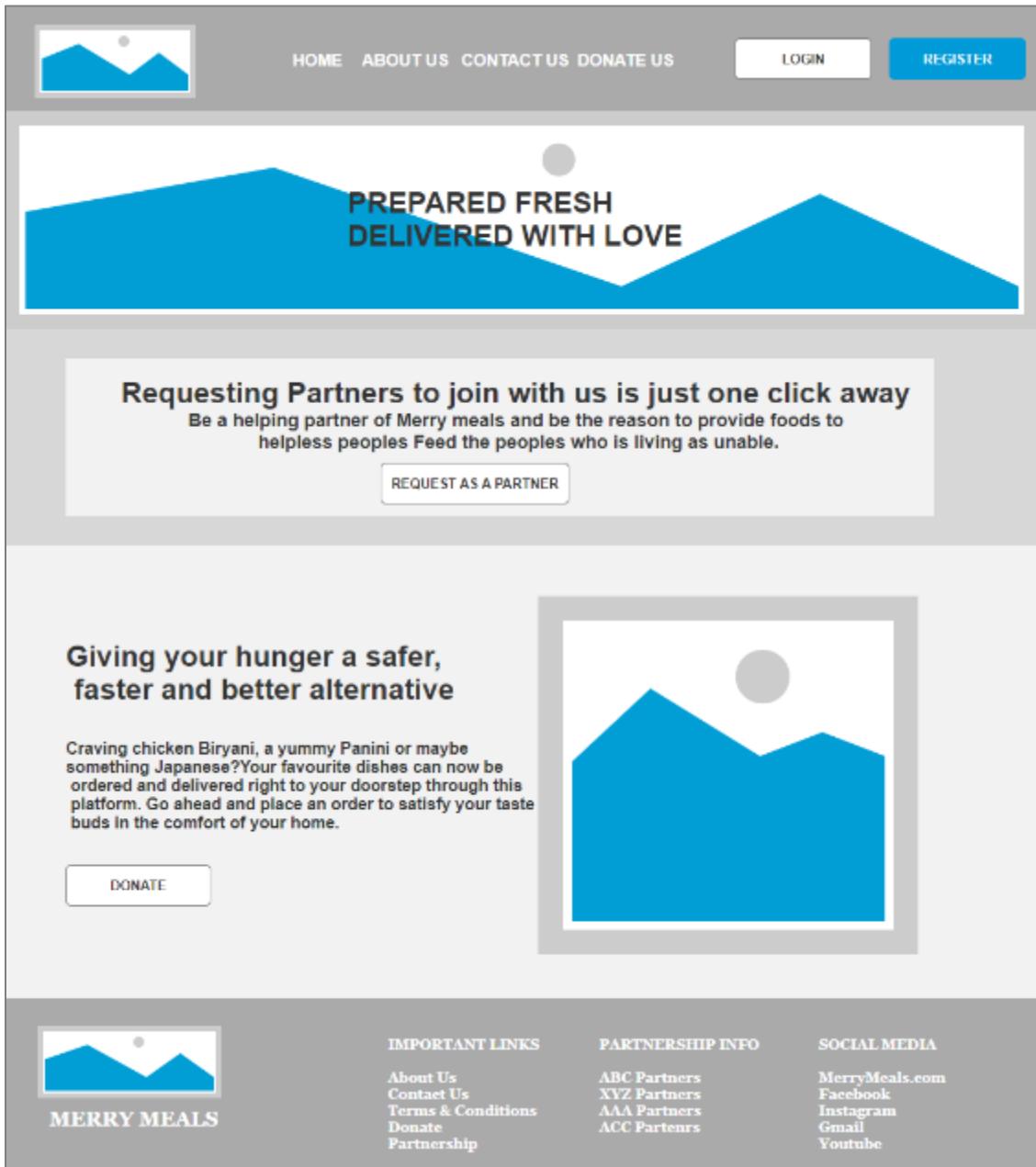


Figure 27: Landing Page

6.3.2. Login

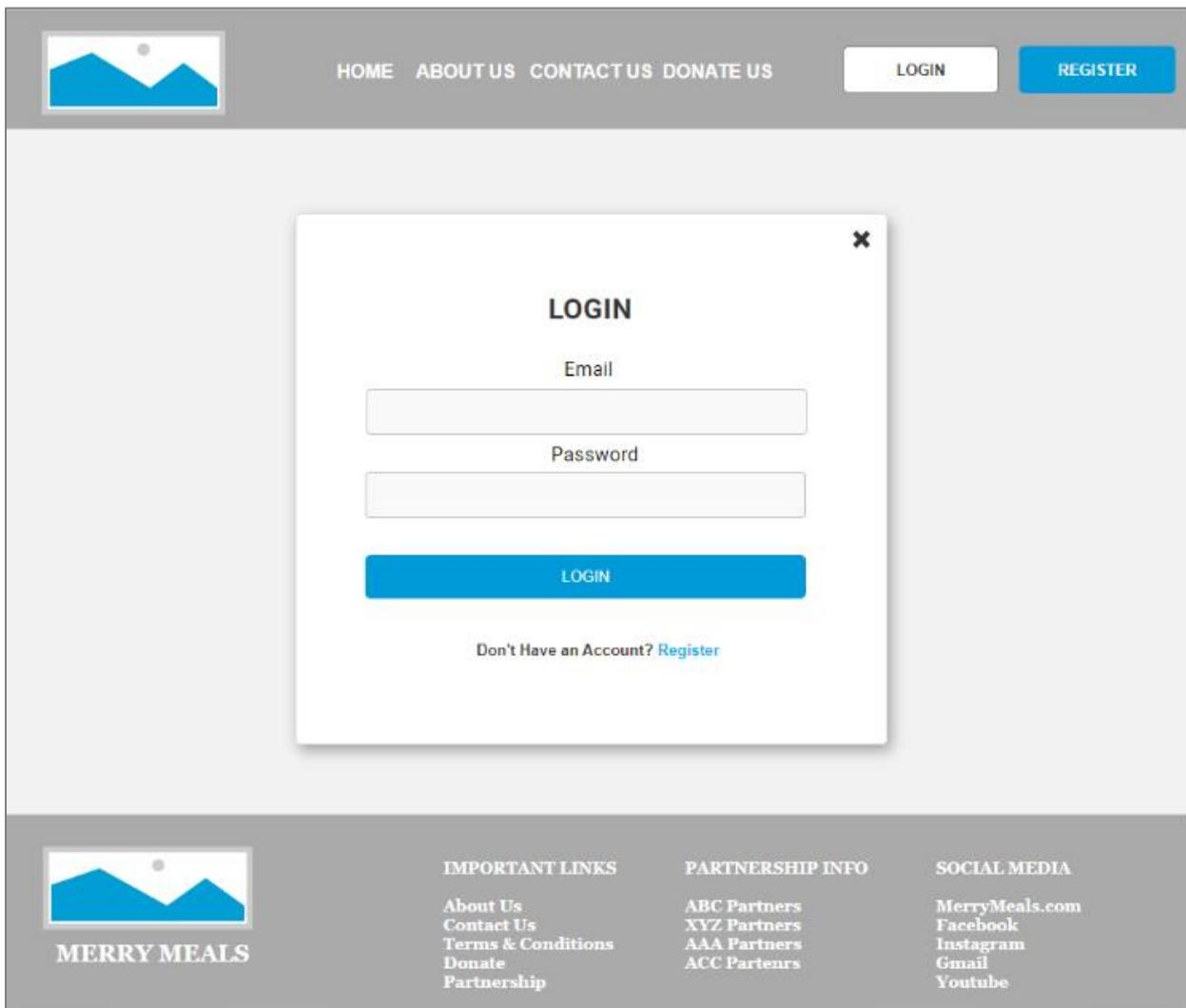


Figure 28: Login Page

6.3.3. Registration



HOME ABOUT US CONTACT US DONATE US [LOGIN](#) [REGISTER](#)

REGISTER

Full Name

Address

Gender

Role

Email

Document

Your Image

REGISTER

Already Have an Account? [Login](#)

MERRY MEALS

IMPORTANT LINKS About Us Contact Us Terms & Conditions Donate Partnership	PARTNERSHIP INFO ABC Partners XYZ Partners AAA Partners ACC Partners	SOCIAL MEDIA MerryMeals.com Facebook Instagram Gmail Youtube
---	---	--

Figure 29: Registration

6.3.4. Member Home

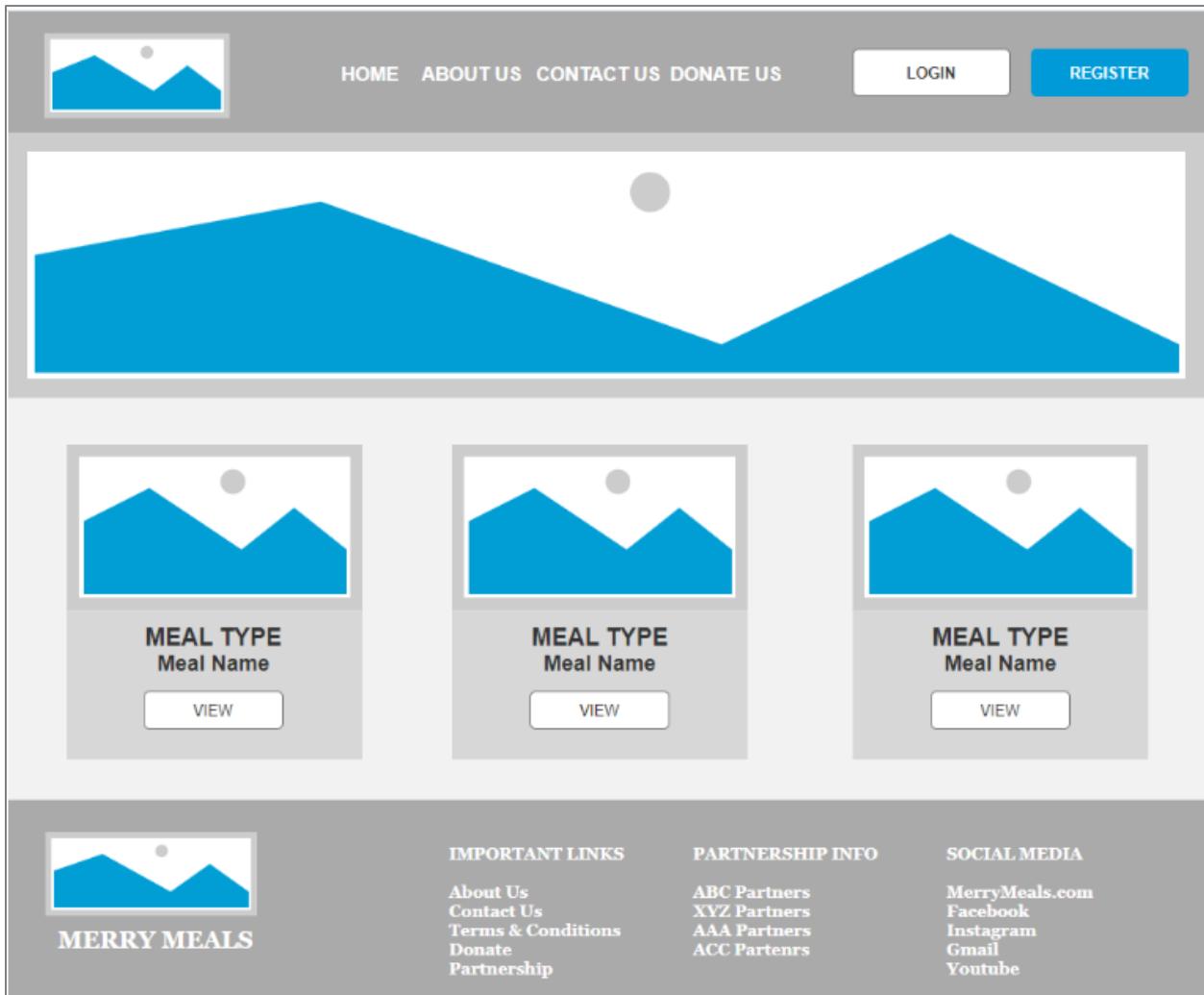


Figure 30: Member Dashboard

6.3.5. Member View Meal

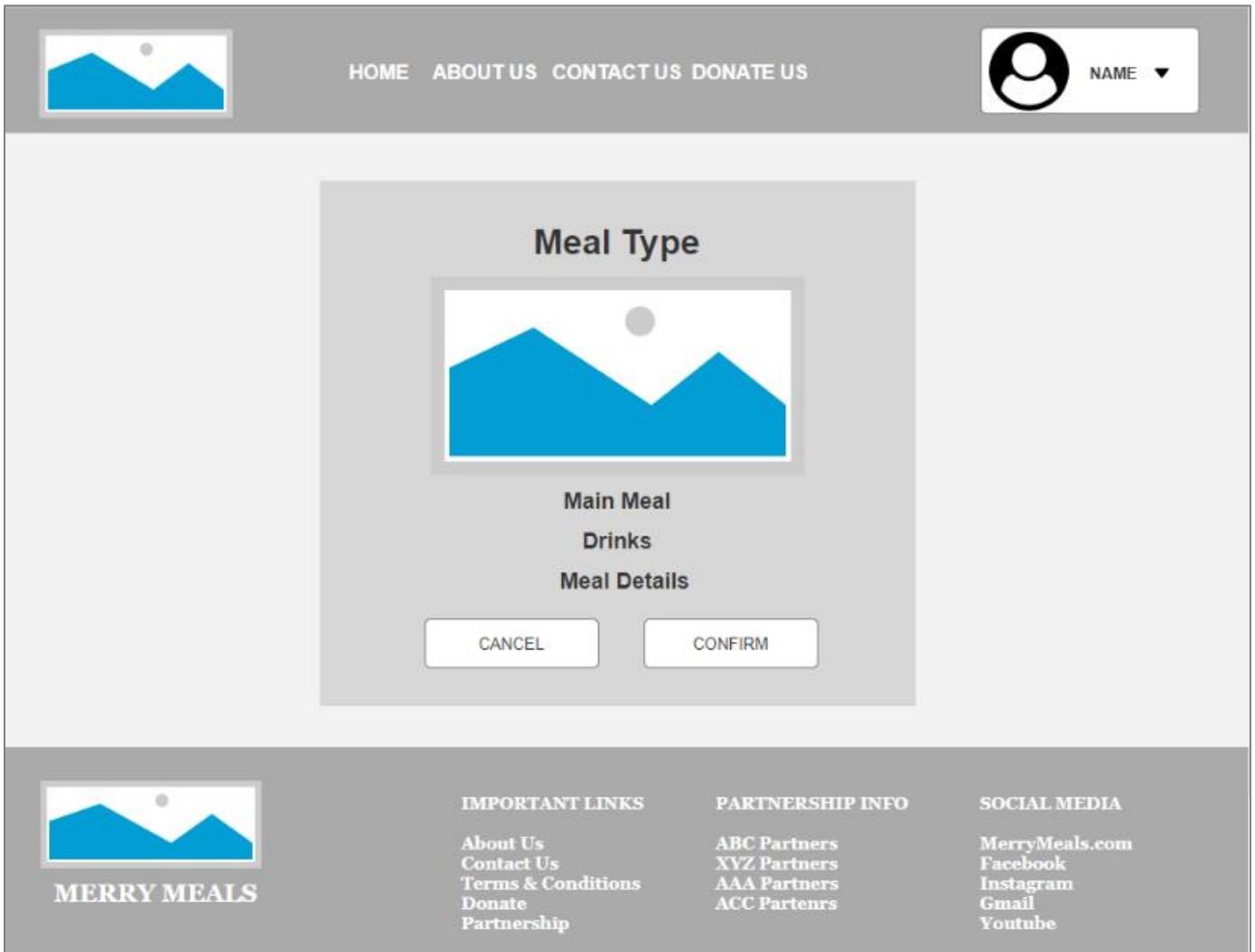
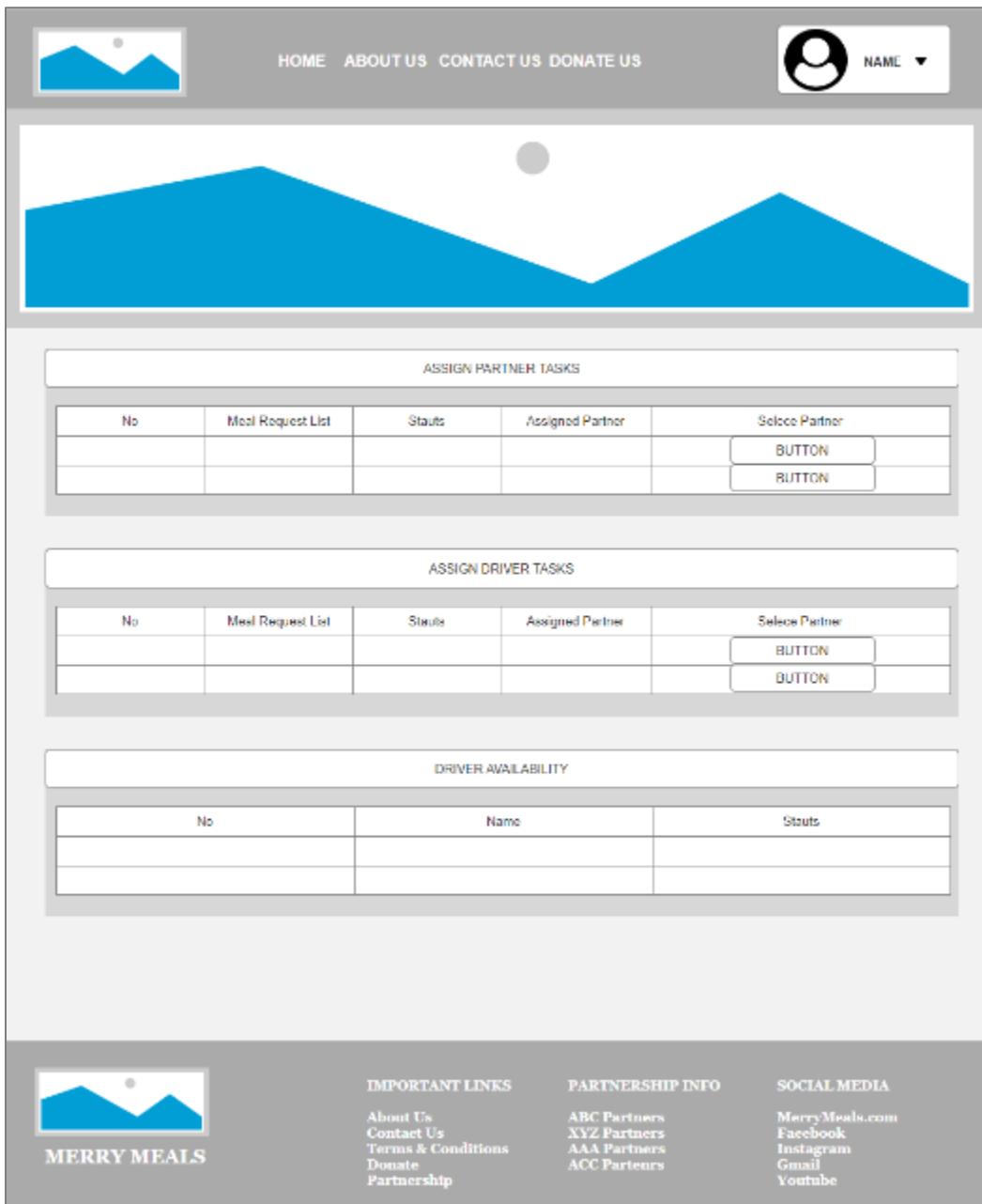


Figure 31 : Member View Meal

6.3.6. Caregiver Home



The screenshot shows the Caregiver Home dashboard for the Merry Meals application. At the top, there is a navigation bar with links for HOME, ABOUT US, CONTACT US, DONATE US, and a user profile icon labeled 'NAME ▾'. Below the navigation bar is a large blue triangular graphic element.

The main content area contains three sections:

- ASSIGN PARTNER TASKS**: A table with columns for No, Meal Request List, Status, Assigned Partner, and Select Partner. It includes two 'BUTTON' cells under the Select Partner column.
- ASSIGN DRIVER TASKS**: A similar table structure with columns for No, Meal Request List, Status, Assigned Partner, and Select Partner. It also includes two 'BUTTON' cells under the Select Partner column.
- DRIVER AVAILABILITY**: A table with columns for No, Name, and Status.

At the bottom of the page, there is a footer section with the Merry Meals logo, links to important pages like About Us, Contact Us, Terms & Conditions, Donate, and Partnership, partnership information for ABC Partners, XYZ Partners, AAA Partners, and ACC Partners, and social media links for MerryMeals.com, Facebook, Instagram, Gmail, and YouTube.

Figure 32: Caregiver Dashboard

6.3.7. Donation Home

The screenshot shows a website layout for "MERRY MEALS". At the top, there's a navigation bar with a logo on the left, followed by links for HOME, ABOUT US, CONTACT US, DONATE US, LOGIN, and REGISTER. Below the navigation is a large central image of blue mountains under a grey sky with a small sun. To the left of the image is a block of placeholder text (Lorem ipsum). At the bottom, there's a footer section with the "MERRY MEALS" logo, links for important pages like About Us and Contact Us, partnership information for ABC, XYZ, AAA, and ACC Partners, and social media links for MerryMeals.com, Facebook, Instagram, Gmail, and YouTube.

HOME ABOUT US CONTACT US DONATE US LOGIN REGISTER

MERRY MEALS

IMPORTANT LINKS

- About Us
- Contact Us
- Terms & Conditions
- Donate
- Partnership

PARTNERSHIP INFO

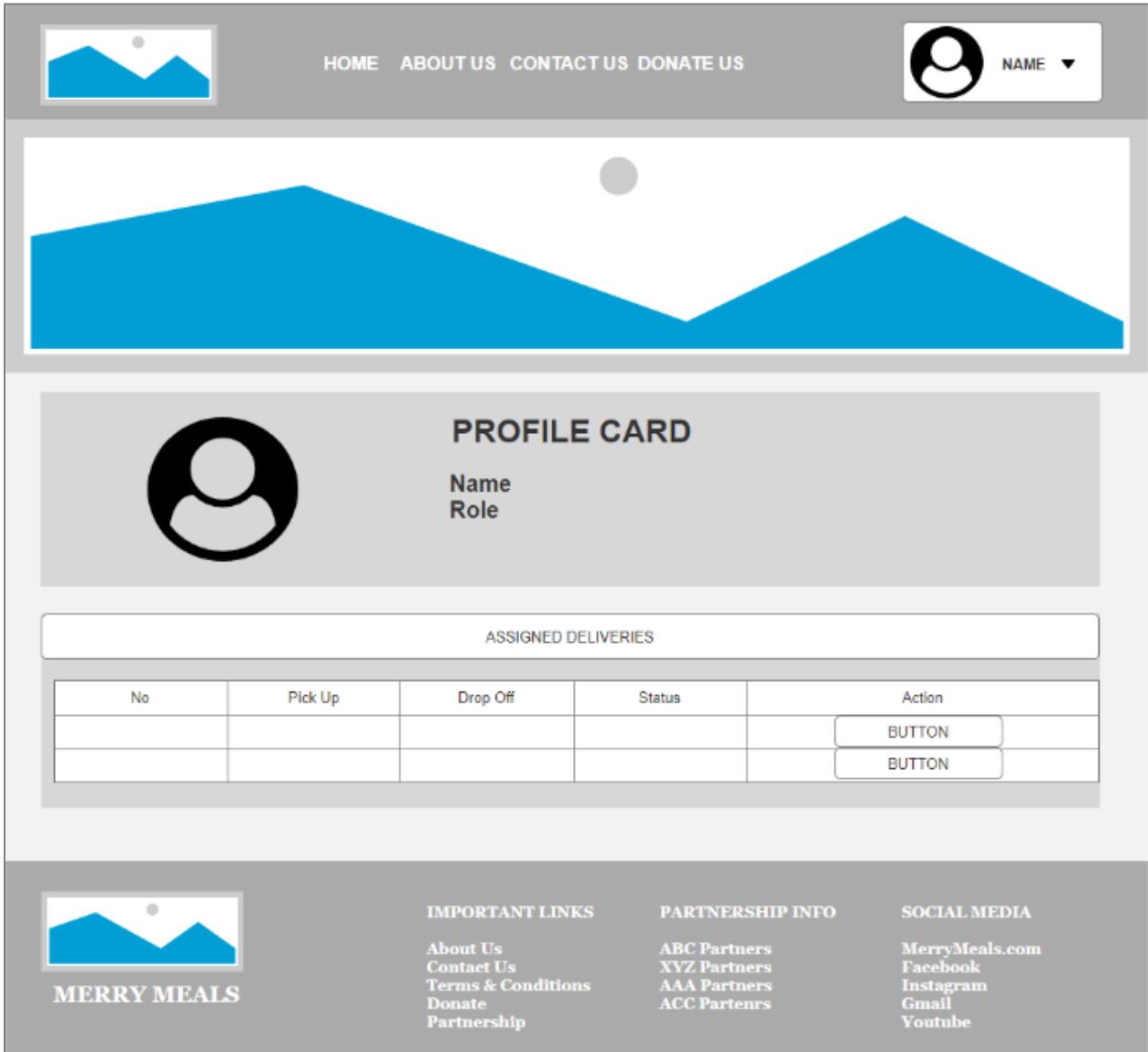
- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

SOCIAL MEDIA

- MerryMeals.com
- Facebook
- Instagram
- Gmail
- Youtube

Figure 33: Donation Home

6.3.8. Rider Home



The image shows a wireframe mockup of a Rider Home dashboard. At the top, there is a navigation bar with a logo of blue mountains and a sun, followed by links for HOME, ABOUT US, CONTACT US, DONATE US, and a user icon labeled NAME with a dropdown arrow. Below the navigation is a large blue triangular graphic element. The main content area is titled "PROFILE CARD" and features a placeholder for a profile picture. It displays the text "Name" and "Role". Below this is a section titled "ASSIGNED DELIVERIES" containing a table with columns for No., Pick Up, Drop Off, Status, and Action. The table has three rows, each with a "BUTTON" in the Action column. At the bottom, there is a footer bar with the "MERRY MEALS" logo, links for IMPORTANT LINKS (About Us, Contact Us, Terms & Conditions, Donate, Partnership), PARTNERSHIP INFO (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and SOCIAL MEDIA links (MerryMeals.com, Facebook, Instagram, Gmail, YouTube).

ASSIGNED DELIVERIES				
No	Pick Up	Drop Off	Status	Action
				BUTTON
				BUTTON

MERRY MEALS

IMPORTANT LINKS

About Us
Contact Us
Terms & Conditions
Donate
Partnership

PARTNERSHIP INFO

ABC Partners
XYZ Partners
AAA Partners
ACC Partners

SOCIAL MEDIA

MerryMeals.com
Facebook
Instagram
Gmail
Youtube

Figure 34: Rider Dashboard

Partner Home Page



HOME ABOUT US CONTACT US DONATE US

NAME ▾



MEAL PACKAGE LIST

Meal	Main Meal	Drinks	Details	Image

TASK

No	Meal Request List	Status	Assigned Partner	Select Partner
				<button>BUTTON</button>
				<button>BUTTON</button>



MERRY MEALS

IMPORTANT LINKS

About Us
Contact Us
Terms & Conditions
Donate
Partnership

PARTNERSHIP INFO

ABC Partners
XYZ Partners
AAA Partners
ACC Partners

SOCIAL MEDIA

MerryMeals.com
Facebook
Instagram
Gmail
Youtube

6.3.9. Request Partnership

The screenshot shows a web page with a dark grey header bar. In the top left corner is a logo featuring blue mountains and a white sun. To the right of the logo are navigation links: HOME, ABOUT US, CONTACT US, DONATE US, LOGIN (in a light blue box), and REGISTER (in a blue box). Below the header is a large, semi-transparent white modal dialog titled "REQUEST PARTNERSHIP". The modal contains several input fields: "Company Name" (empty), "Company Email" (empty), "Company Address" (empty), "Password" (empty), and "Upload Image" (with a "CHOOSE FILE" button and an empty file input field). At the bottom of the modal are two buttons: a blue "SEND REQUEST" button and a blue "REGISTER" button. At the very bottom of the page is a footer bar with the "MERRY MEALS" logo on the left. The footer is divided into three columns: "IMPORTANT LINKS" (About Us, Contact Us, Terms & Conditions, Donate, Partnership), "PARTNERSHIP INFO" (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and "SOCIAL MEDIA" (MerryMeals.com, Facebook, Instagram, Gmail, YouTube).

IMPORTANT LINKS		PARTNERSHIP INFO	SOCIAL MEDIA
About Us		ABC Partners	MerryMeals.com
Contact Us		XVZ Partners	Facebook
Terms & Conditions		AAA Partners	Instagram
Donate		ACC Partners	Gmail
Partnership			Youtube

Figure 35: Request Parntership

6.3.10. Admin Home

The screenshot displays the Admin Home interface with the following sections:

- Provide Partner Tasks:** A table with columns: No, Meal Request List, Status, Assigned Partner, and Select Partner. It includes two buttons labeled "BUTTON".
- Meal Package List:** A table with columns: Meal, Main Meal, Drinks, Details, and Image.
- New User Request Approval:** A table with columns: Name, Role, and Assign Role. It includes two buttons labeled "BUTTON".
- Assign Volunteer In a Specific Role:** A table with columns: Name, Role, and Assign Role. It includes two buttons labeled "BUTTON".

MERRY MEALS logo and navigation links (HOME, ABOUT US, CONTACT US, DONATE US) are visible at the top. A user profile icon and "NAME ▾" are also present.

Figure 36: Admin Home

6.3.11. Admin Manage Users

The screenshot shows a web application interface for managing users. At the top, there is a header bar with a logo on the left, followed by navigation links: HOME, ABOUT US, CONTACT US, DONATE US, and a user profile icon with a dropdown menu labeled 'NAME ▾'. Below the header is a table titled 'MANAGE USERS' with columns: No, Name, Address, Email, Gender, Role, File, and Action. The table body contains 8 rows, each with a 'BUTTON' in the Action column. At the bottom of the page is a footer section with the 'MERRY MEALS' logo, links to 'IMPORTANT LINKS' (About Us, Contact Us, Terms & Conditions, Donate, Partnership), 'PARTNERSHIP INFO' (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and 'SOCIAL MEDIA' links (MerryMeals.com, Facebook, Instagram, Gmail, Youtube).

No	Name	Address	Email	Gender	Role	File	Action
							BUTTON
							BUTTON
							BUTTON
							BUTTON
							BUTTON
							BUTTON
							BUTTON

IMPORTANT LINKS

- About Us
- Contact Us
- Terms & Conditions
- Donate
- Partnership

PARTNERSHIP INFO

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

SOCIAL MEDIA

- MerryMeals.com
- Facebook
- Instagram
- Gmail
- Youtube

Figure 37: Admin Manage Users

6.3.12. Meal History

The screenshot shows the Merry Meals website's meal history section. At the top, there is a navigation bar with links for HOME, ABOUT US, CONTACT US, DONATE US, and a user profile icon labeled "NAME". Below the navigation bar is a header titled "MEAL HISTORY". A table is displayed with columns for No, Name, Meal Package, Deliver To, Order On, Prepare By, Deliver By, and Status. There are eight rows in the table, each corresponding to a meal entry. At the bottom of the page, there is a footer section containing the Merry Meals logo, links to important pages like About Us, Contact Us, Terms & Conditions, Donate, and Partnership, and links to their partnership programs (ABC Partners, XYZ Partners, AAA Partners, ACC Partenrs). The footer also includes social media links for MerryMeals.com, Facebook, Instagram, Gmail, and YouTube.

No	Name	Meal Package	Deliver To	Order On	Prepare By	Deliver By	Status

IMPORTANT LINKS

- About Us
- Contact Us
- Terms & Conditions
- Donate
- Partnership

PARTNERSHIP INFO

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partenrs

SOCIAL MEDIA

- MerryMeals.com
- Facebook
- Instagram
- Gmail
- Youtube

Figure 38: Meal History

6.3.13. View Profile Details

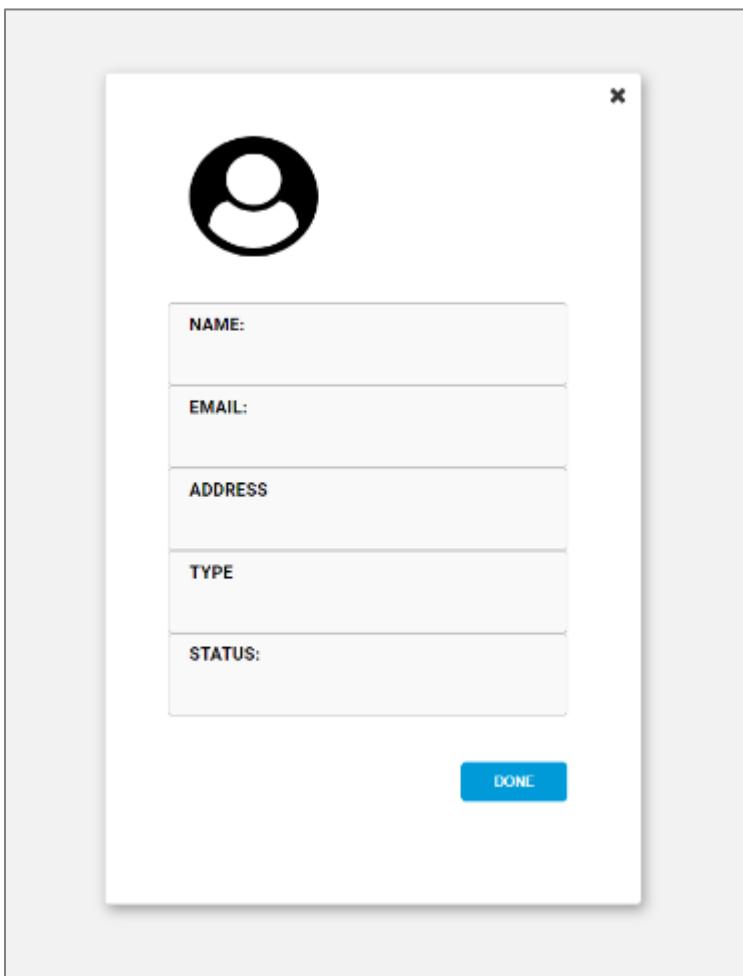


Figure 39: View Profile Details

6.3.14. About Us

The screenshot shows the 'ABOUT US' section of a website. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT US, DONATE US, LOGIN, and REGISTER. Below the navigation is a large blue header with the text 'ABOUT US' in white. To the left of the main content area, there's a block of placeholder text (Lorem ipsum) and a small placeholder image. The main content area features three team leader profiles, each with a placeholder image, a title like 'POSITION NAME', and a 'MESSAGE' button. At the bottom, there's a footer with the 'MERRY MEALS' logo, links to 'IMPORTANT LINKS' (About Us, Contact Us, Terms & Conditions, Donate, Partnership), 'PARTNERSHIP INTO' (ABC Partners, XYZ Partners, AAA Partners, ACC Parteurs), and 'SOCIAL MEDIA' (links to MerryMeals.com, Facebook, Instagram, Gmail, and YouTube).

ABOUT US

HOME ABOUT US CONTACT US DONATE US LOGIN REGISTER

MEET OUR TEAM LEADERS

POSITION NAME

MESSAGE

POSITION NAME

MESSAGE

POSITION NAME

MESSAGE

MERRY MEALS

IMPORTANT LINKS

- About Us
- Contact Us
- Terms & Conditions
- Donate
- Partnership

PARTNERSHIP INTO

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Parteurs

SOCIAL MEDIA

- MerryMeals.com
- Facebook
- Instagram
- Gmail
- Youtube

Figure 40: About Us

6.3.15. Contact Us

The screenshot shows the 'CONTACT US' section of the Merry Meals website. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT US, DONATE US, LOGIN, and REGISTER. Below the navigation is a large blue header with the text 'CONTACT US'. To the left, there's a grey sidebar with fields for LOCATION, EMAIL ADDRESS, and TELEPHONE NUMBER. A central modal window titled 'SEND A MESSAGE' contains input fields for Name, Email, and Message, along with a blue 'SEND' button. At the bottom, there's a footer with the Merry Meals logo, links to IMPORTANT LINKS (About Us, Contact Us, Terms & Conditions, Donate, Partnership), PARTNERSHIP INFO (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and SOCIAL MEDIA links (MerryMeals.com, Facebook, Instagram, Gmail, YouTube).

LOCATION
EMAIL ADDRESS
TELEPHONE NUMBER

SEND A MESSAGE

Name

Email

Message

SEND

IMPORTANT LINKS

About Us
Contact Us
Terms & Conditions
Donate
Partnership

PARTNERSHIP INFO

ABC Partners
XYZ Partners
AAA Partners
ACC Partners

SOCIAL MEDIA

MerryMeals.com
Facebook
Instagram
Gmail
Youtube

MERRY MEALS

Figure 41: Contact Us

6.3.16. Feedback

The screenshot shows the Merry Meals website's feedback page. At the top, there is a navigation bar with a logo, links for HOME, ABOUT US, CONTACT US, DONATE US, and a user profile icon labeled "NAME". A modal window titled "GIVE US FEEDBACK" is centered on the page, containing fields for Name, Email, and Feedback, along with a blue "SUBMIT" button. Below the modal, the website's footer features the "MERRY MEALS" logo, links for Important Links (About Us, Contact Us, Terms & Conditions, Donate, Partnership), Partnership Info (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and Social Media links (MerryMeals.com, Facebook, Instagram, Gmail, YouTube).

IMPORTANT LINKS	PARTNERSHIP INFO	SOCIAL MEDIA
About Us Contact Us Terms & Conditions Donate Partnership	ABC Partners XYZ Partners AAA Partners ACC Partners	MerryMeals.com Facebook Instagram Gmail Youtube

Figure 42: Feedback

6.4. Story Board

6.4.1. Landing Page

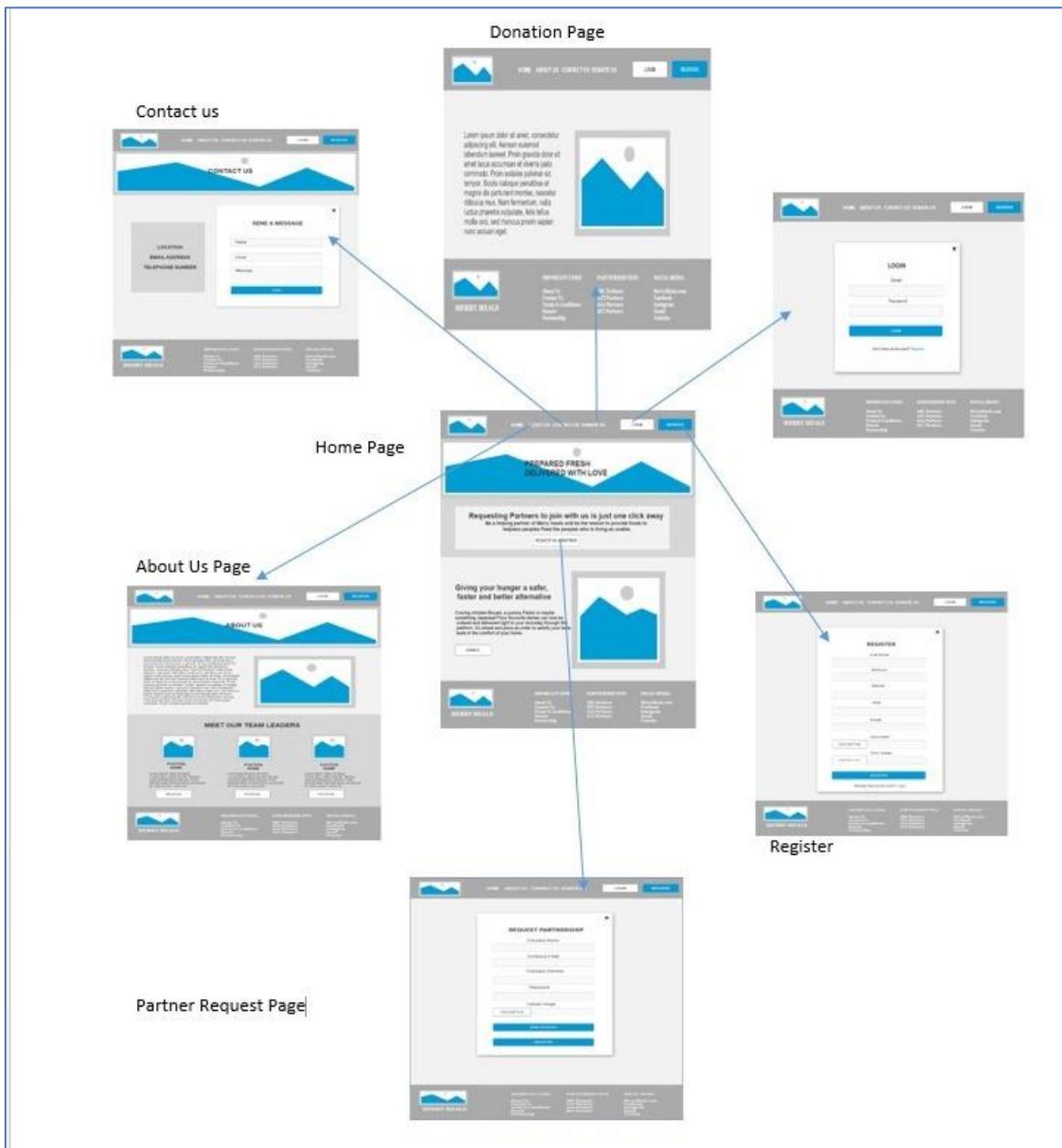


Figure 43: Landing Page

6.4.2. Member Login

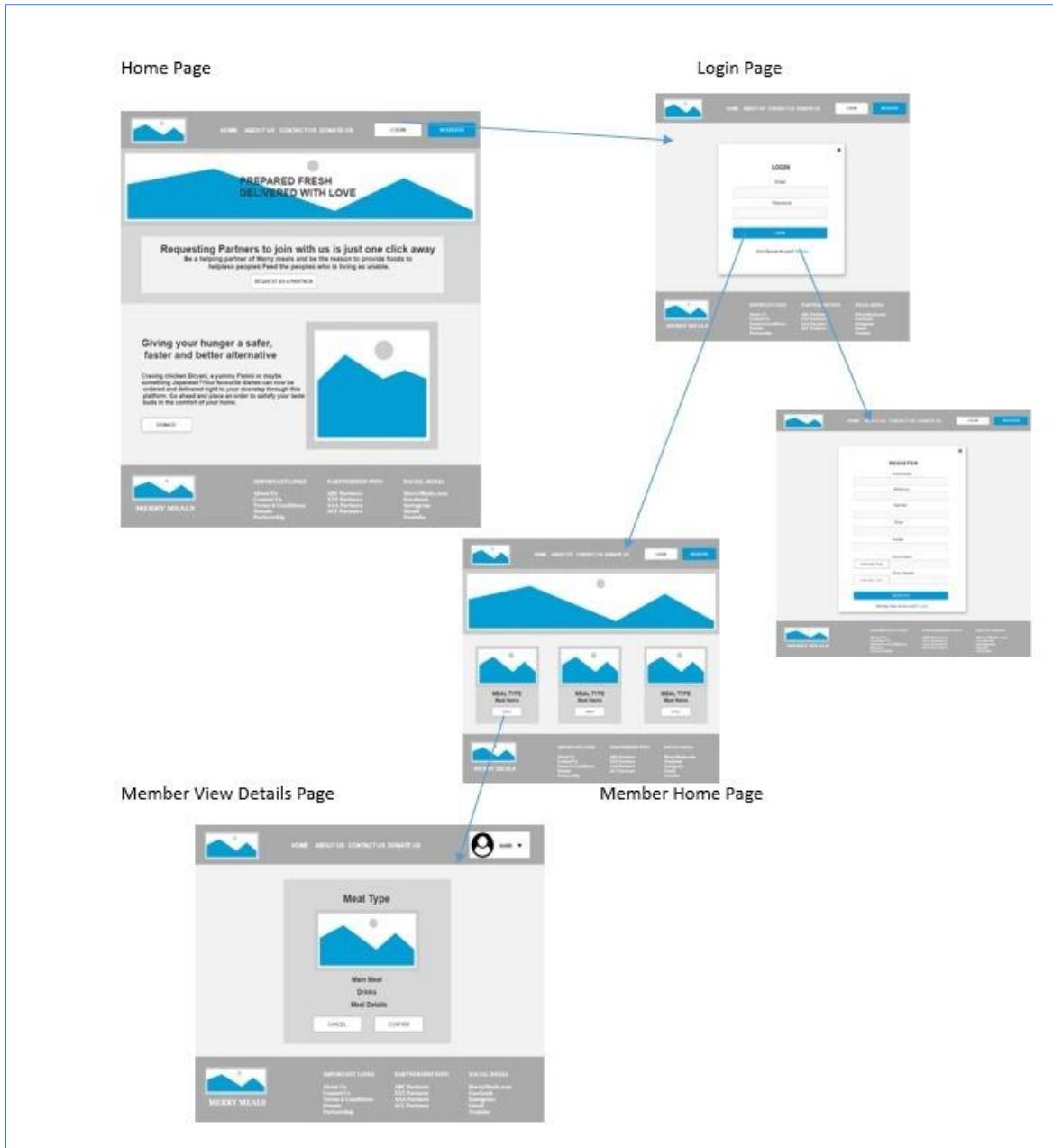
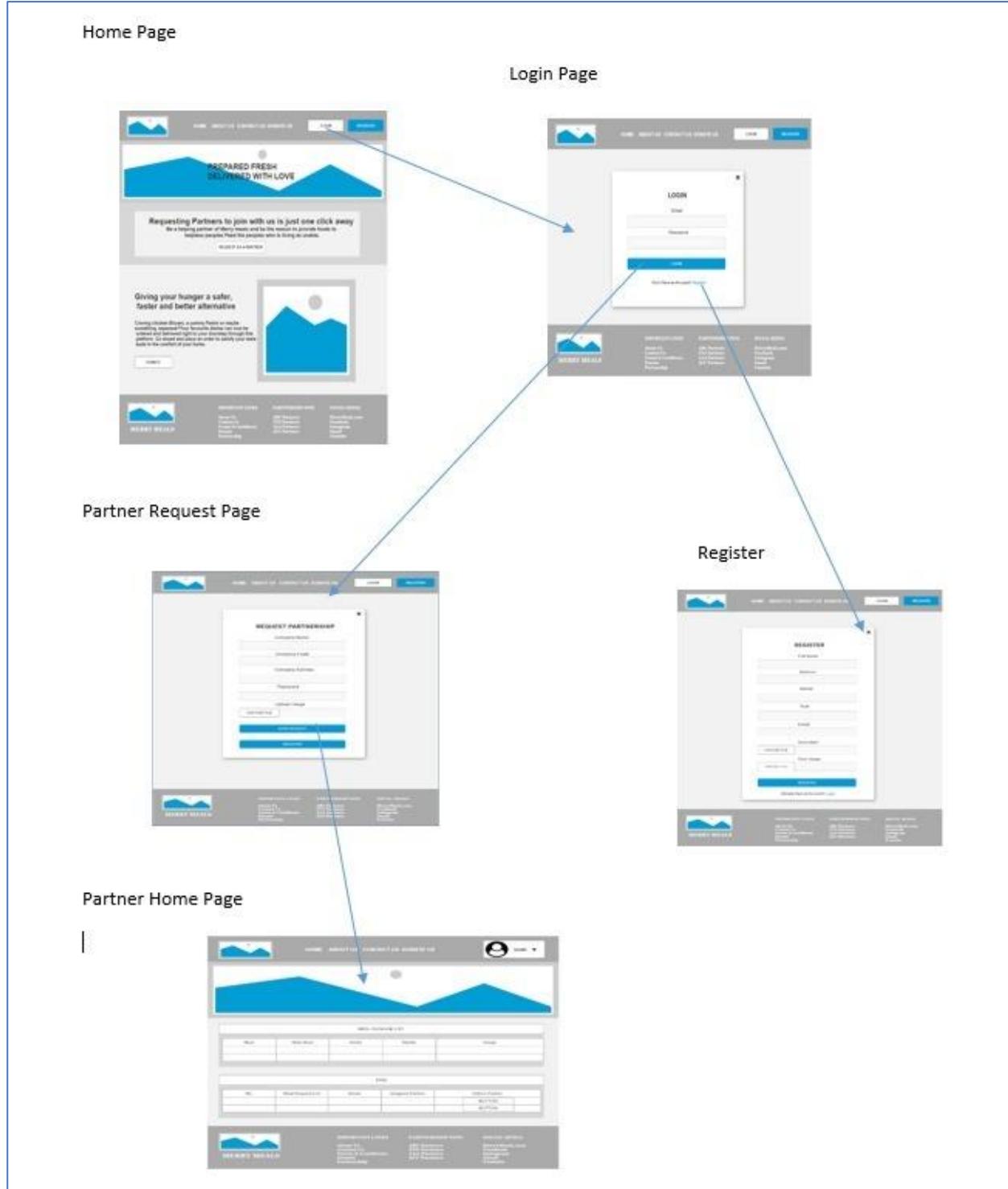


Figure 44: Member Login

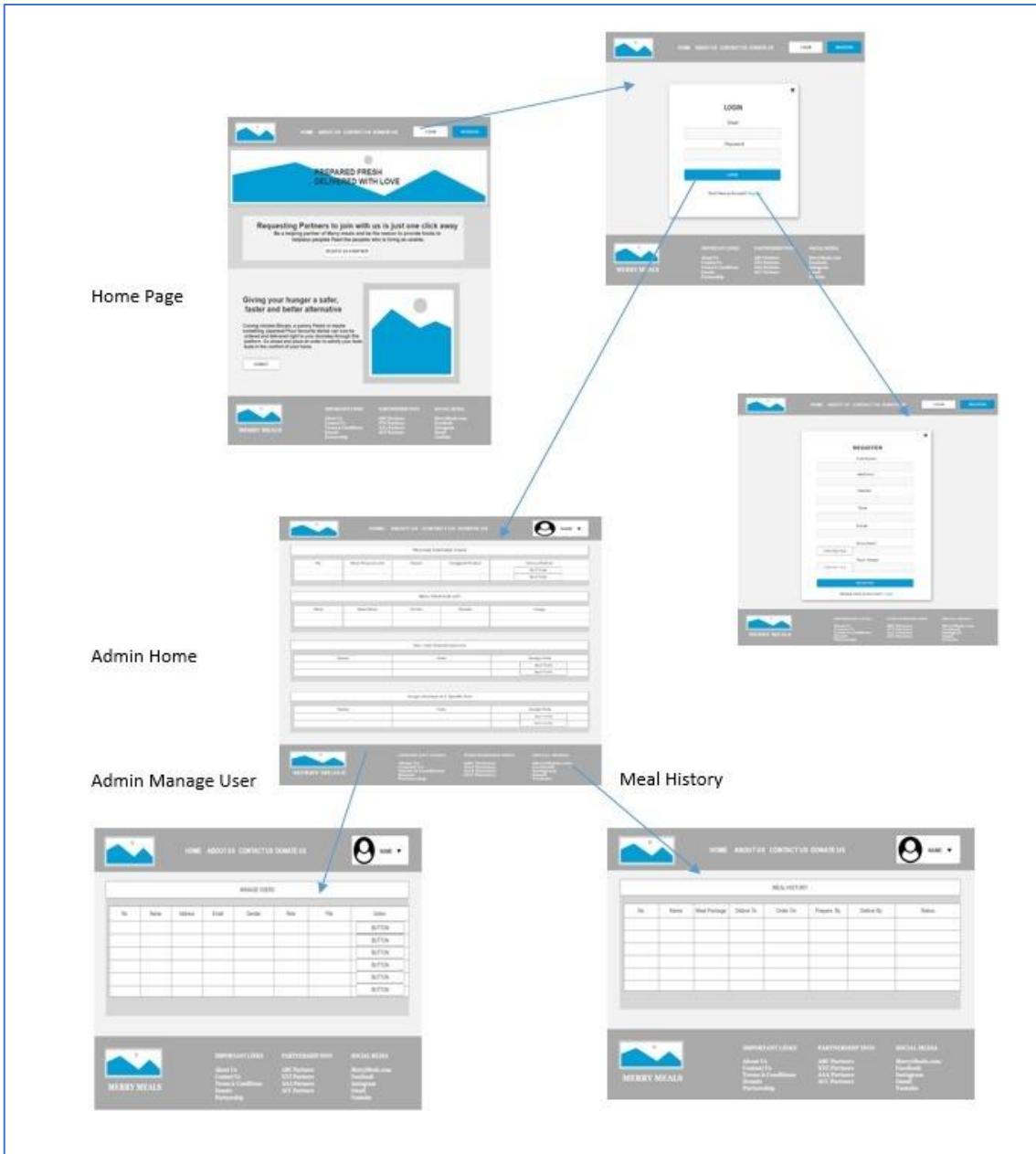
6.4.3. Rider Login



6.4.4. Partner Login



6.4.5. Admin Panel



6.5. DB Design: ERD diagram and EERD (Class diagram)

6.5.1. ERD Diagram

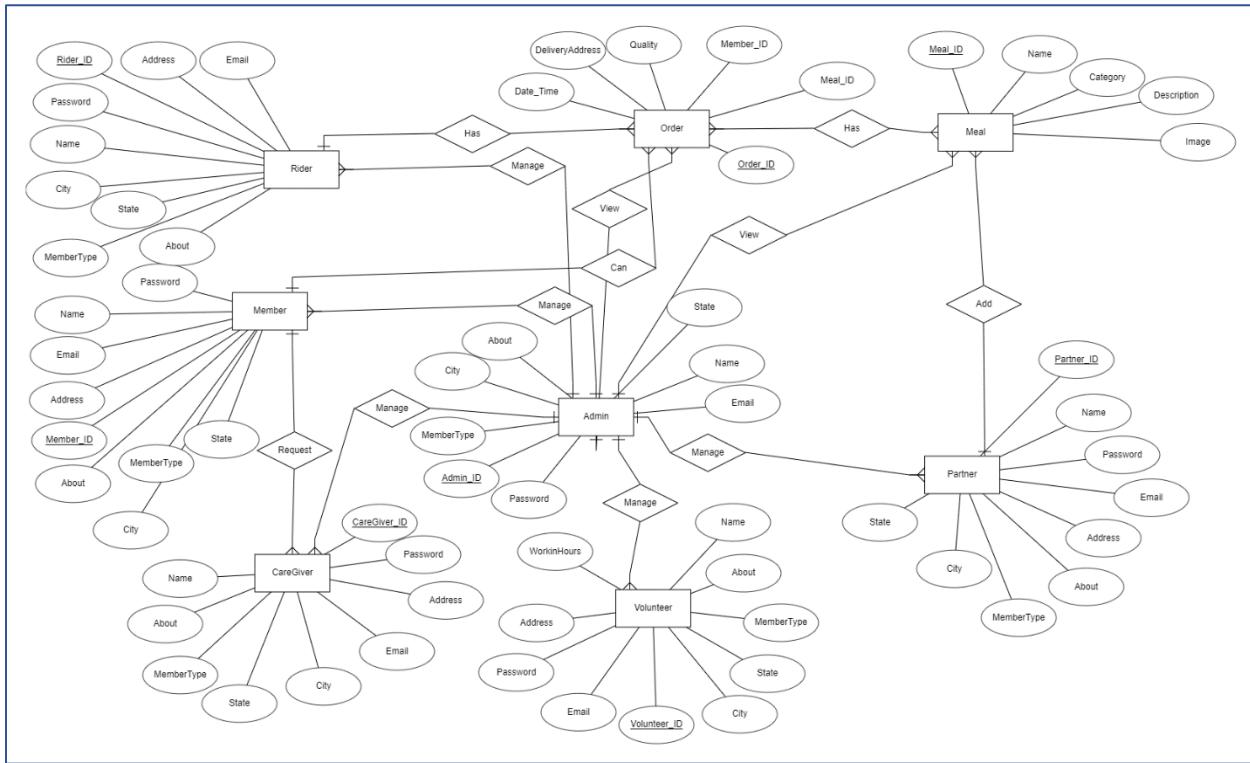


Figure 48: ERD Diagram

6.5.2. EERD

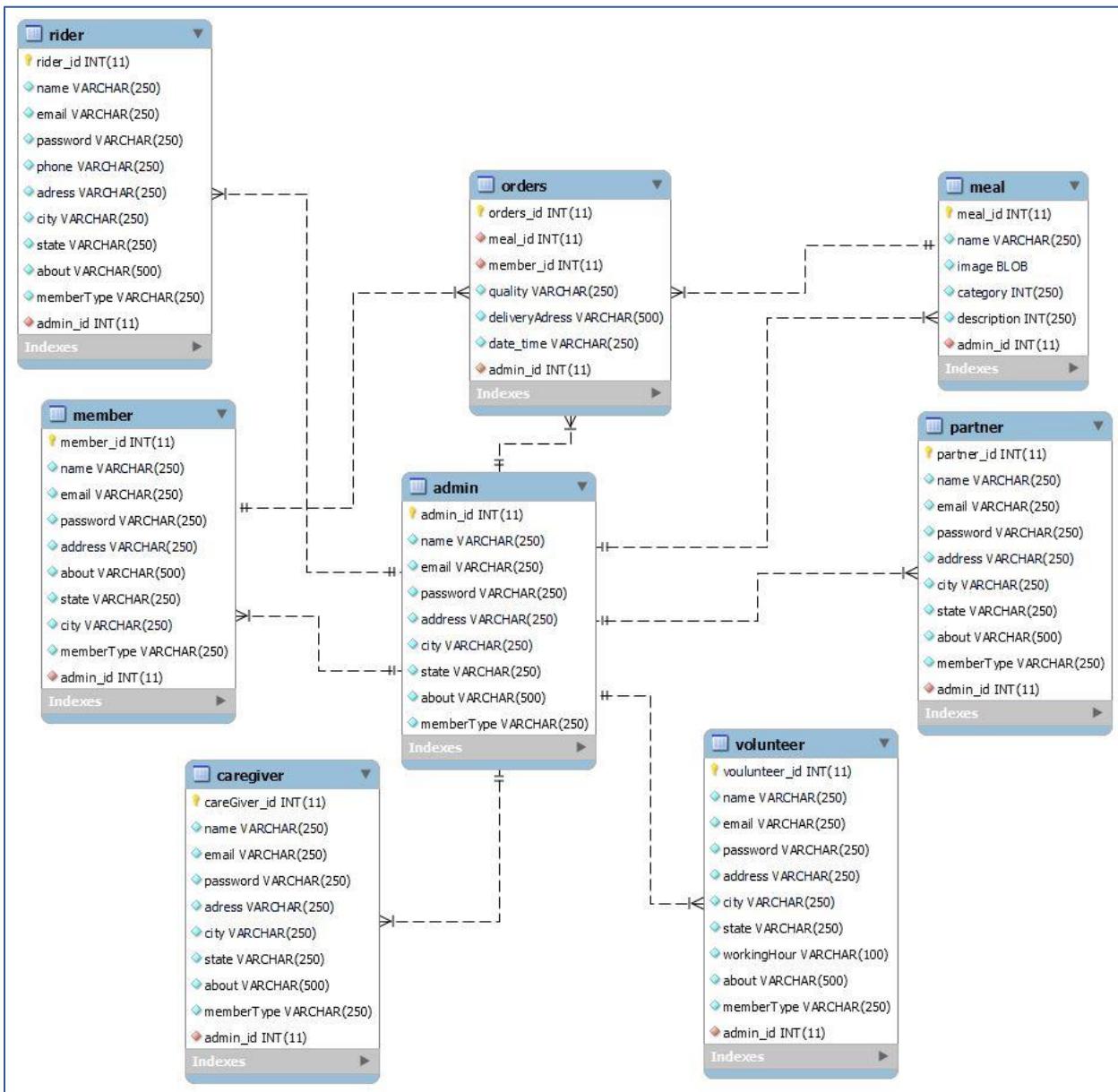


Figure 49: EERD

7) Testing

01) Functional Testing - UAT Testing

✓ Registration

Test Scenario	Registration
TS001	
Test Cases	Registration in Merry Meals Food Portal Website
TC001	Validating data that is input into registration form
TC002	After user submitting correct data it should show registration Successful Message

Test Scenario ID	Test Case ID	Test Priority	Preconditions	Expected Result	Actual Result	Final Result
TS001	TC001	High	Merry Meals Portal Website hosted on server	All field is needed except "about" subject if the user input clean statistics It ought to throw an error	As expected	Pass
Test Data		Full Name = " _____ " Address = Kandy, Sri Lanka Gender = Female Role = Member Email = aarvi@gmail.com Password = 169831 Qualification File Upload Image Upload				
Evidence		Fig: TS001 – TC001				

Test Scenario ID	Test Case ID	Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result
TS001	TC002	High	Merry Meal Food Portal Website hosted on a server	Appear registration successful message and add their records on databasee	As expected	Pass
Test Data	Full Name = Aarvi Address = Kandy, Sri Lanka Gender = Female Role = Member Email = aarvi@gmail.com Password = 169831 Qualification File Upload Image Upload					
Evidence	Fig: TS001 – TC002 (1) Fig: TS001 – TCOO2 (2)					

Fig: TS001 – TC001

Login'."/>

The screenshot shows the 'REGISTER' page of the Merry Meals website. The page has a yellow background. At the top, there is a navigation bar with links to Home, About Us, Contact Us, and Donate Us. On the right side of the navigation bar are 'Login' and 'Register' buttons. The main content area is titled 'REGISTER'. It contains several input fields: 'Full Name' (highlighted with a red box and has a validation message 'Please fill out this field.'), 'Country/State' (set to 'Kandy/Sri Lanka'), 'Gender' (set to 'Male'), 'Role' (set to 'Member'), 'Email' (containing 'aarvi@gmail.com'), 'Password' (containing '*****'), 'Qualification File Upload' (with a file chosen 'pw.txt'), 'Image Upload' (with a file chosen 'default-profile (1).png'), and a 'Register' button. Below the form, a note says 'Already have an account? [Login](#)'. At the bottom of the page, there is a footer with links to 'Important Links' (About Us, Contact Us, terms & Conditions, Donate, Partnership), 'Partners Information' (ABC Partners, XYZ Partners, AAA Partners, ACC Partners), and 'Get in Touch' (MeerMeals.com, Facebook, Instagram, Gmail, YouTube). The footer also includes the copyright notice '© 2021 Copyright MerryMeals'.

Important Links

- About Us
- Contact Us
- terms & Conditions
- Donate
- Partnership

Partners Information

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

Get in Touch

- MeerMeals.com
- Facebook
- Instagram
- Gmail
- YouTube

© 2021 Copyright MerryMeals

Evidence: Fig: TS001 – TCOO2 (2)

The Institute for Food and Development Policy, better known as Merry Meals (Meals on Wheels).

Important Links

- About Us
- Contact Us
- Terms & Conditions
- Donate
- Partnership

Partners Information

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

Get in Touch

- MeerMeals.com
- Facebook
- Instagram
- Gmail
- YouTube

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

© 2021 Copyright: MerryMeals

✓ [Login](#)

Test Scenario	Login
TS002	Test Cases
TC001	Login to Merry Meals Food Portal
TC002	Validating data that is input into the login form
TC003	Check that the login button loads the correct page when logged in.
	Check access website from the user with the role "USER" and user with role "ADMIN"

Test Scenario ID	Test Case ID		Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result
TS002	TC001		High	Merry Meals Food Portal Website hosted on a server	When trying to login in after inputting an incorrect password , an error message is displayed	As expected	Pass
Test Data		Email = aarvi@gmail.com Password = "12345678" (correct password = 169831)					
Evidence		Fig: TS003 – TC001					
Test Scenario ID	Test Case ID	Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result	
TS002	TC002	High	Merry Meals Food Portal Website hosted on a server	After entering the details correctly and clicking the login button, the user will be logged in to the profile page	As expected	Pass	
Test Data		Email = aarvi@gmail.com Password = 169831					
Evidence		Fig: TS003 – TC002 (1) Fig: TS003 – TC002 (2)					

Evidence: Fig: TS002 – TC001

The screenshot shows the Merry Meals website's login interface. At the top, there is a navigation bar with links for Home, About Us, Contact Us, and Donate Us. On the right side of the navigation bar are two buttons: 'Login' and 'Register'. Below the navigation bar is a large yellow 'LOGIN' button. In the center of the page, a modal window is displayed with a white background and a red error message: 'Bad credentials'. Below the message is a black 'Try Again' button. In the bottom right corner of the modal, there is a small 'X' icon to close it. At the very bottom of the page, there is a footer section containing text about the organization, links to 'Important Links' and 'Partners Information', and social media links under 'Get in Touch'.

The Institute for Food and Development Policy, better known as Merry Meals (Meals on Wheels).

Important Links

- About Us
- Contact Us
- terms & Conditions
- Donate
- Partnership

Partners Information

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

Get in Touch

- MeerMeals.com
- Facebook
- Instagram
- Gmail
- YouTube

02) Functional Testing – Performance Testing

Test Scenario	Ensure that the user or admin can access the home page at the required time.
TS004	Test Cases
TC001	Performance Testing
TC002	Test cases Loading Time/ speed checking out
TC003	Allocate the login web page to the index page at login load time.
	To look how long it takes for the user to come back to the home page and sign up and log in.

Test Scenario ID	Test Case ID	Test Priority	Pre-conditions	Expected Result	Actual Result	Final Result
TS004	TC001	Internet access required	Admin/User successful registration	After users/admins registered,	As expected	Pass
Test Data		Register Full Name = Boo Address = Dakha, Bangladesh Gender = Male Role = Member Email = boo@gmail.com Password = 169831 Qualification File Upload Image Upload Click Register button It will appear registration thank u page Click "home" button to return home page				
Evidence		Fig: TS006 – TC001 (1)				

Evidence: Fig: TS004 – TC001 (1) – Home to Register

The image shows a two-step process for user registration on the Merry Meals website.

Step 1: Home Page

The top half of the image displays the Merry Meals homepage. It features a banner with the text "PREPARED FRESH DELIVERED WITH LOVE" overlaid on images of various meals. At the top right, there are "Login" and "Register" buttons, both enclosed in a red rectangular box. A large red arrow points from the bottom of the home page down to the registration form.

Step 2: Registration Form

The bottom half of the image shows the "REGISTER" form. The form is yellow and contains the following fields:

- Full Name
- Address
- Gender (Male dropdown)
- Role (Member dropdown)
- Email
- Password
- Qualification File Upload (Choose File button, No file chosen)
- Image Upload (Choose File button, No file chosen)

A large black "Register" button is at the bottom of the form. Below it, a link says "Already have an account? [Login](#)".

Page Footer

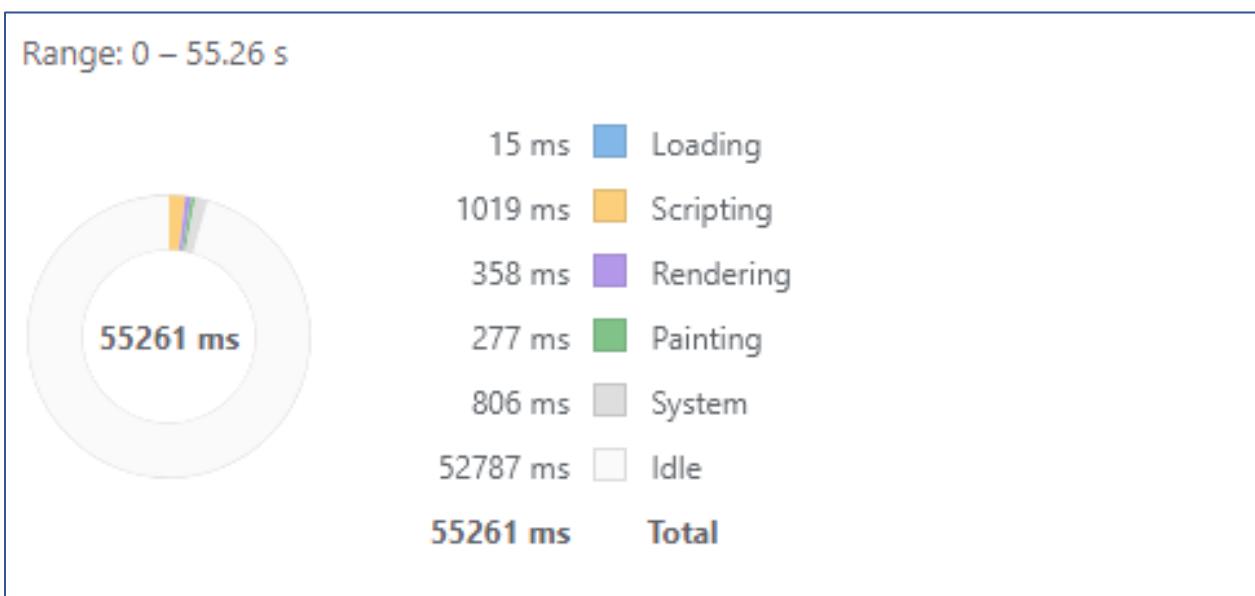
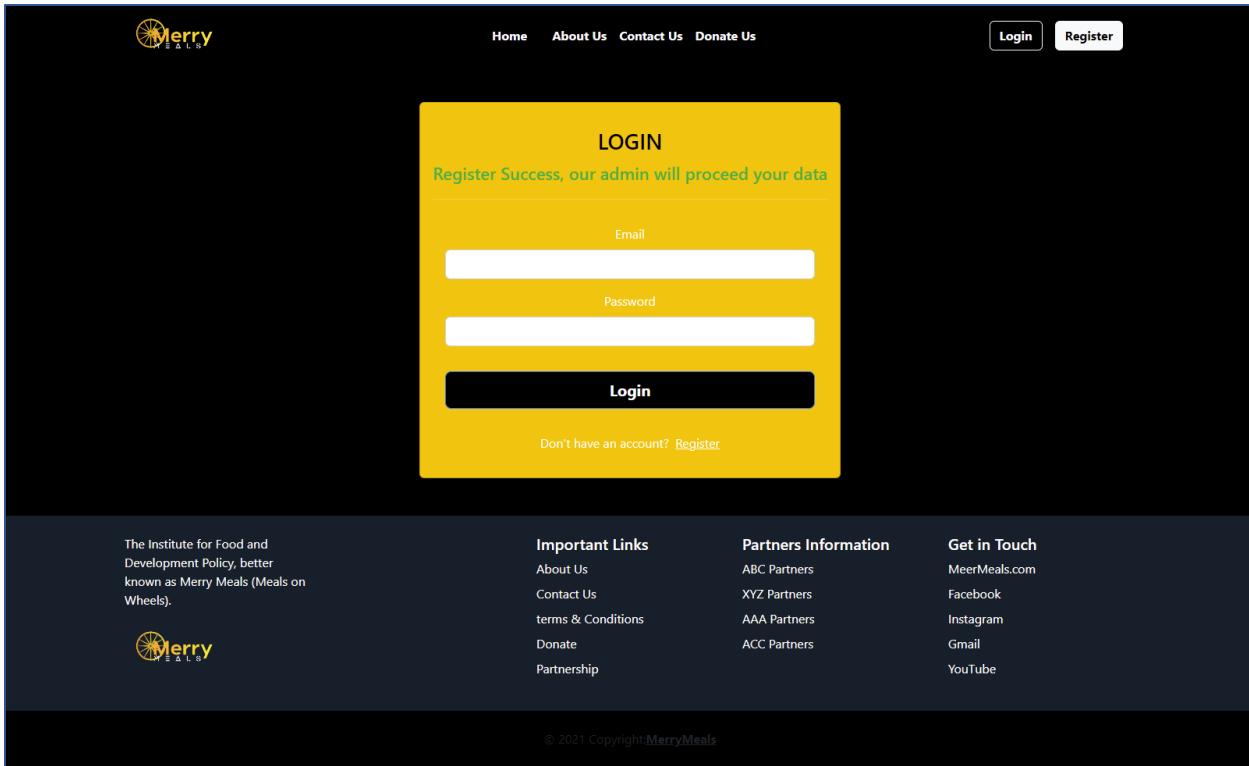
The footer contains the following information:

- The Institute for Food and Development Policy, better known as Merry Meals (Meals on Wheels).**
- Important Links**: About Us, Contact Us, terms & Conditions, Donate, Partnership.
- Partners Information**: ABC Partners, XYZ Partners, AAA Partners, ACC Partners.
- Get in Touch**: MeerMeals.com, Facebook, Instagram, Gmail, YouTube.

At the very bottom center, it says "© 2021 Copyright MerryMeals".

Evidence: Fig: TS004 – TC001 (3) – Register to Login (User have to wait for admin approval. After admin approval user can login to the their profile)

(The results show that it took 55sec for the user to go from the login to the home page)



03) Usability Testing – TSS05

✓ Registration

Participant Name	TOT (Seconds)	UER	TSR	Observation	Feedback
Chathu	47	0	Success	All good	No feedback
Tamim	53	2	Success	Not entering phone code	Easy to register
Hashini	39	1	Success	Not select gender	Better to add county field
Aarvi	41	0	Success	All good	You could make the font size little bit bigger
Boo	43	0	Success	All good	Change colors

	TOT	UER	TSR
Average Score	30	30%	100%

✓ **Update Profile – TSS06**

Participant	TOT	UER	TSR	Observation	Feedback
Name	(Seconds)				
Chathu	32	0	Success	All good	Try to add profile cove
Tamim	52	1	Success	Trying to change email	Add dark colours
Hashini	44	0	Success	All good	You could make the font size little bit bigger
Aarvi	32	1	Success	Trying to change email	No feedback
Boo	20	0	Success	All good	Add other qualification section

	TOT	UER	TSR
Average Score	36%	28%	100%

CSAT

Participant Name	Satisfaction Score	Reason
Chathu	9	Good color palette
Tamim	10	Easy to Handle
Hashini	7	Cool website
Aarvi	8	Superb website
Boo	8	like the color

Average CSAT Score	20%
--------------------	-----

NPS

Participant Name	Promoting Score	Reason
Chathu	9	Good functionality
Tamim	5	Could be improved at some point
Hashini	9	Easy to use
Aarvi	8	Easy to handle
Boo	7	Cool website

NPS	40%
-----	-----

04) Compatibility Testing

✓ Registration – TS007

Sce nari o ID	Test Case ID	Test Case	Precon ditions	Test Step	Test Data	Expect ed Results	Actual Result s	Pas s / Fail
CBT S00 1	CBT0 1	Check the register user is workin g correctl y.	Merry Meal Food Portal website has complet ed and uploade d on server	1. Go to Google chrom e type localho st:300 0	In Registration Page, input test data Full Name = Boo Address = Dakha, Bangladesh Gender = Male Role = Member Email = boo@gmail. com Password = 169831 Qualification File Upload Image Upload Click Register button Click Register button	1. Loaded the registrat ion successf ul messag e and waiting for admin approva l	As expecte d,	Pass

					In Registration Page, input test data Full Name = bee Address = Dakha, Bangladesh Gender = Male Role = Member Email = bee@gmail. com Password = 169831 Qualification File Upload Image Upload Click Register button Click Register button	1. Loaded the Thank you correctly.	As expected ,	Pass
CBT S001	CBT02	Check that registrati on page is working correctly on Mozilla Firefox.	Merry Meals website has complete d and uploaded on server	Go to MS Edge type localhos t:8080				

Evidence: Fig: CBTS001 – CBT01

Full Name
Boo

Address
Dakha Bangladesh

Gender
Male

Role
Member

Email
boo@gmail.com

Password

Qualification File Upload
Choose File pw.txt

Image Upload
Choose File default-profile (1).png

Register

Already have an account? [Login](#)

LOGIN

Register Success, our admin will proceed your data

Email

Password

Login

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

Merry Meals

[Home](#) [About Us](#) [Contact Us](#) [Donate Us](#) [Login](#) [Register](#)

Important Links

- About Us
- Contact Us
- terms & Conditions
- Donate

Partners Information

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

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Evidence: Fig: CBTS001 – CBT02 – Microsoft Edge

A screenshot of a Microsoft Edge browser window showing a registration form. The title bar says "Meals On Wheels" and the address bar shows "localhost:3000/register". The page has a dark background with a yellow registration form in the center. The form is titled "REGISTER" and contains fields for Full Name (heee), Address (Dakha Bangladesh), Gender (Male), Role (Member), Email (heee@gmail.com), and Password (*****). There is also a "Qualification File Upload" field.

REGISTER

Full Name
heee

Address
Dakha Bangladesh

Gender
Male

Role
Member

Email
heee@gmail.com

Password

Qualification File Upload

A screenshot of a Microsoft Edge browser window showing a login page. The title bar says "Meals On Wheels" and the address bar shows "localhost:3000/login?msg=Register%20success.%20our%20admin%20will%20proceed%20your%20data". The page has a dark background with a yellow login form in the center. The form is titled "LOGIN" and displays a success message: "Register Success, our admin will proceed your data". It has fields for Email and Password, and a "Login" button. Below the form, it says "Don't have an account? [Register](#)".

LOGIN

Register Success, our admin will proceed your data

Email

Password

Login

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

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05) Portability Testing

✓ Registration Page – Phone Mode

Test Scenario	Registration Page
TS08	
Test Cases	Register in Merry Meal Food Portal
TC001	Check Merry Meals Food portal is working on Phone

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS008	TC001	Low	Merry Meals Food Portal website has completed and uploaded on server	The Merry Meals Food portal is working on phone correctly.	Result is come out as expected,	Pass
Test Step & Test data	Load Merry Meals Food Portal on browser and go to inspect option and change the device into phone mode.					
Evidence	Fig:TS012 – TC001					

Evidence: Fig:TS008 – TC001 – Phone Mode

REGISTER

Full Name

Address

Gender

Male

Role

Member

Email

Password

Qualification File Upload

Choose File No file chosen

Image Upload

Choose File No file chosen

Register

Already have an account? [Login](#)

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✓ **Registration page – Tablet Mode**

Test Scenario		Home Page.
TS009		
Test Cases		Register in Merry Meal Food Portal
TC001		Check Merry Meal Food portal is working on Tablet

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS009	TC001	Low	Merry Meals Food Portal website has completed and uploaded on server	The Merry Meals Food portal is working on phone correctly.	Result is come out as expected,	Pass
Test Step & Test data	Load Merry Meals Food Portal on browser and go to inspect option and change the device into TABLET mode.					
Evidence	Fig:TS012 – TC001					

Evidence: Fig: TS009 – TC001 – Tablet Mode

The screenshot shows a registration form titled "REGISTER" on a yellow background. The form includes fields for Full Name, Address, Gender (Male), Role (Member), Email, Password, Qualification File Upload (Choose File: No file chosen), Image Upload (Choose File: No file chosen), and a large "Register" button. Below the form, a link says "Already have an account? [Login](#)". At the top, there's a navigation bar with links for Home, About Us, Contact Us, Donate Us, Login, and Register.

Merry MEALS

Home About Us Contact Us Donate Us [Login](#) [Register](#)

REGISTER

Full Name

Address

Gender

Male

Role

Member

Email

Password

Qualification File Upload

Choose File No file chosen

Image Upload

Choose File No file chosen

Register

Already have an account? [Login](#)

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✓ **Registration page – Laptop Mode**

Test Scenario		Home Page.
TS010		
Test Cases	Register in Merry Meal Food Portal	
TC001	Check Merry Meal Food Portal is working on Laptop	

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS010	TC001	Low	Merry Meal Food Portal website has been completed and uploaded to the server	The Merry Meal Food portal is working on the laptop correctly.	As expected,	Pass
Test Step & Test data	Load Merry Meal Portal on the browser and go to inspect option and change the device into laptop mode.					
Evidence	Fig:TS014 – TC001					

Evidence: Fig: TS010 – TC001 – Laptop Mode

The screenshot shows a registration form titled "REGISTER" on a yellow background. The form fields include: Full Name, Address, Gender (Male), Role (Member), Email, Password, Qualification File Upload (Choose File, No file chosen), and Image Upload (Choose File, No file chosen). A "Register" button is at the bottom, followed by a link "Already have an account? [Login](#)". At the top right are "Login" and "Register" buttons. The header includes the Merry Meals logo, navigation links (Home, About Us, Contact Us, Donate Us), and social media links (Facebook, Instagram, Gmail, YouTube).

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- Contact Us
- terms & Conditions
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- Gmail
- YouTube

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06) Security Testing

Test Scenario	Authentication.
TS011	
Test Cases	Check login in Merry Meal Portal
TC001	Check login with correct login information.
TC002	Check login with wrong login information.

Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS011	TC001	Medium	Merry Meal Food Portal website has been completed and uploaded on the server	After entering the correct password and username user will redirect to a User profile page	As expected ,	Pass
Test Step & Test data	In Login Page, input test data <ul style="list-style-type: none"> • Username- aarvi@gmail.com • Password: 169831 Click Login button					
Evidence	Fig: TS015 – TC001					
Test Scenario ID	Test Case ID	Test Priority	Pre-condition	Expected Result	Actual Result	Pass/Fail
TS011	TC002	Medium	Merry Meal Food Portal website has been completed and uploaded on the server	After entering the wrong password user can see the error message to enter the correct password or username.	As expected ,	Pass

Test Step & Test data	<p>In Login Page, input test data</p> <ul style="list-style-type: none"> • Username- aarvi@gmail.com • Password: 1234 (correct password = 169831) <p>3. Click Login button</p>
Evidence	Fig: TS015 – TC002

Evidence: Fig: TS011 – TC001

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Partners Information

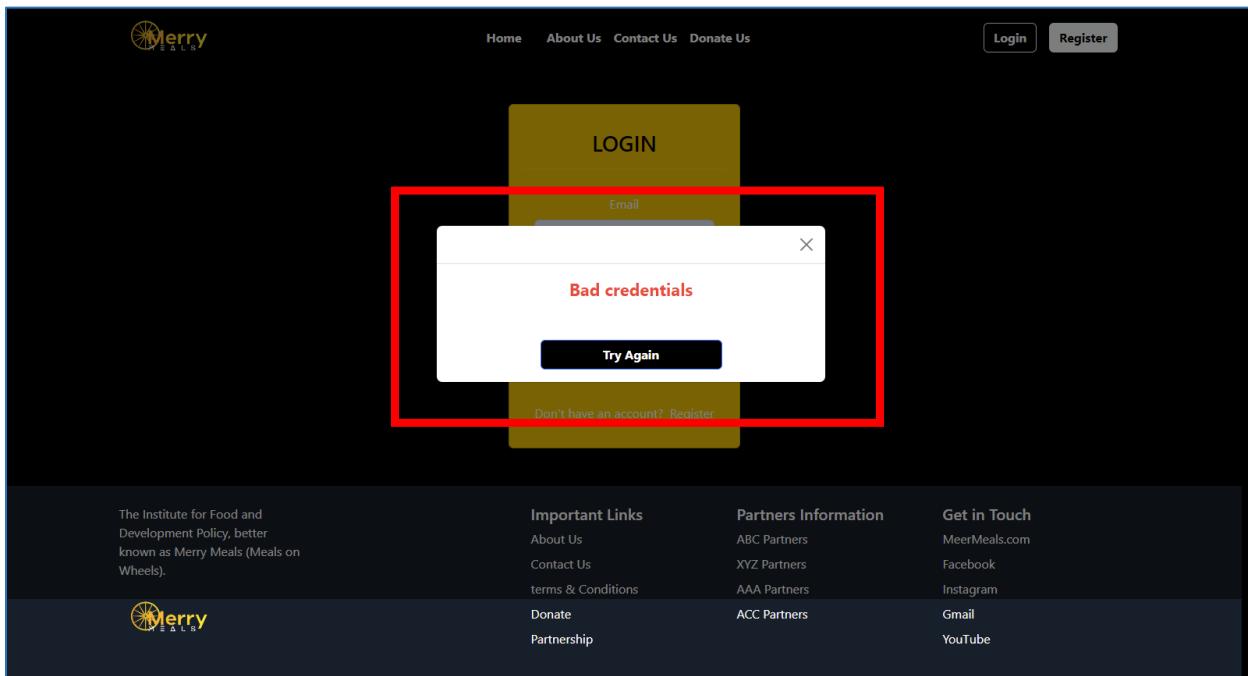
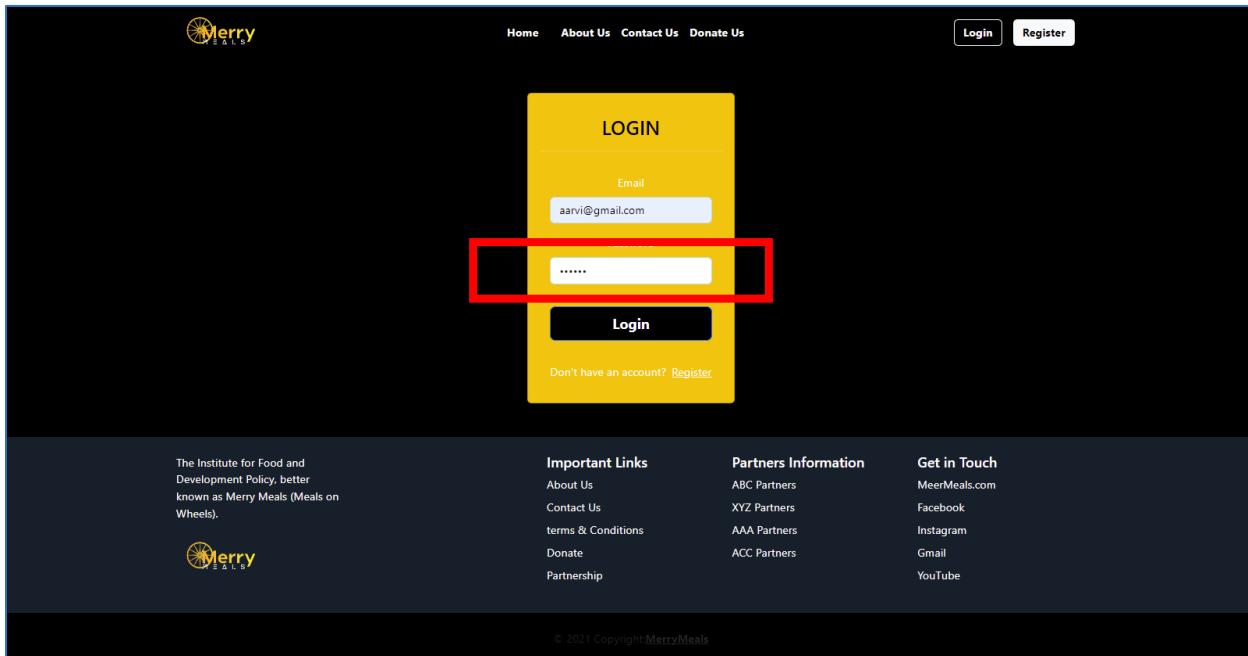
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Evidence: Fig: TS011 – TC002



07) Maintainability Testing – Junit

Test Scenario	Test Objective	Test Priority	Risk	Technique	Expected Result
TS012	Identify whether the portal is working as intended after inserting new features.	High	The portal upon inserting new features, introduces bugs and errors.	Maintainability Testing	The portal should work properly despite introducing modifications.

08) Unit Testing

Test Scenario	To ensure registration
TS013	
Test Cases	Unit Testing
UT001	Ensure that registration working correctly
UT002	Ensure that login working correctly

Test Case ID	Test Case	Preconditions	Test Step	Test Data	Expected Results	Actual Results	Pass / Fail

TSO 13	UT001	The user should have the URL of the website and open the home page of the MERRY MEALS	<ul style="list-style-type: none"> ❖ Type URL ❖ Click "Sign up" on the website home page linked to the Landing page ❖ Enter all the fields. ❖ Click submit. 	<p>Register</p> <p>Full Name = Boo</p> <p>Address = Dakha, Bangladesh</p> <p>Gender = Male</p> <p>Role = Member</p> <p>Email = boo@gmail.com</p> <p>Password = 169831</p> <p>Qualification File Upload</p> <p>Image Upload Click</p> <p>Register button</p> <p>It will appear registration thank u page</p> <p>Click "home" button to return home page</p>	The entered data should be added to the database and the thank you page should appear to the user after a successful registration	As expected,	Pass
TSO 13	UT002	The user should have the URL of the website and open the home page of the MERRY MEALS	<ul style="list-style-type: none"> ❖ Type URL ❖ Click "Login" on the website home page linked to the Landing page ❖ Enter all the fields. ❖ Click submit. 	<p>Username=boo@gmail.com</p> <p>Password = 169831</p>	User Profile should be loaded	As expected,	Pass

8) Test Analysis

I did all the take a look at cases according to this project. I deliberate this test cases earlier than. i have proven the effects above. There's parts of unit testing. They are UI trying out and database testing. Other than that I did usability testing and performance testing. I did UI testing relevant to the front quit part and database testing applicable to the back end component. The technology which I pick out for the front end are React JS and back end technology is spring boot. In UI testing all the test instances are pass. Also, validations are working properly. It means JavaScript is working well.

To test the database checking out we want to test what is happening in the database. Here it is checked whether the data is stored correctly, whether it's far updated, whether a brand new row is added to the database by adding a new meal or users. The result are as expected.

Next one is usability (UAT) checking out. It's far same like to the Unit checking out. However there is small one of a kind. We will test usability of our machine. Navigations, align elements, confirmation messages, spelling test, data, scroll bar, dropdowns, footer are checked here. The ones are the take a look at cases which we will check. And also we are able to check hyperlinks, pages and login registration. On this project the outcomes are as expected.

Final one is overall performance checking out. There are a few attributes which I checked. They're overall performance, accessibility, seo, best practices. I did this testing the usage of the Lighthouse from browser.

All test instances effects are as predicted. Validations are working properly when user login and registration. Then he can navigate to all of the paged properly. He can vie his very own profile and replace his profile. Additionally admin module (my module) is operating properly. A number of check cases are skip. So I will tell module consequences are assembly the initial set objectives of the utility.

9) Conclusion

Now the conclusion. After doing the project period finally got here right here. Let's take a glance returned on the project so far. First we did requirement gathering and project initiation. We identified what are the MerryMeal problem statement, project background, ache factors, objectives, project scope and goal. After that we selected our project technology. React JS for frontend technology and spring boot for backend technology. Next we brought our team members then we could know their roles and modules. We divided the responsibilities amongst team members. In addition to that we created WBS using Microsoft word. Also we created Gantt chart the use of project libre. After creating the wireframes, use cases, storyboards, ER diagram, EER diagram, flowchart then we presented stakeholder presentation. We got the feedbacks. We followed the project planning and project design to complete the project. We did project execution for our own module. Then we connect all these modules. We did test cases for our modules to make sure it already met the objective. We created this meals On Wheels web application with set of objectives.

10)Application Future Recommendations

There are several future suggestions for the meals On Wheels web application. those are creating cognizance through social media, getting support for the MerryMeal, introducing new charge techniques for donors, including new meals to the menu, developing a higher system for better shipping and ordering, and developing supporters for the organization, improving the fine of services and products, enhancing customer satisfaction and engagement, speeding up paintings.

11) Project Stakeholder Presentation

Stakeholder	Specific Areas to be Improved	Actions to be taken to improve performance	Progress Status
Mr David from Unity One Solution, Merry Meal Representatives	No partner webpage	Add a partner page since partners need to receive information about meal requests and prepare it.	Achieved
Mr David from Unity One Solution, Merry Meal Representatives	Adult will able to request frozen meal since on weekend, MerryMeal will not open	Create frozen meal functionality & Add frozen meal package on the website	Achieved
Mr David from Unity One Solution, Merry Meal Representatives	Allow money transactions for the organization to be able to receive donations from others.	Using Third-Party Payment Transaction by implementing Stripe API.	Achieved

Project Results

Home Page

The screenshot shows the homepage of the Merry Meals website. At the top, there's a navigation bar with links for Home, About Us, Contact Us, Donate Us, Login, and Register. Below the navigation is a banner featuring five different food dishes. Overlaid on the center of the banner is the text "PREPARED FRESH DELIVERED WITH LOVE". Below the banner, a dark call-to-action box contains the text "Requesting Partners to join with us is just one click away" and "Be a helping partner of Merry meals and be the reason to provide foods to helpless peoples Feed the peoples who is living as unable." A "Register as a partner Now" button is located at the bottom of this box. The main content area features a large image of a delivery person on a red scooter, wearing a mask and holding packages, standing next to a stack of boxes. To the left of this image is the text "Giving your hunger a safer, faster and better alternative". Below this text is a paragraph about ordering food directly from the platform. At the bottom of the page is a footer with links for Important Links, Partners Information, and Social Media.

MEALS

Merry Meals

Important Links

- About Us
- Contact Us
- terms & Conditions
- Donate
- Partnership

Partners Information

- ABC Partners
- XYZ Partners
- AAA Partners
- ACC Partners

Social Media

- MeerMeals.com
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- YouTube

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About Us

The screenshot shows the MerryMeals website's 'About Us' page. At the top, there is a navigation bar with links for Home, About Us, Contact Us, and Donate Us, along with Login and Register buttons. Below the navigation is a large banner image of a dish, likely spaghetti with shrimp, with the word 'About Us' overlaid. To the right of the banner is a smaller image of the restaurant's exterior, which is a modern building with large windows and outdoor seating areas.

MerryMeals has been in the family of KISH International since for many years, situated near the coastal lines of western region of Sri Lanka, kandy that is about half an hour drive from the commercial capital of Kandy. Being adjacent to the fishing town Negombo that boasts about the freshly caught produce. MerryMeals is known for its authentic Sri Lankan food, Bangladeshi deliciousness and of course the western continental blend. The world renowned local spices coupled with the age old techniques of the Chef, one is bound to have a scrumptious, fresh ingredient mouthwatering spread for a meal. Ideally situated in the town of Wattala with ample parking spaces with soothing ambience draws more crown on both weekdays and weekends. It caters for both business style as well as family oriented dining experience.

Meet Our Team Leaders



General Manager

Zarz Elmira



Assistant Manager

Jacob Noah



Executive Chef

Isha Mia

leads the operation of the restaurants. The Restaurant General Manager has the overall responsibility for directing the daily operations of the restaurant, ensuring compliance with company standards in all areas of operation, including product preparation and delivery, customer relations, restaurant maintenance and repair, inventory management, team management, hiring, termination and retention of team members, financial accountability, and ensuring that the highest quality products and services are delivered to each customer

Areas of responsibility include Restaurants/Bars and Room Service, if applicable. Assists in the daily supervision of restaurant operations and assists with menu planning, maintaining sanitation standards and assists servers and hosts on the floor during peak meal periods. Strives to continually improve guest and employee satisfaction. Determines training needed to accomplish goals, then implements plan and a professional who is in charge of making sure that everything runs smoothly at your local restaurant

Attentive chef with seven years of experience in Italian cuisine Well-versed in managing kitchens that serve up to 70 tables. Credentials include the ability to motivate staff and to ensure cohesive kitchen operations. Emphasis on creating innovative dishes, using fresh, seasonal produce, and meeting a wide range of dietary limitations and Obtaining feedback on food and service quality, and handling customer problems and complaints and Reviewing staffing levels to meet service, operational, and financial objectives.

[Messegae](#)

[Messegae](#)

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Merry Meals

Important Links

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- [Contact Us](#)
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Social Media

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Contact Us



The image shows a plate of golden-brown French fries with some green herbs on top. In the background, there's a white bowl containing a red dipping sauce, possibly ketchup or a similar condiment. The overall presentation is casual and appetizing.

Location - 07/C Mount LV road, Kandy Sri Lanka
merrymeal@business.email.com
+94742269976

Send a Message

Name
Email
Message

Send Message

The Institute for Food and Development Policy, better known as Merry Meals (Meals on Wheels).

The logo for Merry Meals features a stylized yellow sun-like icon with rays above the word "Merry" in a bold, black, sans-serif font, with "MEALS" in smaller letters below it.

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Caregiver Page



Home About Us Contact Us Donate Us

Care Giver

Hello, Care Giver!



What is Healthy Diet

A healthy diet is an essential aspect of a well-balanced lifestyle. It should include a variety of fruits, vegetables, whole grains, lean protein sources, and healthy fats. A healthy diet is not about strict limitations, but rather about feeling good, having more energy, and keeping your body healthy.

Assign Partner Task

No	Meals Request List	Status	Assigned Partner	Select Partner
1	Flour Custerd	PENDING	Ghathu	<button>Select</button>
2	Flour Custerd	PENDING	ABC Company	<button>Select</button>

Assign Driver Task

No	Meals Request List	Status	Assigned Driver	Select Driver
1	Flour Custerd	PENDING	John Doe	<button>Select</button>

Driver Availability

no	Name	status
1	HL	BUSY

Merry Meals

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View Profile Detail (For all roles)



Name :
Tamim

Email :
tamin@gmail.com

Address :
Dhaka, Bangladesh

Member Type:
ROLE_MEMBER

Status :
AVAILABLE

Done

 **Merry Meals**

Important Links	Partners Information	Social Media
About Us	ABC Partners	MeerMeals.com
Contact Us	XYZ Partners	Facebook
terms & Conditions	AAA Partners	Instagram
Donate	ACC Partners	Gmail
Partnership		YouTube

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Partner Page



MEALS

Home About Us Contact Us Donate Us

 Chathu ▾

Hello, Chathu!



Benefit of Healthy Diet

Eating a healthy diet has numerous benefits for both physical and mental health. Eating a diet rich in nutrients also supports strong bones, healthy skin, and good eye health. Additionally, a healthy diet can improve mental clarity, increase energy levels, and boost mood. Moreover, it can aid in digestion, reduce inflammation, and support a strong immune system.

< >

Meal Package List

Meal	Main meal	drink	Details	Image
Flour Custerd	Noodles	Coca cola	Everything Has been included here.	

Task

No	Meals Request List	Status	order on	action
1	Flour Custerd	PENDING	3:15:32 pm	<button>Approve</button>
2	Flour Custerd	PREPARING	2:53:53 pm	<button>Deliver</button>



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Social Media

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- Gmail
- YouTube

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Add Meal

MEALS

Hello, Chathu!

Add New Meal

Meal Name

Main Meal

Drinks

Meal Type

Image Upload
 No file chosen

Meal Details

Submit

Meal	Main meal	drink	Details	Image
Flour Custerd	Noodles	Coca cola	Everything Has been included here.	

Task

No	Meals Request List	Status	order on	action
1	Flour Custerd	PENDING	3:15:32 pm	Approve
2	Flour Custerd	PREPARING	2:53:53 pm	Deliver



Merry Meals

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Partners Information

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- ACC Partners

Social Media

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- Gmail
- YouTube

Member Pages

MEALS

Home About Us Contact Us Donate Us

Tamim

Choice suitable meal for you

A healthy diet is an essential aspect of maintaining a healthy lifestyle, providing essential protein sources, and healthy fats

Meal Package 03

Japanese Curry Udon

Lavendar Tea

[View Meal](#)

Frozen Package 01

Calzone Pizza

Carrot Juice

[View Meal](#)

Frozen Package 02

Tempura with Red Rice Roll

Orange Juice

[View Meal](#)

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Meal History

April 20, 2020 (Display Date)

No	Name	Package Name	Deliver to	Order On	Prepare by	Deliver by	Status
1				Invalid Date			



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Admin Page

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Provide partner a task

No	Meals Request List	Status	Assigned Partner	Select Partner
1	Meal Package 01	PENDING	FGH Company	<button>+Select</button>
2	Meal Package 01	PENDING	ABC Company	<button>+Select</button>
3	Meal Package 03	PENDING	ABC Company	<button>+Select</button>
4	Frozen Package 01	PENDING		<button>+Select</button>
5	Frozen Package 01	PENDING		<button>+Select</button>
6	Meal Package 03	PENDING		<button>+Select</button>

Meal Package List

+ Add Meal				
Meal	Main meal	drink	Details	Image
Meal Package 03	Japanese Curry Udon	Lavendar Tea	Mousse Dome	
Frozen Package 01	Calzone Pizza	Carrot Juice	Tiramisu	
Frozen Package 02	Tempura with Red Rice Roll	Orange Juice	Tiramisu	

New User request for approval

Name	Role	Action
caregiver2	ROLE_CAREGIVER	<button>+Select</button>
member4	ROLE_MEMBER	<button>+Select</button>

Assign Volunteer in a specific Role

Name	Role	Assign Role
volunteer2	ROLE_VOLUNTEER	<button>+Select</button>
Hashini	ROLE_VOLUNTEER	<button>+Select</button>

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Manage Users



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Manage Users

No	Name	Address	Email	Gender	Roles	File	Action
1	caregiver2	Kandy, Sri Lanka	caregiver2@gmail.com	MALE	ROLE_CAREGIVER		
2	volunteer2	Kandy, Sri Lanka	volunteer2@gmail.com	MALE	ROLE_VOLUNTEER		
3	member4	Kandy, Sri Lanka	member4@gmail.com	MALE	ROLE_MEMBER		
4	member3	Kandy, Sri Lanka	member3@gmail.com	MALE	ROLE_MEMBER		
5	rider2	Kandy, Sri Lanka	rider2@gmail.com	MALE	ROLE_RIDER		
6	volunteer1	Kandy, Sri Lanka	volunteer1@gmail.com	MALE	ROLE_CAREGIVER		
7	caregiver1	Kandy, Sri Lanka	caregiver1@gmail.com	MALE	ROLE_CAREGIVER		
8	rider1	Kandy, Sri Lanka	rider@gmail.com	MALE	ROLE_RIDER		
9	member1	Kandy, Sri Lanka	member1@gmail.com	MALE	ROLE_MEMBER		
10	Hashini	Matara, Sri Lanka	hashini@gmail.com	MALE	ROLE_VOLUNTEER		
11	Chathu	Kandy, Sri Lanka	chathu@gmail.com	MALE	ROLE_RIDER		
12	Tamim	Dhaka, Bangladesh	tamim@gmail.com	MALE	ROLE_MEMBER		



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Manage Partners

The screenshot shows the Merry Meals website's partner management interface. At the top, there is a navigation bar with links for Home, About Us, Contact Us, and Donate Us. On the right side of the navigation bar is a user profile icon labeled "admin". Below the navigation bar, the page title "Manage Partner" is displayed. Underneath the title, there are two tabs: "Partnership Request" (which is currently selected) and "Registered Partner". The main content area displays a table with three rows of partner information. The columns are labeled "Company Name", "Image", "Address", and "Email". The data in the table is as follows:

Company Name	Image	Address	Email
FGH Company		kandy, sri lanka	fghcompany@gmail.com
QWE Company		Kandy, Sri Lanka	qwecompany@gmail.com
ABC Company		Kandy, Sri Lanka	abccompany@gmail.com

At the bottom of the page, there is a footer section containing the Merry Meals logo, links to important pages like About Us, Contact Us, and Partnership, and links to social media platforms like MeerMeals.com, Facebook, Instagram, Gmail, and YouTube. A copyright notice at the very bottom states "© 2021 Copyright MerryMeals".

Meal History



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admin

Meal History

No	Name	Package Name	Deliver to	Order On	Prepare by	Deliver by	Status
1	Tamim	Meal Package 01	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	FGH Company		PENDING
2	Tamim	Meal Package 01	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company		PENDING
3	Tamim	Meal Package 02	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company		PREPARING
4	Tamim	Meal Package 03	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company	rider1	READY_TO_DELIVER
5	Tamim	Meal Package 03	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company	Chathu	READY_TO_DELIVER
6	Tamim	Meal Package 01	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company	Chathu	ON_DELIVERY
7	Tamim	Meal Package 02	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company	Chathu	DELIVERY_COMPLETE
8	Tamim	Meal Package 03	Dhaka, Bangladesh	12/02/2023, 11:25:26 am	ABC Company	Chathu	DELIVERY_COMPLETE
9	Tamim	Meal Package 03	Dhaka, Bangladesh	12/02/2023, 1:49:47 pm	ABC Company		PENDING
10	Tamim	Frozen Package 01	Dhaka, Bangladesh	12/02/2023, 4:30:17 pm			PENDING
11	Tamim	Frozen Package 01	Dhaka, Bangladesh	12/02/2023, 5:28:35 pm			PENDING
12	Tamim	Meal Package 03	Dhaka, Bangladesh	25/02/2023, 3:40:23 pm			PENDING


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View Meal

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 Tamim ▾

Meal Package 03



Main Meal
Japanese Curry Udon

Drinks
Lavendar Tea

Meal Details
Mousse Dome

[Cancel](#) [Confirm Meal](#)

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You Can Make a Difference



Help us make a difference in the lives of the elderly by making a donation today. Your kindness will bring comfort and support to those in need and will make a lasting impact on their well-being. Your generosity will help us to continue our mission of providing care, assistance, and resources to seniors in our community. Every donation, no matter the size, is greatly appreciated and will bring hope and happiness to the elderly. Together, we can make a brighter future for our aging population. Thank you for your support.

[Donate Now](#)

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Rider Page

The screenshot displays the Rider Page of the Merry Meals website. At the top, there's a navigation bar with the logo 'MEALS', links for 'Home', 'About Us', 'Contact Us', 'Donate Us', and a user profile icon labeled 'H.L.'. Below the navigation is a banner titled 'Our Meal Package' featuring a close-up image of food. The banner text describes the meal package as balanced, nutritious, and following strict regulations for portion control and dietary requirements like low-sodium and gluten-free options. To the left and right of the banner are navigation arrows. Below the banner is a yellow 'Profile Card' section containing a placeholder profile picture, the name 'H.L.', and the title 'Driver'. It also shows the status 'STATUS: AVAILABLE' and three blue buttons for 'Available', 'Busy', and 'Not Available'. Underneath this is a yellow 'Assigned Deliveries' section with a table header row containing columns for 'No', 'Pick up', 'Drop Off', 'Status', and 'Action'. At the bottom of the page is a dark footer bar with the 'MEALS' logo, the text 'Merry Meals', and links for 'Important Links', 'Partners Information', and 'Social Media'. The footer also includes copyright information: '© 2021 Copyright MerryMeals'.

Our Meal Package

Our meal package include a balanced selection of nutritious options, including whole grains, lean proteins, and plenty of fresh fruits and vegetables. The menu also offer healthy fats and limit processed foods, added sugars, and unhealthy fats. We follow a strict regulation to make well-balanced, portion-controlled, and meet specific dietary requirements, such as low-sodium or gluten-free options.

Profile Card

Name : H.L.
Driver

STATUS: AVAILABLE

Available
Busy
Not Available

Assigned Deliveries

No	Pick up	Drop Off	Status	Action
----	---------	----------	--------	--------

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Member Feedback

The screenshot shows the 'Member Feedback' section of the Merry Meals website. At the top, there's a navigation bar with links for Home, About Us, Contact Us, and Donate Us. A user profile dropdown for 'Tamim' is open, showing options like View Profile, View Daily Meals, Feedback us, Order History, and Logout. Below the navigation is a yellow form titled 'Give us Feedback' with fields for Name, Email, Package Number (set to 1), and a large Feedback area. A 'Submit' button is at the bottom of the form.

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12)Bibliography

- <https://fourweekmba.com/vmost-analysis/>
- <https://www.visual-paradigm.com/guide/data-flow-diagram/logical-vs-physical-data-flow-diagrams/;WWWSESSIONID=41EB2143781DD988EF3DA1858D62257E.www1>
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