

# Project Report



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<b>Qualification Name</b>	Applied Degree in Software Engineering/ Higher Diploma in Software Engineering
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<b>Project Title</b>	Meals on Wheels Web Application
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<b>Learner declaration</b>
I certify that the work submitted for this assignment is my group work, and research sources are fully acknowledged.
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# 1. Introduction

## a. Project Background:

Our team was tasked by a company named MerryMeal to submit proposals for software development. The proposal includes design suggestions, development plans, functional application, and developing the application based on the company business plan.

The company “MarryMeal” is a charitable organization that prepares and delivers a hot noon meal to qualified adults living at home who are unable to cook for themselves or maintain their nutritional status due to age, disease, or disability. The service will be available Monday through Friday. Frozen meals will be provided to members who are not within a 10-kilometer radius of their outsourced kitchens and support over the weekend. MerryMeal has partnered with several food service providers across the country to provide the quickest delivery possible.

## b. Pain Points

### **Business Analysis**

Based on the description above there are several problem statements that need to be addressed. There are several strategies available: SWOT Analysis, MOST Analysis, VMOST Analysis, & PESTLE Analysis.

**SWOT** stands for Strength, Weakness, Opportunity, & Threat. The purpose of this analysis method is to identify the strength and weakness of the organization's business plan, as well as, to find opportunities and threats (CTC, 2022). It helps in developing awareness of the situation so that the organization can make definitive strategic planning and decision making. In other words, SWOT analysis helps the company to explore new possibilities or solutions to

problems, making the best decision for the company, determining where change is possible, and identifying threats (CTC, 2022). The purpose of SWOT itself is to reveal positive forces that work together and potential problems that need to be addressed. This can be done through listing internal and external factors.

Every SWOT analysis will include the following four categories. Though the elements and discoveries within these categories will vary from company to company. Kenton, Murray, & Courage (2022) said that SWOT analysis is not complete without each of these elements:

- **Strengths** describe what an organization excels at and what separates it from the competition.
- **Weaknesses** stop an organization from performing at its optimum level.
- **Opportunities** refer to favorable external factors that could give an organization a competitive advantage.
- **Threats** refer to factors that have the potential to harm an organization.

The second analysis method is **MOST** analysis, this method of analysis takes a top-down approach where the organization analyzes based on the four elements, namely mission, objectives, strategy, and tactics (Kholghi, 2022).

- **Mission** describes what the organization wants to achieve.
- **Objective** describes what are the goals that the organization is working towards?
- **Strategy** describes the long-term approach to achieving the objectives.
- **Tactics** describes the activities that need to be carried out to ensure the organization is able to achieve the strategy.

The MOST Analysis helps with the overview of the critical workings of the business and aids in identifying wastage, streamlining processes, and achieving goals. MOST analysis

allows the organization to align its long-term goals with day to day tasks, and MOST analysis is designed to ensure internal processes of the business move in the same direction towards the organization or company mission (Cook, 2022; Kholghi, 2022).

Third analysis method is **VMOST** analysis. VMOST Analysis is a structured strategic planning tool used by organizations and teams to define, align, and measure progress toward their long-term goals (Cio, 2023). VMOST consists of five elements, which are:

- **Vision:** Describe the long-term goal or desired future state of the organization. It provides a clear picture of what the organization envisions or wants to achieve, and it serves as a guideline for all decision-making and actions.
- **Mission:** Describe the purpose or reason for the organization's existence which consists of core values and what it seeks to accomplish.
- **Objectives:** Describe the specific, achievable, and relevant goals to help the organization move towards its vision. The objectives should be aligned with the organization's mission.
- **Strategies:** Describe the organization's broad plans or approaches to achieve its objectives.
- **Tactics:** Describe the specific actions or tasks that the organization will take to implement its strategies and should be aligned with the organization's objectives.

Using the VMOST framework can help organizations clarify their goals, develop effective strategies and tactics, and ensure that all actions are aligned and working towards the same desired outcomes. It can also help organizations to monitor and measure progress toward their goals and make any necessary adjustments along the way (Cio, 2023)..

Based on The Chartered Institute of Personnel and Development (2021) A **PESTLE** analysis studies the key external factors (Political, Economic, Sociological, Technological,

Legal and Environmental) that influence an organization. It can be used in a range of different scenarios, and can guide people, professionals and senior managers in strategic decision-making. PESTLE analysis is a broad fact-finding activity around the external factors that could affect an organization's decisions, help to reduce threats and maximize opportunities, and consists of six elements which are:

- **Political:** Factors may be altered by the government's influence on a country's infrastructure. This may include tax policy, employment laws, environmental regulations, trade restrictions, tariffs, reform and political stability. Charities may need to consider where a government does not want services or goods to be provided.
- **Economic:** Factors include economic growth, interest rates, exchange rates, inflation, wage rates, working hours and cost of living. These factors may have major impacts on how charities operate and make decisions.
- **Sociological:** Factors include cultural aspects, health and safety consciousness, population growth rate and various demographics.
- **Technological:** Factors include ecological and environmental aspects and available products and services. Charities may need to innovate, having considered the compatibility with their own technologies and whether they are transferable internationally.
- **Legal:** Factors include any law which may impact on the charities' operations, including NGO regulation and criminal and terrorist legislation which will differ from country to country
- **Environmental:** Factors include an awareness of climate change or seasonal or terrain variations which may affect charities' service delivery methods.

By analyzing the six factors above, organizations can assess any risks specific to their industry and make informed decisions, and it can also highlight the potential for additional cost and prompt further research to be built into the future plans (CIPD, 2021).

For this project, our team uses SWOT analysis because SWOT analysis is suitable for the project since it is simple and straightforward, does not require technical expertise, or formal training, anybody with an understanding of the organization in a situation and the sector in which it operates can conduct it. Also by examining each of the four components of the SWOT, we may learn vital information to achieve our goals. SWOT analysis also encourages strategic planning, provides in-depth analysis of internal and external complex aspects, flexible, and versatile (Javatpoint, 2022).

### **SWOT Table Analysis of Meals on Wheels**

<b>Strength</b>	<b>Weaknesses</b>
<ul style="list-style-type: none"> <li>- Already have clear goals.</li> <li>- Have several collaborative partners.</li> <li>- Employee morale high</li> </ul>	<ul style="list-style-type: none"> <li>- Services unable to reach members that live more than 10 km away from the company.</li> <li>- Not open full week.</li> <li>- Since its charity, it heavily relies on sponsorships and donations.</li> </ul>
<b>Opportunity</b>	<b>Threat</b>
<ul style="list-style-type: none"> <li>- Rising health consciousness in selecting foods.</li> <li>- Helping in maintaining the psychological well-being of the qualified adults.</li> <li>- Open donation.</li> </ul>	Driver safety. Possible defect on food quality. Possibility in which the food becomes bad or rotten which may cost negatively on the members.

### c. Project Goal, Objectives, & Scope

#### **Project Goal:**

The purpose of Meals on Wheels is to provide hot noon meals for qualified adults, those who are too old, have a disease, or disability, to maintain a healthy diet. Meals on Wheels itself is a charitable organization thus, has partnered with several food service providers and donations. The meals services are managed by a caregiver and the meals will be delivered by a rider from the company. The company also accepts those who want to volunteer as a rider or caregiver to help with the charity.

#### **Project objective:**

Develop an enterprise application that prepares and delivers a hot noon meal to adults due to age, disease, or disability.

#### **General Constraints:**

The general constraint for the Meals on Wheels project is time. There is roughly less than one month allocated to the development, testing, and documentation of this project. This may result in fewer risks, but the core functionality of the system will be unaffected.

#### **Project Scope:**

**System Overview** - The application will have the following functionality:

1. Members and Caregivers registration with their requirements
2. Partners and Volunteers registration with their details
3. Fund raising through Donors / Supporters
4. Menu Planning and Preparation
5. Meal Delivery Management of partners and riders

6. Food Safety Management
7. Reassessment of need evaluation, and,
8. Management Information System for effective management

## 2. Project Initiation

### a. Project Stakeholders

Stakeholders are individuals or groups who have a vested interest in the success or failure of a project. Stakeholders in a project can include the project manager, team members, customers, clients, shareholders, suppliers, and others who are directly or indirectly affected by the project. Stakeholders play an important role in defining project goals, making decisions, and providing resources to ensure the project's success. Effective stakeholder relationship management is critical to project success because stakeholders can influence project outcomes and ultimately determine the project's success 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 Sullivan
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.	Nathan 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.	Wildan, Norman, Bagus, & Steffan.

#### External Stakeholders

No	Role	Description	Name
1	Customer	One who uses the application.	Qualified Adult
2	Sponsors	Helping with the project resources.	WHO

3	Government regulators	Managing regulations based on the law or policy.	Singapore
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## b. Feasibility Study

A feasibility study—sometimes called a feasibility analysis or feasibility report—is a way to evaluate whether or not a project plan could be successful. A feasibility study evaluates the practicality of your project plan in order to judge whether or not you're able to move forward with the project (Martins, 2022).

It does so by answering two questions:

- Does our team have the required tools or resources to complete this project?
- Will there be a high enough return on investment to make the project worth pursuing?

Feasibility studies are important for projects that represent significant investments for your business. Projects that also have a large potential impact on your presence in the market may also require a feasibility study.

A feasibility study should be conducted after the project has been pitched but before any work has actually started. The study is part of the project planning process. In fact, it's often done in conjunction with a SWOT analysis or project risk assessment, depending on the specific project.

Feasibility studies help:

- Confirm market opportunities before committing to a project.
- Narrow your business alternatives.
- Create documentation about the benefits and detriments of your proposed initiative.
- Provide more information before making a go/no go decision.

You likely don't need a feasibility study if:

- You already know the project is feasible.
- You've run a similar project in the past.
- Your competitors are succeeding with a similar initiative in market.
- The project is small, straightforward, and has minimal long-term business impact.
- Your team ran a similar feasibility study within the past three years.

Martina (2022) said one thing to keep in mind is that a feasibility study is not a project pitch. During a project pitch, you're evaluating whether or not the project is a good idea for your company, and whether the goals of the project are in line with your overall strategic plan. Typically, once you've established that the project is a good idea, you'd then run a feasibility study to confirm the project is possible with the tools and resources you have at your disposal.

## **Four elements of a feasibility analysis**

There are four main elements that go into a feasibility study: technical feasibility, financial feasibility, market feasibility (or market fit), and operational feasibility. You may also see these referred to as the four types of feasibility studies, though most feasibility studies actually include a review of all four elements. (Martins, 2022)

**Technical feasibility** A technical feasibility study reviews the technical resources available for your project. This study determines if you have the right equipment, enough equipment, and the right technical knowledge to complete your project objectives. For example, if your project plan proposes creating 50,000 products per month, but you can only produce 30,000 products per month in your factories, this project isn't technically feasible.

**Operational feasibility** an operational feasibility study evaluates whether or not your organization is able to complete this project. This includes staffing requirements,

organizational structure, and any applicable legal requirements. At the end of the operational feasibility study, your team will have a sense of whether or not you have the resources, skills, and competencies to complete this work.

**Financial feasibility** financial feasibility describes whether or not your project is fiscally viable. A financial feasibility report includes a cost/benefit analysis of the project. It also forecasts an expected return on investment (ROI), as well as outlines any financial risks. The goal at the end of the financial feasibility study is to understand the economic benefits the project will drive.

**Legal feasibility** is the process of examining a proposed restructuring or set of steps from a legal standpoint for any potential problems and creating a plan to be carried out during the restructuring's implementation stage so that the proposed restructuring includes a consolidated and integrated tax and legal assessment.

## Technical Feasibility

### a. Hardware Requirements

No	Hardware		
	Type	Server	Client
1	Processor	Intel Xeon E5-2620 V4 2.1 Ghz	Intel Core i3
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

b. Software Requirements

No	Software	Functionality
1	Windows 10	Operating System
2	Bootstrap, CSS, React JS	Web Creation
3	MySQL	Database Server
4	Tomcat	Web Server
5	Figma	Design
6	Google Chrome, Mozilla Firefox	Web Browser

c. 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

d. Cloud Requirements

No	Cloud Service	Functionality
1	AWS	
2	Azure	

e. Contractors

No	Schedule	Contractor
1	January 13, 2023 - February 06, 2023	Unity One Solution

f. Skills & Human Resource

No	Requirements	Skills
1	UI/UX Designer	Figma

2	Web Developer	HTML, CSS, JavaScript, Bootstrap, React JS, Java, MySQL.
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## Operational Feasibility

No	Requirements	Descriptions
1	Performance	Can serve 1.000 requests at the same time.
2	Information	More accurate information with an accuracy of 5 decimal places.
3	Economy	Costs incurred are relatively lower due to errors reporting can be minimized.
4	Control	System control is carried out by limiting user rights.
5	Efficiency	More time-saving because the same data entry can be avoided by using a database.
6	Services	The level of satisfaction with services can be increased because the system presents information in a consistent format.
7	Operational Feasibility Value	Locally based system (for organizations only), with Layout common as possible, so it has a value of 8.5.

## Financial Feasibility

No	Type Cost	Development Cost	Annual Cost	Time	Note	Total
1	<b>System Aspect</b>					
	System Information	\$4.000	\$2.000	1 Month	Main System	
	<b>Project Manager</b>					
	Analyst System	\$4.000	\$2.000			



## **Legal Feasibility**

Legal Feasibility Analysis:

Legal feasibility is feasibility related to legality or legal force. Means that the information system proposed may not violate applicable law, either law determined by the government or established by law according to organizational regulations.

Legal Eligibility Value:

Since all the software used is software open source or software that has been purchased legally, then the value of legal feasibility is 9.5.

## **c. UI/UX Design Considerations**

UI (User Interface) design is the process of designing the visual and interactive elements of a product, such as buttons, icons, and layout, to create an intuitive and user-friendly experience for the end-user. The focus of UI design is on how the product looks and feels and how it guides the user through their tasks (Usability, 2022).

UX (User Experience) design is the broader, more holistic process of designing the complete experience of using a product, taking into account all elements of the user's interaction with the product, including usability, accessibility, and overall enjoyment. The focus of UX design is on understanding the user's needs and creating an experience that is both functional and enjoyable for the user (Interaction Design Foundation, 2022).

In short, UI design is concerned with the visual appearance and interactions, while UX design is concerned with the overall experience of using a product. Both are important components of the product design process and are often used together to create a seamless and satisfying experience for the user.

No	Considerations	Descriptions
1	Visual	The visitors are mostly adults not children, the visual display will be simple aesthetic & not too many color patterns.
2	Text & Button	Since the audience of MOW are elderly, the button and text used will not be stylish, but simplistic with text mostly in bold.
3	Interactive Elements	The overall website application should be user-friendly for the elderly.
4	Layout	Layout is very necessary to help make it easier for the user

#### d. Project Assumptions

A project assumption is an underlying belief or premise about a specific aspect of a project that is thought to be true, real, or certain, and that serves as the foundation for project planning and decision-making. Project assumptions are used to manage risk and uncertainty while also simplifying complex situations. They are typically documented in a project charter, business case, or project management plan and may include, among other things, assumptions about resources, timelines, budgets, technology, and stakeholders. However, it is critical to review and validate assumptions on a regular basis to ensure that the project stays on track and the assumptions remain valid (Espy, 2018).

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	End users will be available to test during the time they agree to.
5	Finance	The funding to develop the project will be handled by the manager.
6	Scope	The project scope will not change once the stakeholders sign off on the scope statement.
7	Methodology	Project will use waterfall methodology throughout the development process.
8	Technology	The team will write the solution with SpringBoot & React Js.

## e. Project Constraints

Project constraints are limitations or risks based on resources allocated for the project.

It can be internal such as limited resources or skills, or external such as regulatory requirements or market conditions.

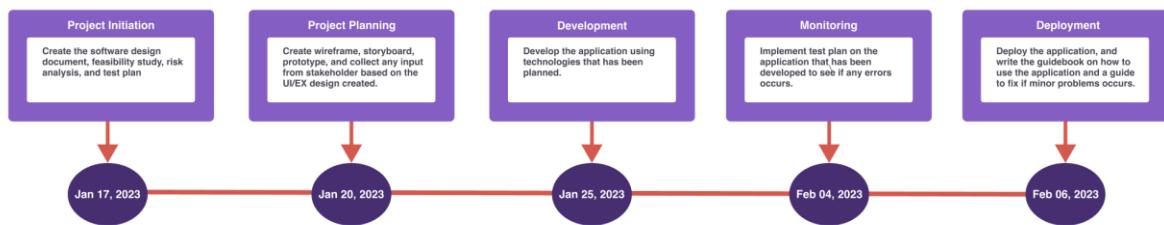
No	Constraints	Descriptions
1	Individual Requirements	The skills required for the development of the project are React Js, Spring Boot, & MySQL.
2	Time	The deadline for the project is roughly two weeks, which can impact the scope of the project & its overall cost.
3	Cost	Budget for this project is around \$35.000, any changes on financial planning will impact the development process
4	Scope	The project scope is based on MerryMeal Charity organization, any changes during the process may result in development delays.

## f. Project Milestones

Project milestones are significant events or accomplishments in a project that signal the completion of key phases or deliverables. Milestones serve as progress markers and aid in tracking the project's progress toward completion. They are typically defined as part of the project plan and reflect significant accomplishments such as completing a critical task, delivering a key deliverable, or reaching a major decision point.

Project milestones help to communicate progress to stakeholders such as project team members, managers, clients, and investors by providing a visual representation of the project schedule. They are also used to initiate key events like approvals, resource allocation, and budget releases.

### Meals-On-Wheels Project Milestone



## g. 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.

## **h. Functional Description**

No	User Type	Description	Role Based Access
1	Member	For qualified Adults.	Required to register & login. View daily meals & profile. Able to send feedback or evaluation about the meals.
2	Caregiver	Workers who cook meals and provide services.	Required to register & login. View daily meals & profile. Edit or add meals on the website.
3	Rider	Provide delivery services.	Required to register & login. View delivery schedule that has been assigned. Edit or view profile page.
4	Volunteer	People who want to help as a rider or caregiver.	Required to register & login. Based on the roles that they choose, either as a caregiver or rider, they are able to access its role.
5	Partner	For outside organizations that want to collaborate.	Required to register for partnership. If both companies agree to collaborate, the company brand will be mentioned on the website.

## **i. Website Structure**

General structure for Meals on Wheels Website.

Pages	Descriptions
Landing Page	Only appears once if the visitor haven't registered or login yet
Register Page	Registration for member, rider, & caregiver candidates. Added a new page for companies or organizations who want to become a partner.
Login Page	Login functionality, forgot/update password.
Member: Home page	Today's meal & have a list of today's meal packages.
Caregiver: Homepage	See order notification, add meal package card, & table for requesting meal to partner and assign driver.

Driver: Homepage	Have a profile card, card to view items that they need to deliver to the customer (member).
Donation page	Form for donations or support.
Feedback & Evaluation Page	An input form contains: feedback about the meals today, about our services, or a specific request from members.
Contact Us Page	Contain Meal on Wheels contact info like email, phone number, location, and user feedback form.
About Us Page	Contain Meal on Wheels organization info like vision, mission, teams, partners, and sponsor.
Admin Page	Menu Planning & Preparation for next day meal. Food Safety management. Manage the food delivery ( the admin/caregivers assign the delivery schedules to the riders and partners ).

## j. Risk Analysis & Evaluation

A multi-step process called risk analysis is used to lessen the impact of hazards on corporate operations. Risk analysis is a tool used by executives from a variety of sectors to make sure that all facets of their companies are secure from potential dangers. Regular risk analysis reduces the business's susceptibility to unanticipated events (Francisco, 2022).

### Types of Risk Analysis

Francisco (2022) said that risk analysis covers a wide range of topics, there are many approaches to analyzing risks or types of risk analysis. These include, but are not limited to, the following:

- **Risk Benefit & Cost Benefit Analysis**

A risk benefit analysis involves weighing the pros and cons (benefits and risks) of an action. Elements are ranked and evaluated against the impact of their potential success or

failure. Meanwhile, a cost benefit analysis sums the projected or estimated costs of an action and weighs the total cost against the potential benefits and opportunities.

Both types of analysis help leaders carefully weigh their decision in pursuing a plan or action. Choosing to pursue a risk-heavy or cost-heavy action can result in losses.

- **Needs Assessment**

A needs assessment is a systematic process of identifying and evaluating organizational needs and gaps. It gives leaders an idea of where the business may be lacking and helps them refocus resources towards achieving goals more efficiently.

- **Business Impact Analysis**

A business impact analysis entails planning for operational disruptions caused by natural disasters and other external factors. It is the basis for investment in recovery, prevention, and mitigation strategies.

- **Failure Mode and Effect Analysis**

A failure mode and effects analysis is a systematic method of anticipating potential failures in business processes and mitigating their impact on customers. It improves product and service reliability and reduces the cost of failures.

- **Root Cause Analysis**

A root cause analysis focuses on identifying and eliminating root causes to solve problems. It helps in the prevention of recurring problems by targeting the ineffective systems behind them. Aside from failure mode and effects analysis, other root cause analysis tools are 5 Whys, 8D, and DMAIC (part of Six Sigma).

As we know Risk analysis is a multi-step process aimed at mitigating the impact of risks on business operations. In this project, we need to design a software for the company named “Meals on Wheels” that provides food service and delivery for qualified adults. During the planning phase, our team needs to identify possible areas of risks in the application development process.

#### Analyze and evaluate:

S.No.	Risk Type	Risk Description	Risk Likelihood	Risk Impact
1	Schedule Risk	Deadline got extended due to unclear requirements	Very unlikely	Very high
2	Technical Risks	SQLI/Invalid data inserted into the database through registration form	Unlikely	Very High
3	Technical Risks	Webpage fail to load on certain browsers, user cannot view page	Unlikely	Very High
4	Technical Risks	During peak hours, pages take longer than 6 seconds to load	Likely	Medium
5	Usability Risk	User takes too long to learn or fails to complete desired task	Likely	High

#### Prepare Risk Matrix:

Risk ID	Risk	Likelihood (1-5)	Impact (1-5)	Risk Rating	Risk Level
1	Deadline got extended due to unclear requirements	1	5	5	Low
2	SQLI/Invalid data inserted into the database through registration form	4	5	20	High
3	Webpage fail to load, user cannot view page	2	5	10	Medium
4	During peak hours, pages take longer than 6 seconds to load	3	4	12	Medium

5	User takes too long to learn or fails to complete desired task	3	5	15	Medium
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### Risk Response Analysis:

S.No.	Risk Type	Risk Description	Risk Response Plan
1	Schedule Risk	Deadline got extended due to unclear requirements	Extend all next schedule
2	Technical Risks	SQLI/Invalid data inserted into the database through registration form	Use prepared statement for database queries
3	Technical Risks	Webpage fail to load on certain browsers, user cannot view page	Perform compatibility testing with multiple major browsers
4	Technical Risks	During peak hours, pages take longer than 6 seconds to load	Perform load testing with expected peak hour traffic
5	Usability Risk	User takes too long to learn or fails to complete desired task	Perform usability testing to improve UI/UX

### **3. Project Requirements**

#### **Software Development Life Cycle**

Software development life cycle or SDLC for short is a methodology for designing, building, and maintaining information and industrial systems. So far, there exist many SDLC models, such as the Waterfall model, which comprises five phases to be completed sequentially in order to develop a software solution; another model called the Spiral model, which is visualized as a process passing through some number of iterations.

#### **SDLC models**

##### **Waterfall Model**

In the waterfall model, the whole process of Software Development is divided into phases where the output of one phase acts as the input to the next phase. The next phase begins only when the previous phase gets completed

##### **Spiral Model**

This model is a combination of a Waterfall and Spiral model, and it works in an iterative manner. Based on the risk involved in the project, this model guides the team to adopt elements of one or more SDLC models such as a waterfall or Iterative model. Here the lifecycle of Software is divided into smaller parts, and new functionality can be added to the software even at the late stages of SDLC.

##### **V-Model**

V model is basically an expansion to the waterfall model where the testing and the development phases are planned in parallel. One side consists of the verification phase, while the other one consists of the validation phase, which is finally joined by coding. The next state starts only when the previous state gets completed.

##### **Agile**

Agile methodology is a practice which promotes continued interaction of development and testing during the SDLC process of any project. In the Agile method, the entire project is divided into small incremental builds. All of these builds are provided in iterations, and each iteration lasts from one to three weeks.

## SDLC Comparison

### Waterfall

Strengths	Weaknesses
Simple to use and understand.	The software is ready only after the last stage is over.
Management simplicity thanks to its rigidity: every phase has a defined result and process review.	High risks and uncertainty.
Development stages go one by one	Not the best choice for complex and object-oriented projects.
Perfect for the small or mid-sized projects where requirements are clear and not equivocal.	Inappropriate for the long-term projects
Easy to determine the key points in the development cycle.	The progress of the stage is hard to measure while it is still in the development
Easy to classify and prioritize tasks.	Integration is done at the very end, which does not give the option of identifying the problem in advance.

### Spiral

Strengths	Weaknesses
Lifecycle is divided into small parts, and if the risk concentration is higher, the phase can be finished earlier to address the threats.	Can be quite expensive
The development process is precisely documented yet scalable to the changes.	The risk control demands involvement of the highly skilled professionals.
The scalability allows to make changes and add new functionality even at the relatively late stages.	Can be ineffective for small projects.
The earlier working prototype is done, sooner users can point out the flaws.	Big number of the intermediate stages requires excessive documentation.

## V-Model

Strengths	Weaknesses
Every stage of V-shaped model has strict results so it's easy to control.	Lack of flexibility.
Testing and verification take place in the early stages.	Bad choice for the small projects.
Good for small projects, where requirements are static and clear.	Relatively big risks.

## Agile

Strengths	Weaknesses
Corrections of functional requirements are implemented into the development process to provide competitiveness.	Difficulties with measuring the final cost because of permanent changes.
Project is divided by short and transparent iterations.	The team should be highly professional and client oriented.
Risks are minimized thanks to the flexible change process.	New requirements may conflict with the existing architecture.
Fast release of the first product version.	With all the corrections and changes there is a possibility that the project will exceed expected time.

## **When to use**

Waterfall Model:

- The requirements are precisely documented.
- Product definition is stable
- The technologies stack is predefined, which makes it not dynamic.
- No ambiguous requirements
- The project is short

Spiral Model:

- The client isn't sure about the requirements.
- Significant edits are expected during the software development life cycle.
- Risk management is highly essential for the project.

V-Model:

- For the projects where accurate product testing is required.
- For the small and mid-sized projects, where requirements are strictly predefined.
- The engineers of the required qualification, especially testers, are within easy reach.

Agile Model:

- The users needs change dynamically
- Less price for the changes implemented because of the numerous iterations.
- It requires only initial planning to start the project.

## **SDLC Chosen Method**

### **Waterfall Model**

Because in the waterfall model, the whole process is divided into phases where the output of one phase acts as the input to the next phase. It makes waterfall simple to use and we

can easily classify and prioritize tasks and easily determine the key points in the development cycle.

Management simplicity thanks to its rigidity: every phase has a defined result and process review, development stages go one by one, and this model is perfect for the small or mid-sized projects where requirements are clear and not equivocal, also refer to table above waterfall is worth to use.

## Front-End Framework:

### AngularJs

AngularJS is not a single piece in the overall puzzle of building the client-side of a web application. It handles all of the DOM and AJAX glue code you once wrote by hand and puts it in a well-defined structure. This makes AngularJS opinionated about how a CRUD (Create, Read, Update, Delete) application should be built. But while it is opinionated, it also tries to make sure that its opinion is just a starting point you can easily change. AngularJS comes with the following out-of-the-box:

- Everything you need to build a CRUD app in a cohesive set: Data-binding, basic templating directives, form validation, routing, deep-linking, reusable components and dependency injection.
- Testability story: Unit-testing, end-to-end testing, mocks and test harnesses.
- Seed application with directory layout and test scripts as a starting point.

## ReactJS

React is a life-changing frontend framework that comes to the rescue of many UI developers. Using React for front-end development, you get access to the community of more than 56,000 developers, and at least 8,787 industry leaders use the popular JavaScript library.

React works with a virtual DOM. It doesn't need to refresh all the components on a page whenever the user interacts with it. This gives React the edge for dynamic websites which suffer a drop in performance with the conventional DOM refresh.

There's also no coding nightmare with React frontend framework. It's built with reusability in mind, and developers can build new features without rewriting existing codes. UI components built with React are also easy to debug.

With all these benefits, It didn't take long for React to cement itself as the preferred UI development tool amongst JavaScript developments. The highly-popular framework was downloaded 7 million times weekly.

### React Features:

- SEO Friendly, the clean and simple code of React minimizes page load time and page load time is a critical factor in SEO.
- React JS apps are created as a series of components, with functionalities being passed from parent component to child component in the form of arguments. This is called one-way data binding or the unidirectional flow of data. Because of this one characteristic, it is very convenient to make changes in React apps.
- Since React JS is essentially a library, you can just plug the React code wherever you need it, irrespective of infrastructure. This will have absolutely no effect on performance.

## VueJS

VueJS is a framework and ecosystem that covers most of the common feature needed in frontend development. But the weeb is extremely diverse - the things we build on the web may vary drastically in form and scale. With that in mind, Vue is designed to be flexible and incrementally adoptable. Depending on your use case, Vue can be used in different way:

- Enhancing static HTML without a build step
- Embedding as Web Components on any page
- Single-Page Application (SPA)
- Fullstack / Server-Side Rendering (SSR)
- Jamstack / Static Site Generation (SSG)
- Targeting desktop, mobile, WebGL, and even the terminal

## Comparison

Parameter	Angular	React	Vue
Initial Release	2016	2011	2014
Support	Google	Facebook	Community
Type	Framework	Library	Framework
Size	Medium	Small	Very small
Language	TypeScript	JavaScript	JavaScript

Performance	Good	Good	Good
Data Binding	Both	Unidirectional	Bidirectional
Popular Websites	Paypal, Samsung, Upwork	Netflix, Twitter, Amazon	Alibaba, Grammarly, GitLab

## Chosen Framework:

### ReactJS

- React offers an easy debugging process. The code is reusable.
- It's easy to learn because of its easy and simple design.
- It has faster updates with both server-side and front-end support.
- React has great performance.
- Broad community support from github and stackoverflow

## Back-end Framework:

### Spring boot

Java Spring Framework (Spring Framework) is a well-liked, open-source, enterprise-level framework for building standalone, high-quality Java Virtual Machine applications (JVM). It is built on top of the conventional spring framework. So, it provides all the features of spring and is yet easier to use than spring.

Through its three main features, Java Spring Boot (Spring Boot) is a tool that accelerates and simplifies the development of web applications and microservices with the Spring Framework.

## **Autoconfiguration**

Applications are initialized with pre-set dependencies through autoconfiguration, so you don't have to manually configure them.

## **An opinionated approach to configuration**

Based on the requirements of our project, Spring Boot takes an opinionated approach to adding and configuring starter dependencies. Instead of requiring you to make all those decisions and configure everything manually, Spring Boot decides which packages to install and which default values to use.

## **The ability to create standalone applications**

Spring Boot enables programmers to build ready-to-use applications. By integrating a web server like Tomcat or Netty into your app during the initialization process, it specifically enables you to create standalone applications that run independently, without relying on an external web server. As a result, by simply selecting the Run command, you can run your application on any platform. To create applications without an embedded Web server, you can disable this feature.

## **Database:**

### **MongodB**

MongoDB is built on a scale-out architecture that has become popular with developers of all kinds for developing scalable applications with evolving data schemas.

As a document database, MongoDB makes it easy for developers to store structured or unstructured data. It uses a JSON-like format to store documents. This format directly maps to native objects in most modern programming languages, making it a natural choice for developers, as they don't need to think about normalizing data. MongoDB can also handle high volume and can scale both vertically and horizontally to accommodate large data loads.

MongoDB was built for people building internet and business applications who need to evolve quickly and scale elegantly. Companies and development teams of all sizes use MongoDB for a wide variety of reasons.

## **MySQL**

The most widely used open-source database worldwide is MySQL. MySQL is the second-most popular database, after Oracle Database, according to DB-Engines. Numerous of the most popular apps, such as Facebook, Twitter, Netflix, Uber, Airbnb, Shopify, and Booking.com, are powered by MySQL.

Because MySQL is open source, it has many features that have been created over more than 25 years in close collaboration with users. Therefore, it is very likely that MySQL Database supports your preferred application or programming language.

## **MySQL advantages**

MySQL is quick, trustworthy, scalable, and simple to use. It was initially created to quickly handle large databases and has long been used in extremely demanding production environments. Despite being constantly improved, MySQL offers a comprehensive and suited for due to its connectivity, speed, and security.

practical set of functions. Accessing databases on the internet is a task that MySQL is well

## **Comparison**

Chosen database:

### **MySQL**

- Open-source and compatible, it is highly compatible with a wide range of systems, programming languages and database models.
- Fast and reliable.
- Easy to use and administer.
- Large online support and documentation with [dev.mysql.com](http://dev.mysql.com)

## **Integrated Development Environment:**

### **IntelliJ**

IntelliJ IDEA is undoubtedly the top-choice IDE for software developers. Efficiency and intelligence are built into the design, which enables a very smooth development workflow experience, from design, implementation, building, deploying, testing, and debugging, to refactoring! It is loaded with features and also offers a plethora of plugins that we can integrate into the editor. I switched to using IntelliJ IDEA 5 years ago and have never looked back. It has certainly made my life easier. I am producing more with less effort (Mary Grygleski).

### **Eclipse**

Released by IBM in 2001, the open-source IDE Eclipse was initially created to eclipse Microsoft's Visual Studio. Since then, Eclipse has become a major platform used in both open source and commercial projects. Highly versatile and flexible, Eclipse was designed to serve the needs of complex enterprise projects and embedded system application development. It

offers support for a variety of programming languages in addition to Java, as well as popular frameworks. With a plethora of plugins, thorough documentation and a large developer community, Eclipse has rightfully gained a loyal following.

## **STS**

STS is an Eclipse-based development environment that is customized for the development of Spring applications. It provides a ready-to-use environment to implement, debug, run and deploy your applications. It also includes integration for Pivotal tc Server, Pivotal Cloud Foundry, Git, Maven and AspectJ. STS is built as an addition on top of the latest Eclipse releases.

### **Features Overview:**

Eclipse STS validates your project and provides quick fixes for your applications. For example, when working with Spring Data JPA, the IDE may be used to validate query method names

STS also provides a graphical view on all bean methods and their mutual relationships. You may want to have a closer look at the graphical editors that come with STS by looking into the views that are available under the menus window, show view and then Spring respectively. STS also offers other additional useful features that are not limited to Spring applications only.

### **Chosen IDE:**

## **STS**

The Spring Tool Suite understands your Spring projects. It parses your configuration files and displays detailed information about the beans that are being defined, their

dependencies among each other, used namespaces, and extracts overviews for certain stereotypes like request controllers, aspects, services, and more.

Because the Spring Tool Suite understands your Spring projects, it provides a comprehensive set of validations that are being applied automatically. Those validations indicate errors in your configurations directly within the IDE, long before you actually run the app. Finding problems and misconfigurations gets a lot easier.

Refactoring support is one of the most important parts of today's software engineering. Therefore the Spring Tool Suite provides advanced support for refactoring Spring applications. Not only the well-known Java refactorings are reflected in your Spring config files, the IDE adds new refactorings for Spring elements (like renaming of Spring beans, for example).

It doesn't matter whether you are writing Spring XML configuration files or implementing JavaConfig Spring apps, whether you are using the core Spring framework alone or together with all the various additional Spring projects, the Spring Tool Suite provides you with meaningful content-assist all over the place, together with quick-fixes for common errors and problems.

### **Code Editor:**

#### **Visual Studio Code**

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages and runtimes (such as C++, C#, Java, Python, PHP, Go, .NET). We will be using Visual Studio Code for editing our React JS source code.

## 4. Project Team

### Team Member's Information:

**Stakeholder** : Merry Meal, Unity One Solution

**Manager** : Mr. David

**Project Lead** : Arvinder Kaur

### Project Member:

- [Wildan Luqmanul Hakim](#)
- [Bagus Nanda](#)
- [Steffansim](#)
- [Norman Tseu](#)

Member's Name	Module Assigned
I Putu Bagus Nanda Widnyana	Back-end Modules
Norman Tseu Min Hong	Back-end Modules
Steffansim	Front-end Modules
WILDAN LUQMANUL HAKIM	Front-end Modules

### Tools & Technology Used:

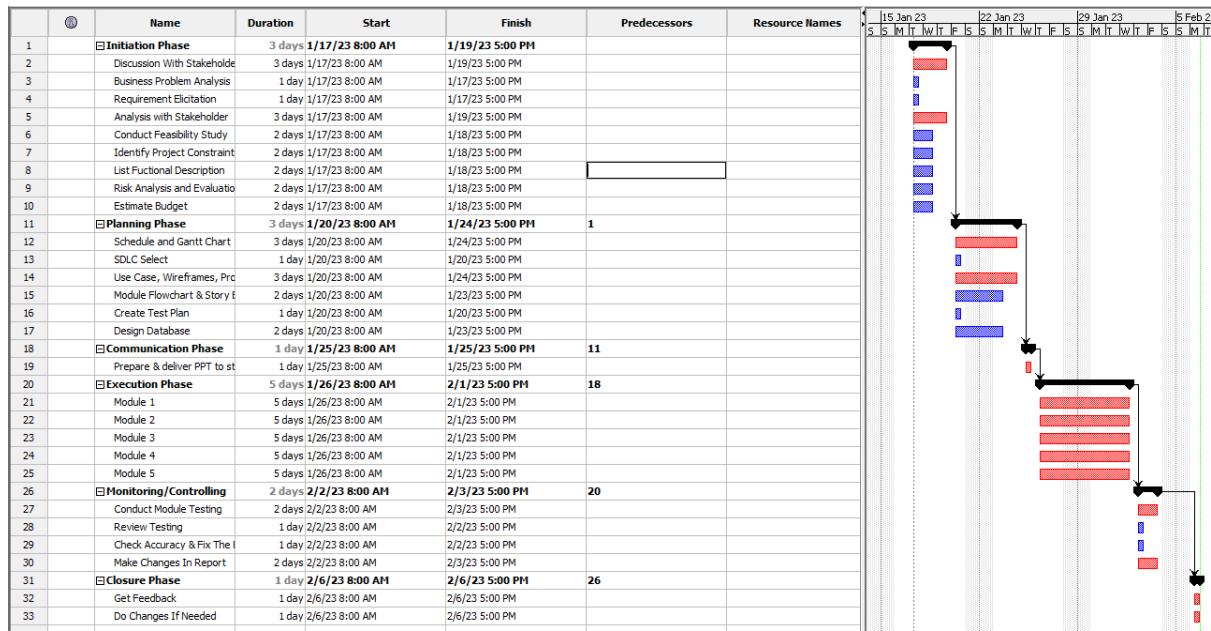
**Front-end:** React Js, Bootstrap.

**Back-end:** SpringBoot, ServerJs

**Database:** MySQL

# 5. Project Planning

## Gantt Chart



## Optimal Scheduling

Web page	Weighting (1-5)	Functional Points (1-10)	Total
Landing	1	5	5
About Us	1	1	1
Contact Us	1	2	2
Register	2	6	12
Partner Request	2	6	12
Login	3	10	20
Donation	2	5	10

Member Home	4	10	40
Member: Meal Detail	3	8	24
Member: Feedback	4	5	20
Caregiver Home	4	10	40
Driver Home	4	10	40
Partner Home	4	10	40
Admin Home	5	10	50
Admin: Manage Users	3	7	21
Admin: Manage Partner	3	7	21
Admin: Meal Order History	3	4	12
	Total functional points	364	
	Estimated person hour per FP		
	Total hours needed	1	
	Total days needed		
		364	
			21.4

## Test Schedule

<b>Test Schedule ID:</b>	<b>TS0001</b>	
Product ID / Name:	Meals On Wheels	
Product Version or Build:	v0.0.1	

Present Owner:	Group 02	Software Engineers
Created On:	January 25, 2023	
Review On:	January 25, 2023	
Review By:	Mr. David	Manager
Review Comments:	Good	
Current Version:	v.1.0.2	
Change Details:	Added features: partner able to send meal complete notification to caregiver & admin.	
Current Status:	Approved	
Signing Off Authority:	Group 02	Software Engineers

## Budget Analysis

No	Type Cost	Development Cost	Annual Cost	Time	Note	Total
1	<b>System Aspect</b>					
	System Information	\$4.000	\$2.000	1 Month	Main System	
	<b>Project Manager</b>					
	Analyst System	\$4.000	\$2.000			



## Communication Matrix

Speaker	Audience	Purpose	Method	Frequency
Team Member	Mr David	Development progress	MS. Teams Meeting	Twice a week
Mr David	MerryMeal Org	Explain the current development process on initial project objective to keep track if the project still on what the stakeholder wants or not	MS. Teams Meeting & Face to Face Meeting	Once a week

## Test Planning

### Test Scenarios:

Test Scenario ID	Test Scenario	Number of test cases
TS001-Integration Testing	Ensure account authorization with JWT Token	1
TS002-UAT testing	1. Ensure user navigation is easy	3
TS003-UAT testing	2. Ensure caregiver can add meals easily	1
TS004-UAT testing	Ensure SQLI is prevented	3
TS005-Cross Browser testing	Ensure application works across multiple major browsers	6

### Scenario 1: Integration Testing

Test Scenario	Ensure account authorization with JWT Token
TS001	
Test Cases	Integration Testing
IT001	Check if the user can access the website if there is no bearer token.

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS001	IT001	5	- Open Postman API - Register to get Bearer token	The user without their bearer token authorization will not be able to access the website.		

### Scenario 2: User Acceptance Testing

Test Scenario	1. Ensure user navigation is easy
TS002	
Test Cases	UAT Test
UAT001	Check to see if member can navigate easily

UAT002	Check to see if caregiver can navigate easily
UAT003	Check to see if rider can navigate easily

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS002	UAT001	3	<ul style="list-style-type: none"> <li>- Logged in as Member / Caregiver / Rider</li> </ul>	Members can easily see meal card packages after they log in, and order meals if they choose based on the card, & they can send feedback on the meal.		
	UAT002	3		Caregivers can see their dashboard, and add meals easily on the dashboard page also, and assign drivers & assign partners also.		
	UAT003	3		Drivers can see any delivery request on their dashboard.		

### Scenario 3: User Acceptance Testing

Test Scenario	Ensure caregiver can add meals easily
TS003	
Test Cases	UAT Test
UAT001	Check to see if the caregiver is able to add a meal package easily.

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS003	UAT001	3	Logged in as Caregiver	Caregivers can easily add a meal package by accessing a Popup card to add that package.		

#### **Scenario 4: User Acceptance Testing**

<b>Test Scenario</b>	Ensure Login Validation
<b>TS004</b>	
<b>Test Cases</b>	UAT Test
<b>UAT001</b>	Check to see if the login validation able to function properly

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS004	UAT001	5	Type in URL Click on login Enter fields with test data Click submit	Login fail if the account is not activated yet & popup message will appear		
	UAT002	5		Login fail if the input password or email is wrong & popup message will appear		
	UAT003	5		Suggestion message appear if the user missing @ on email input		

#### **Scenario 5: Cross Browser Testing**

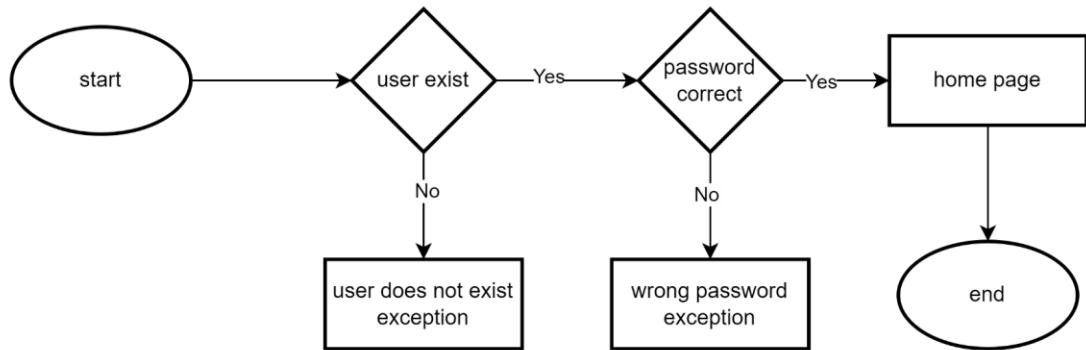
<b>Test Scenario</b>	Ensure application works across multiple major browsers
<b>TS005</b>	
<b>Test Cases</b>	Cross Browser Test
<b>CBT001</b>	Check to see if register works on Firefox
<b>CBT002</b>	Check to see if register works on Internet Explorer
<b>CBT003</b>	Check to see if register works on Google Chrome
<b>CBT004</b>	Check to see if login works on Firefox
<b>CBT005</b>	Check to see if login works on Internet Explorer
<b>CBT006</b>	Check to see if login works on Google Chrome

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS005	CBT001	3	Downloaded required browser	Register save data to database and redirect user to login page		
	CBT002	3		Register save data to database and redirect user to login page		
	CBT003	3		Register save data to database and redirect user to login page		
	CBT004	3	Downloaded required browser	Login validate with database and redirect user to home page		
	CBT005	3		Login validate with database and redirect user to home page		
	CBT006	3		Login validate with database and redirect user to home page		

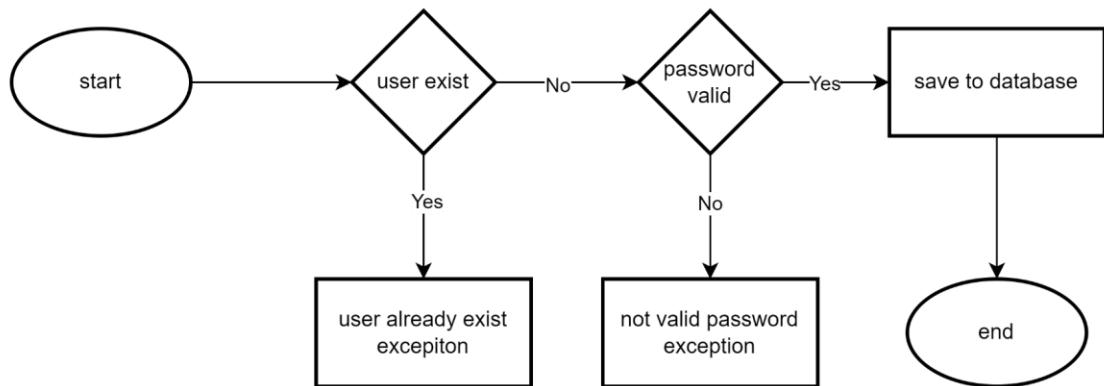
## 6. Project Design

### Application Flowchart:

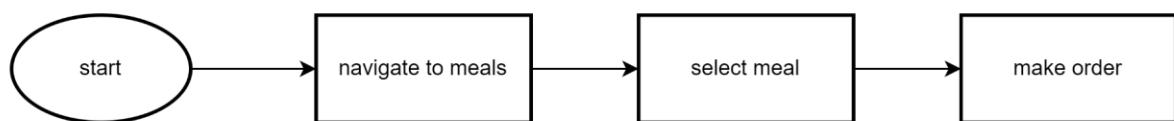
#### Login



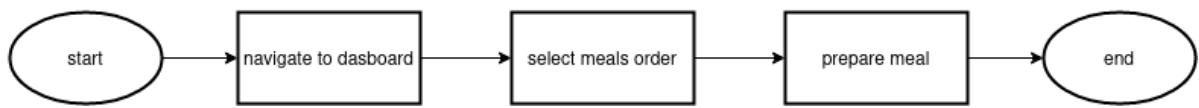
#### Registration



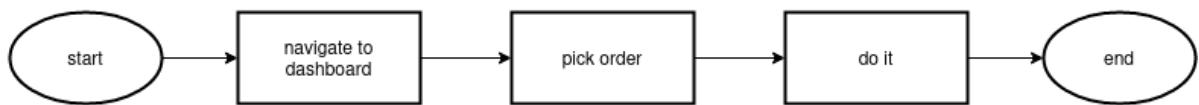
#### Order meal



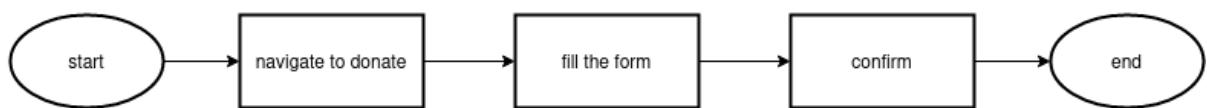
## **caregiver**



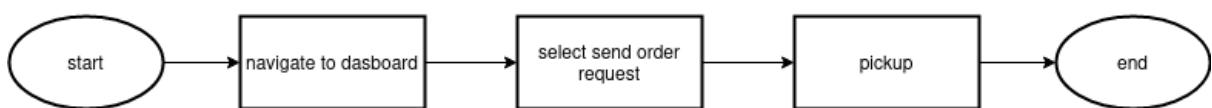
## **volunteer**



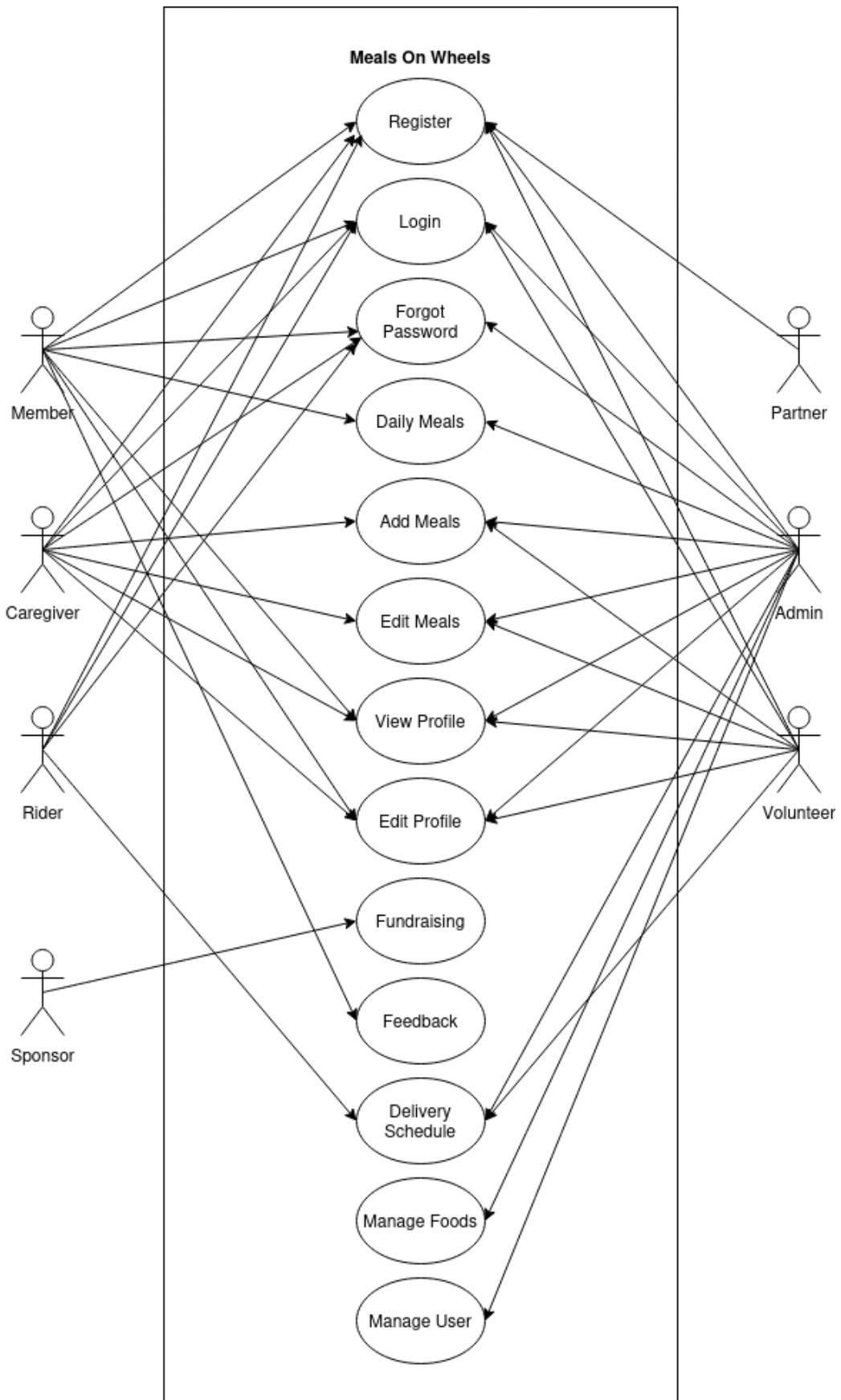
## **sponsor**



## **Rider**



## Use Case Diagram



## Module Wireframe

### Landing Page



#### Meals and Transportation Services. Together We Can Deliver

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#### Who We Are

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#### Our Vision

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#### Our Mission

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#### Meals on Wheels Commitment

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#### Our Partner

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IMAGE

LOGO

#### Keep Up With Service News and Events

Keep in touch with us!

Register

## Register Page

LOGO

Home Donate Partnership About Us Contact

Login Register

**REGISTER**

Name

Email

Address

Gender

Join as:

Upload Files

**REGISTER**

— OR —

**Partnership**

## Login Page

LOGO

Home Donate Partnership About Us Contact

Login Register

**Login**

Email

Password

**Login**

— OR —

**Continue with Facebook**

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

## Partnership Request Page

**Send a Partnership Request****Company Name****Email****Reason****Send Request****Contact Page****Contact Us****Get In Touch****CALL**  
+1 111 111 111**EMAIL**  
contact@mow.com**ADDRESS**  
Singapore**Send A Message****Name****Email****Message****Send Message****About Us Page**



LOGO

[Home](#) [Donate](#) [Partnership](#) [About Us](#) [Contact](#)

Login

## Register

## About Us

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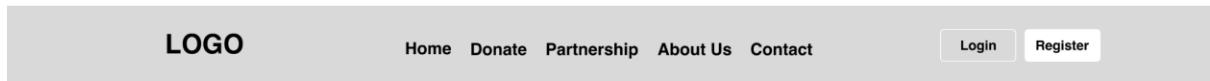
## **Our Mission**

## Our Vision



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Privacy Policy



Member: Homepage

The screenshot shows the Member homepage. It features a top navigation bar with a logo, Home, Donate, Partnership, About Us, Contact, and a Member dropdown menu. Below the navigation is a "View Daily Meals" button and a "Feedback/Evaluate" button. A large, centered "DAILY MEALS" section contains a placeholder image with left and right arrows for navigation. At the bottom is a footer with "Copyright 2023" and a "Privacy Policy" link.

Member: Feedback & Evaluation Page

**LOGO**

Home Donate Partnership About Us Contact

IMG Member ▾

[View Daily Meals](#) [Feedback/Evaluate](#)

**Give us Feedback**

Name

Email

Feedback on meals ▾

Feedback

Submit

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Privacy Policy

Driver: Homepage

**LOGO**

Home Donate Partnership About Us Contact

IMG Rider ▾

< DAILY MEALS >

Delivery Schedule


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Privacy Policy

Caregiver: Homepage



Home   Donate   Partnership   About Us   Contact

IMG Caregiver ▾

Manage Foods   Manage Schedules   Assign Driver

< DAILY MEALS >

Copyright 2023   Privacy Policy

## Caregiver: Manage Food Page

## Caregiver: Assign Driver Page

**LOGO**

Home Donate Partnership About Us Contact

IMG Caregiver ▾

Manage Foods Assign Driver

No	Driver List	Availability	Assign Delivery	Status
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Copyright 2023 Privacy Policy

Admin: Homepage

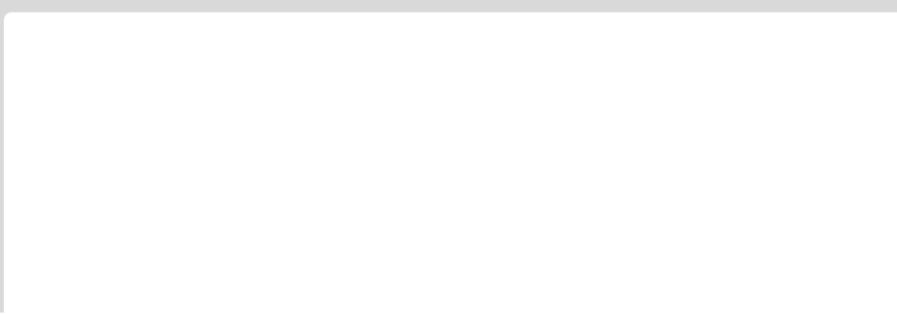
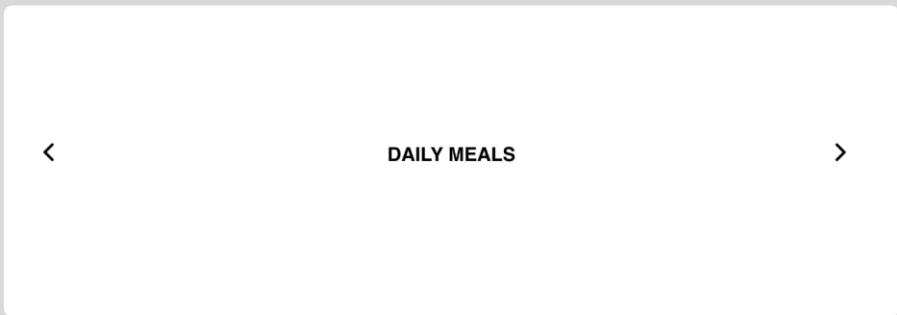
**LOGO**

Home Donate Partnership About Us Contact

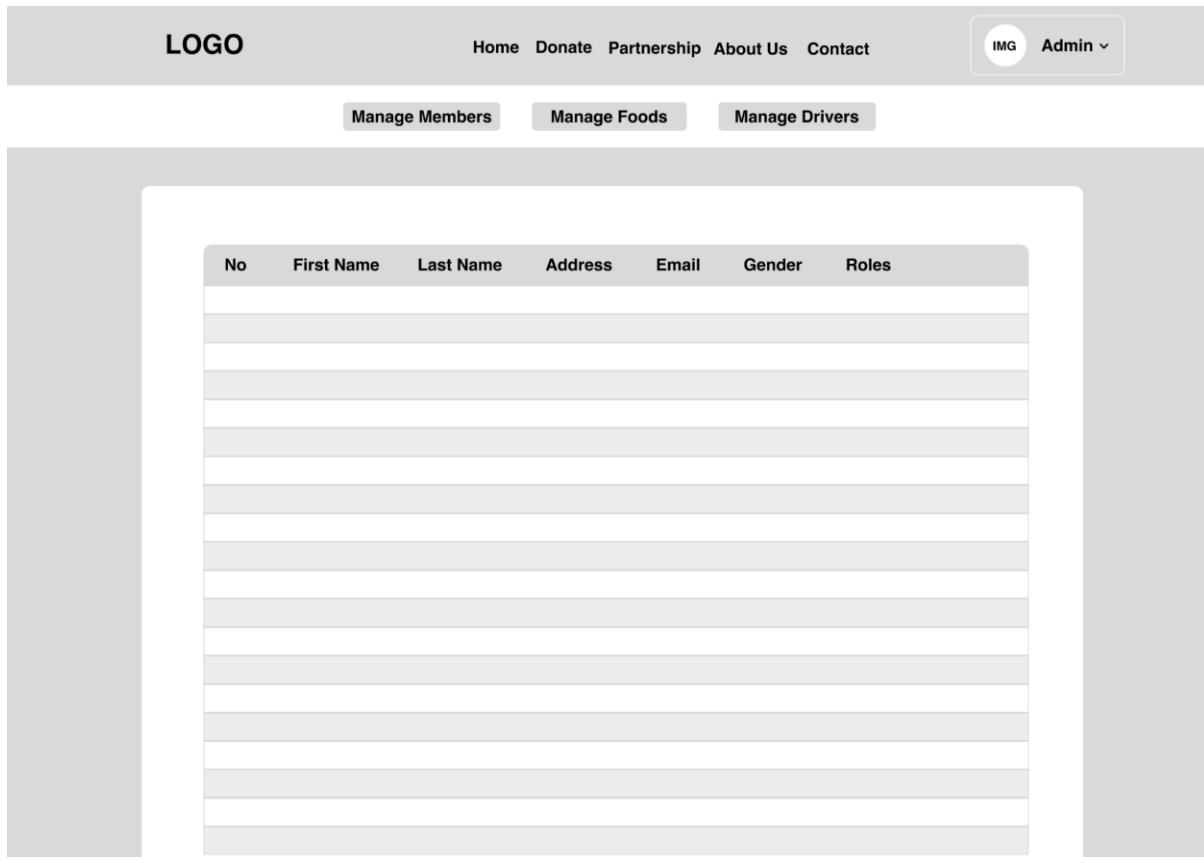
IMG Admin ▾

Manage Users Manage Foods Manage Drivers Manage Schedule

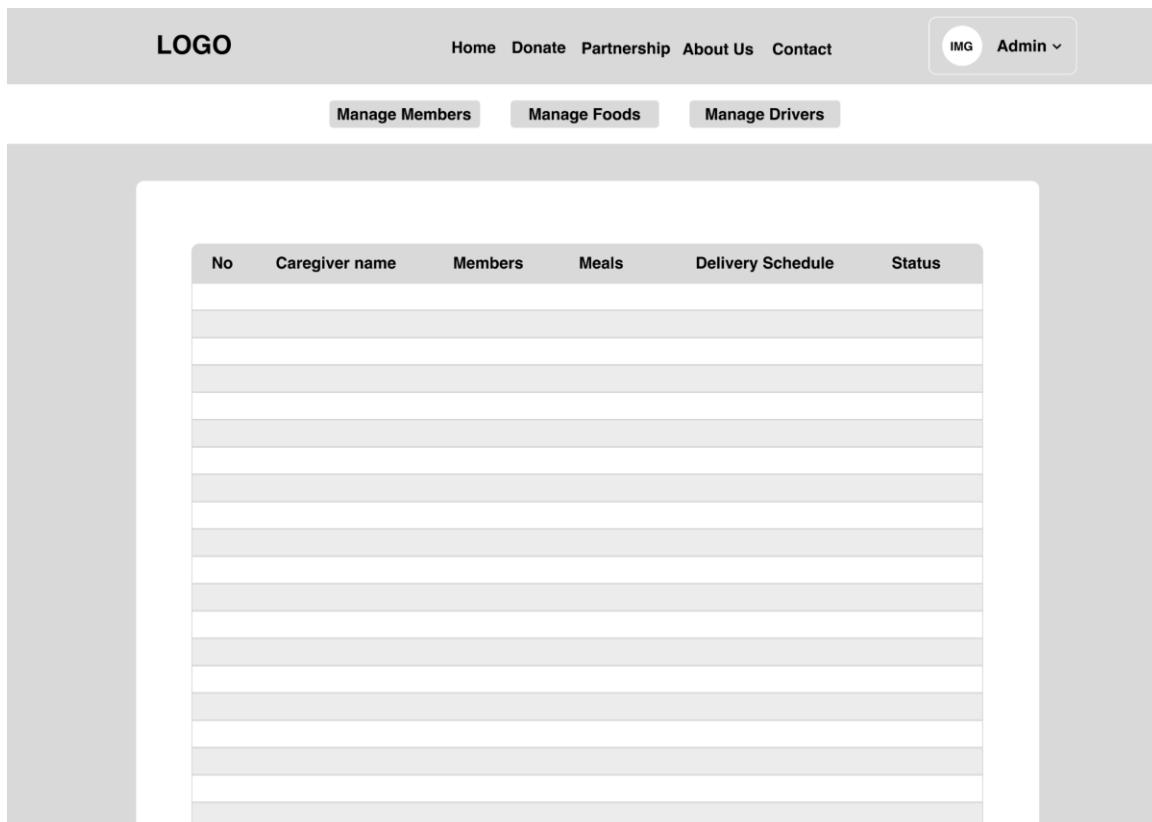
< DAILY MEALS >



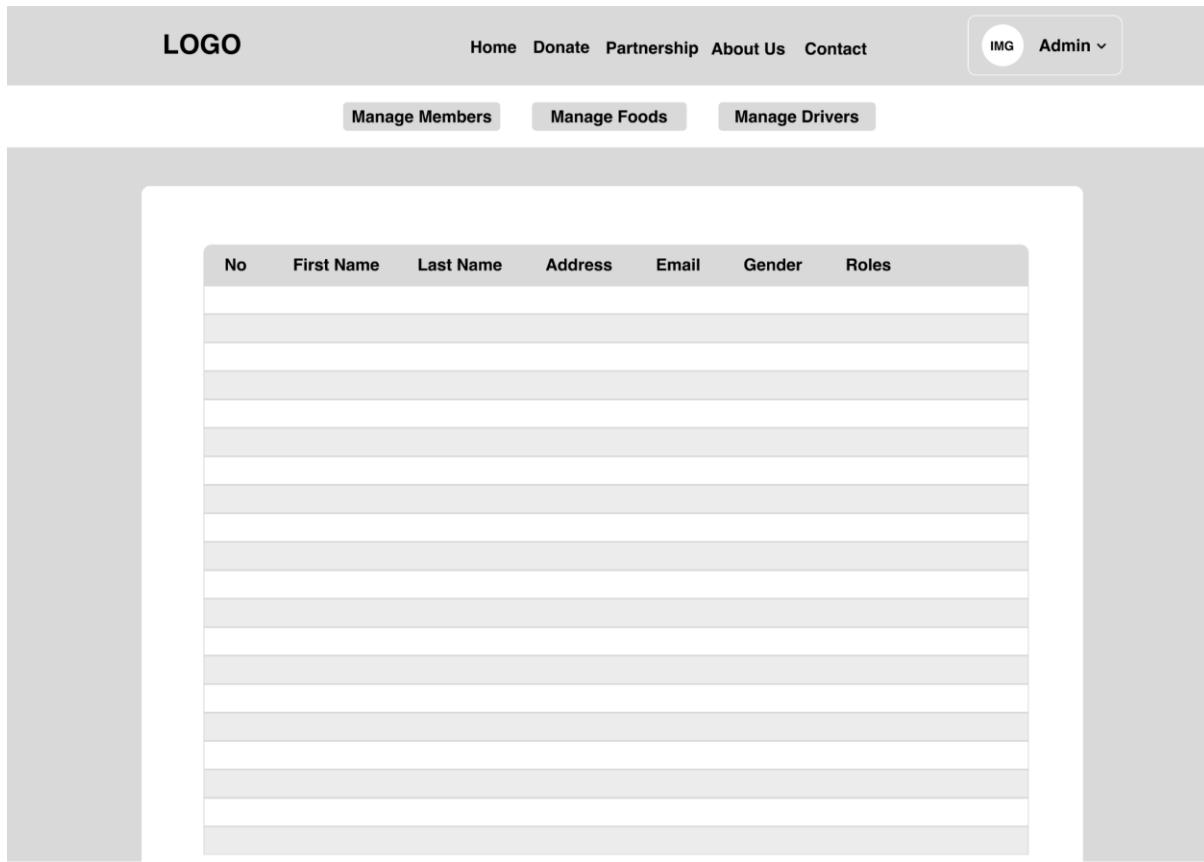
Admin: Manage Members Page



Admin: Manage Food Page

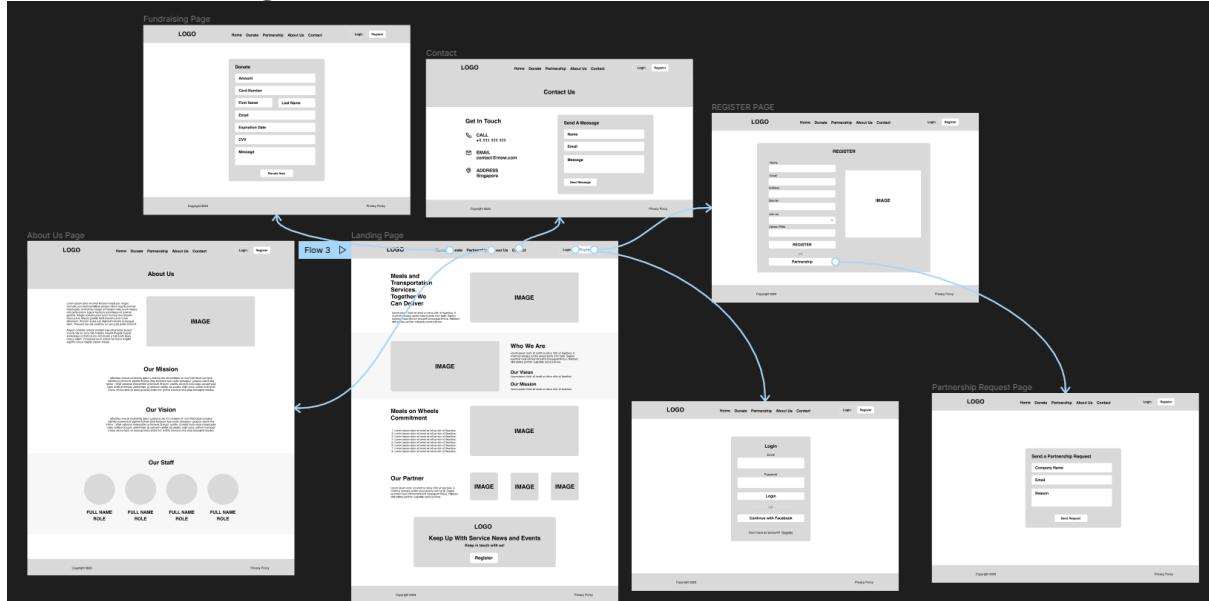


Admin: Manage Driver Page



# Module Storyboard

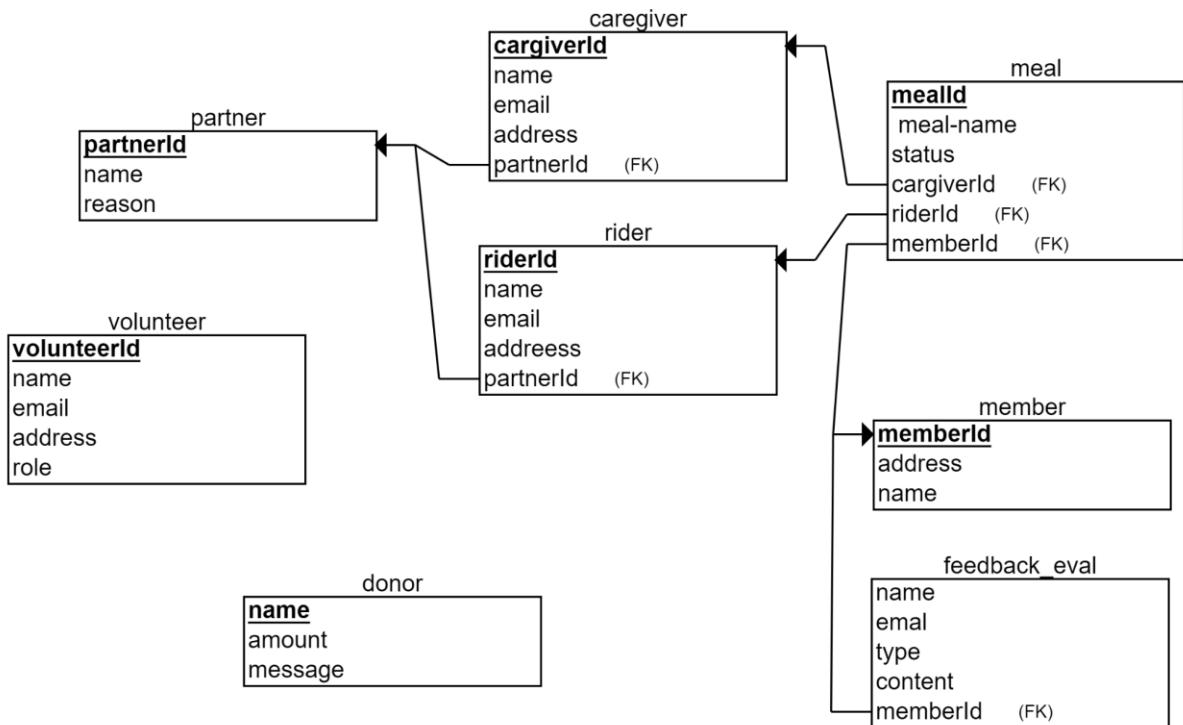
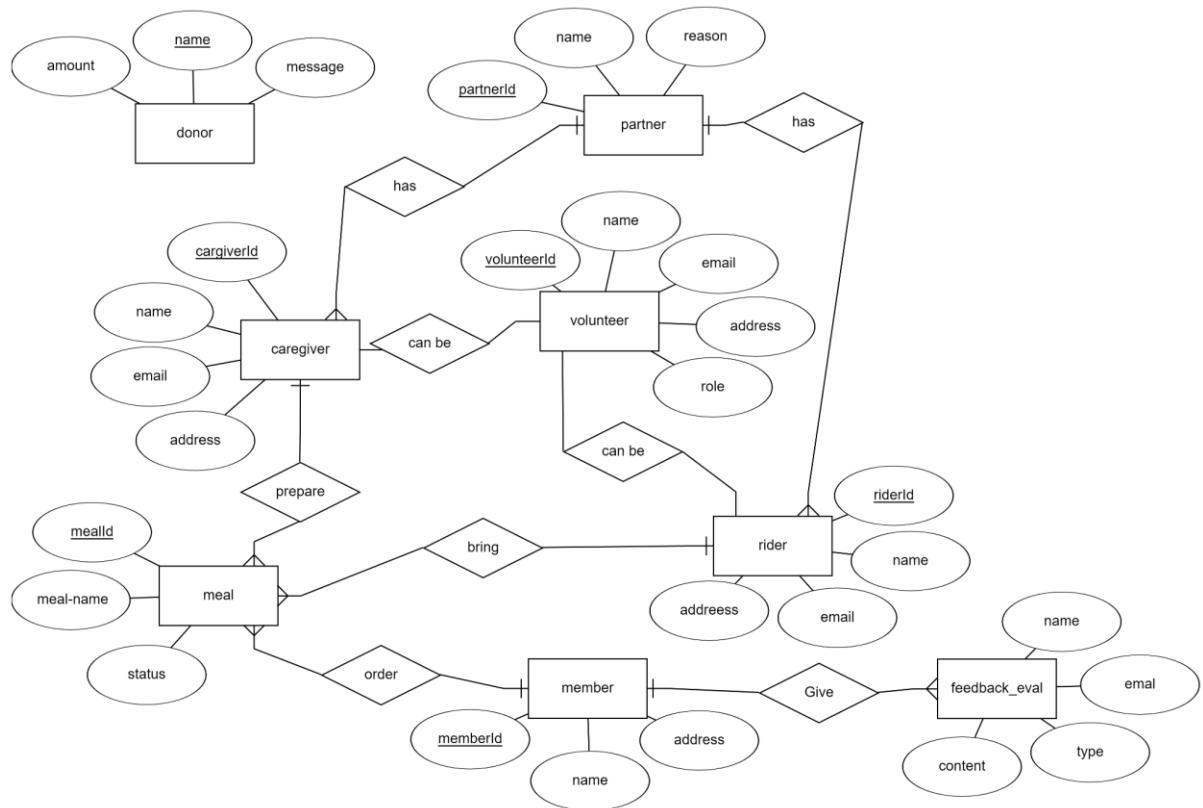
## All Users before login



## Login as a:



## DB Design:



# Project Prototype

View Flow of the Prototype Here: <https://www.shorturl.at/aFVZ7>

## Landing Page

The screenshot shows a landing page with a purple header bar containing the logo 'MON' and navigation links: Home, Donate, Partnership, About Us, Contact, Login, and Register.

**Meals and Transportation Services. Together We Can Deliver**

**Who We Are**

**Our Vision**

**Our Mission**

**Meals on Wheels Commitment**

**Our Partner**

**Keep Up With Service News and Events**

Get connected with us on social networks:

Partners

Navigation

Contact

## Register Page



Home   Donate   Partnership   About Us   Contact

Login   Register

### REGISTER

Full Name

Email

Address

Gender

Join as

Upload Files

Upload

Register

OR

Partnership



Get connected with us on social networks:



#### Meals on Wheels

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
 ucok@email.com  
 +62 713 1212 1212  
 +01 123 123 12

## Login Page

The login page features a purple header with the 'MON' logo, navigation links (Home, Donate, Partnership, About Us, Contact), and a 'Login' / 'Register' button. The main area has a purple background with a central white card titled 'LOGIN'. It contains fields for 'Email' and 'Password', a 'Show Password' checkbox, a 'Login' button, and social sign-in options for 'Facebook' and 'Google'. A 'Don't have an account? Register' link is at the bottom. Two large yellow circles are overlaid on the page: one on the left side and one on the right side of the central card.

This footer section is located below the login page. It includes a 'Get connected with us on social networks:' heading followed by icons for TikTok, Twitter, Facebook, Instagram, and YouTube. Below this are four columns: 'Meals on Wheels' (with placeholder text), 'Partners' (listing Partner# 1-4), 'Navigation' (Privacy Policy, About Us, Donate, Partnership), and 'Contact' (New York, NY 12313, ucock@email.com, +62 713 1212 1212, +01 123 123 12).

## Request Partnership Page

The footer section for the partnership request page is identical to the one above, featuring social media icons, navigation links, and contact information for Meals on Wheels.

The form is titled 'Send a Partnership Request' and consists of three input fields: 'Company Name', 'Email', and 'Reason', each with a corresponding placeholder text area. A 'Send Request' button is at the bottom.

The footer section for the partnership request page is identical to the ones above, featuring social media icons, navigation links, and contact information for Meals on Wheels.

## Fundraising Page



[Home](#) [Donate](#) [Partnership](#) [About Us](#) [Contact](#)

[Login](#)

[Register](#)

### Donate

Amount

Card Number

First Name Last Name

Email

Expiration Date

CVV

Message

[Donate Now](#)

Get connected with us on social networks:



### Meals on Wheels

Lorem ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

### Navigation

[Privacy Policy](#)  
[About Us](#)  
[Donate](#)  
[Partnership](#)

### Contact

New York, NY 12313  
 ucok@email.com  
 +62 713 1212 1212  
 +01 123 123 12

## About Us Page



The header features a purple navigation bar with the logo 'NON' on the left, followed by links for Home, Donate, Partnership, About Us, Contact, Login, and Register. A large, semi-transparent image of a group of people wearing face masks and holding a cardboard box serves as the background for the page.

Non ipsum dolor sit amet facilisis turpis per. Augue convallis sem taciti penatibus semper etiam magnis pulvinar nonummy. Sit amet id diam. Nonummy nonummy non lorum magna erat porta ipsum. Ligula intardum sponeriisque mi pulvinar gravida. Integer conubia proin tortor montes felis aliquam lectus purus. Massa gravida taciti pharetra ante curas bibendum. Pretium metus sed dignissim viverra consequat diam. Praesent hac est curabitur eu non justa porta tincidunt.

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### Our Mission

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### Our Vision

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### Our Staff



CLAIRINE MUSK  
ADMIN



Isaac Clarke  
MANAGER



Irfan Riz  
Ops SUPERVISOR



Ryutaro Uozumi  
DATA ANALYST

Get connected with us on social networks:



### Meals on Wheels

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod nisus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

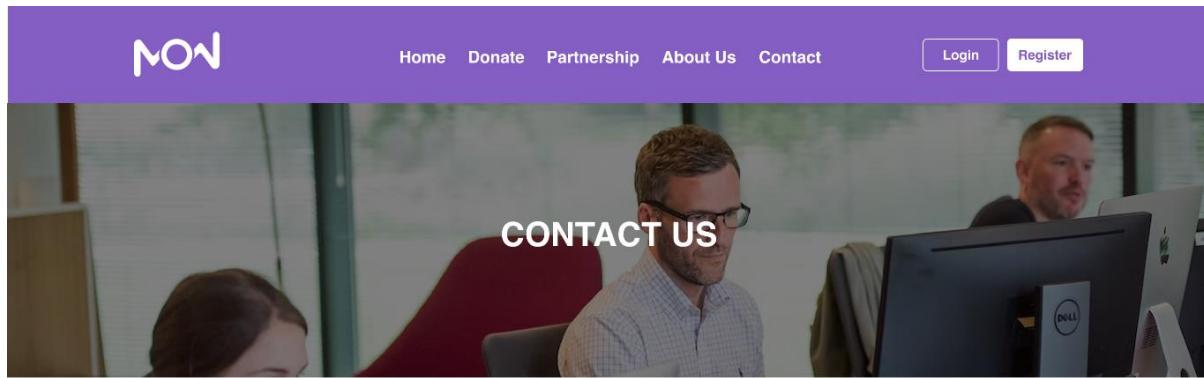
#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

## Contact Us Page



### Get In Touch

CALL  
+1 111 111 111

EMAIL  
[contact@mow.com](mailto:contact@mow.com)

ADDRESS  
Singapore

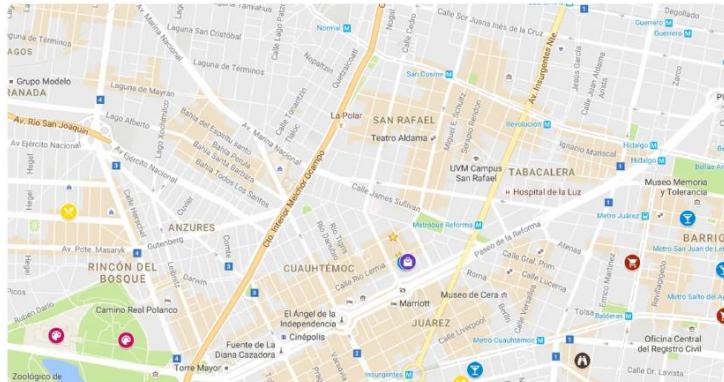
### Send A Message

Name

Email

Message

### Maps



Get connected with us on social networks:



### Meals on Wheels

Lorum ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
 ucok@email.com  
 +62 713 1212 1212  
 +01 123 123 12

## Terms & Condition Page



Home    Donate    Partnership    About Us    Contact

Login    Register

## Term and Condition

### Welcome to mealsonwheels!

These terms and conditions outline the rules and regulations for the use of Meals on Wheels's Website, located at mealsonwheels.com. By accessing this website you accept these terms and conditions. Do not continue to use mealsonwheels if you do not agree to take all of the terms and conditions stated on this page. The following terminology applies to these Terms and Conditions, Privacy Statement and Disclaimer Notice and all Agreements: "Client", "You" and "Your" refers to you, the person log on this website and complying to the Company's terms and conditions; "Company", "We", "Our" and "Us", refers to our Company, "Party", "Parties", or "Us", refers to both the Client and ourselves. All terms refer to the offer, acceptance and consideration of payment necessary to undertake the process of our assistance to the Client in the most appropriate manner for the express purpose of meeting the Client's needs in respect of provision of the Company's stated services, in accordance with and subject to, prevailing law of Netherlands. Any use of the above terminology or other words in the singular, plural, capitalization and/or he/she or they, are taken as interchangeable and therefore as referring to same.

### Cookies

We employ the use of cookies. By accessing mealsonwheels, you agree to use cookies in agreement with the Meals on Wheels's Privacy Policy.

Most interactive websites use cookies to let us retrieve the user's details for each visit. Cookies are used by our website to enable the functionality of certain areas to make it easier for people visiting our website. Some of our affiliate/advertising partners may also use cookies.

### License

Unless otherwise stated, Meals on Wheels and/or its licensors own the intellectual property rights for all material on mealsonwheels. All intellectual property rights are reserved. You may access this from mealsonwheels for your own personal use subjected to restrictions set in these terms and conditions.

### You must not:

- Republish material from mealsonwheels
- Sell, rent or sub-license material from mealsonwheels
- Reproduce, duplicate or copy material from mealsonwheels
- Redistribute content from mealsonwheels

This Agreement shall begin on the date hereof. Our Terms and Conditions were created with the help of the [Free Terms and Conditions Generator](#).

Parts of this website offer an opportunity for users to post and exchange opinions and information in certain areas of the website. Meals on Wheels does not filter, edit, publish or review Comments prior to their presence on the website. Comments do not reflect the views and opinions of Meals on Wheels, its agents and/or affiliates. Comments reflect the views and opinions of the person who post their views and opinions. It is not the responsibility of Meals on Wheels to edit or remove any Comments for any reason. Meals on Wheels shall not be liable for the Comments or for any liability, damages or expenses caused and/or suffered as a result of any use of and/or posting of and/or appearance of the Comments on this website.

Meals on Wheels reserves the right to monitor all Comments and to remove any Comments which can be considered inappropriate, offensive or causes breach of these Terms and Conditions.

### You warrant and represent that:

- You are entitled to post the Comments on our website and have all necessary licenses and consents to do so;
- The Comments do not invade any intellectual property right, including without limitation copyright, patent or trademark of any third party;
- The Comments do not contain any defamatory, libelous, offensive, indecent or otherwise unlawful material which is an invasion of privacy;
- The Comments will not be used to solicit or promote business or custom or present commercial activities or unlawful activity.

You hereby grant Meals on Wheels a non-exclusive license to use, reproduce, edit and authorize others to use, reproduce and edit any of your Comments in any and all forms, formats or media.

### Hyperlinks to our Content

The following organizations may link to our Website without prior written approval:

- Government agencies;
- Search engines;
- News organizations;
- Online directory distributors may link to our Website in the same manner as they hyperlink to the Websites of other listed businesses; and
- System wide Accredited Businesses except soliciting non-profit organizations, charity shopping malls, and charity fundraising groups which may not hyperlink to our Web site.

These organizations may link to our home page, to publications or to other Website information so long as the link: (a) is not in any way deceptive; (b) does not falsely imply sponsorship, endorsement or approval of the linking party and its products and/or services; and (c) fits within the context of the linking party's site.

We may consider and approve other link requests from the following types of organizations:

- companies in our consumer and/or business information sources;
- dot.com community sites;
- associations or other groups representing charities;
- online directory distributors;
- internet portals;
- accounting, law and consulting firms; and
- educational institutions and trade associations.

We will approve link requests from these organizations if we decide that: (a) the link would not make us look unfavorably to ourselves or to our accredited businesses; (b) the organization does not have any negative records with us; (c) the benefit to us from the visibility of the hyperlink compensates the absence of Meals on Wheels; and (d) the link is in the context of general resource information.

The link must not display our logo or our home page so long as the link: (a) is not in any way deceptive; (b) does not falsely imply sponsorship, endorsement or approval of the linking party and its products or services; and (c) fits within the context of the linking party's site.

If you are one of the organizations listed in paragraph 2 above and are interested in linking to our website, you must inform us by sending an e-mail to Meals on Wheels. Please include your name, your organization name, contact information as well as the URL of your site, a list of any URLs from which you intend to link to our Website, and a list of the URLs on our site to which you would like to link. Wait 2-3 weeks for a response.

Approved organizations may hyperlink to our Website as follows:

- By use of our corporate name; or
- By use of the uniform resource locator being linked to; or
- By use of any other description of our Website being linked to that makes sense within the context and format of content on the linking party's site.

No use of Meals on Wheels's logo or other artwork will be allowed for linking absent a trademark license agreement.

### Frames

Without prior approval and written permission, you may not create frames around our Webpages that alter in any way the visual presentation or appearance of our Website.

### Content Liability

We shall not be hold responsible for any content that appears on your Website. You agree to protect and defend us against all claims that is rising on your Website. No link(s) should appear on any Website that may be interpreted as libelous, obscene or criminal, or which infringes, otherwise violates, or advocates the infringement or other violation of, any third party rights.

### Your Privacy

Please read Privacy Policy

### Reservation of Rights

We reserve the right to request that you remove all links or any particular link to our Website. You approve to immediately remove all links to our Website upon request. We also reserve the right to amen these terms and conditions and it's linking policy at any time. By continuously linking to our Website, you agree to be bound to and follow these linking terms and conditions.

### Removal of Links from our website

If you find any link on our Website that is offensive for any reason, you are free to contact and inform us any moment. We will consider requests to remove links but we are not obligated to or so or to respond to you directly.

We do not ensure that the information on this website is correct, we do not warrant its completeness or accuracy; nor do we promise to ensure that the website remains available or that the material on the website is kept up to date.

### Disclaimer

To the maximum extent permitted by applicable law, we exclude all representations, warranties and conditions relating to our website and the use of this website. Nothing in this disclaimer will:

- limit or exclude our or your liability for death or personal injury;
- limit or exclude our or your liability for fraud or malicious misrepresentation;
- limit or exclude our or your liability for negligence which is not permitted under applicable law; or
- exclude all of our or your liabilities that may not be excluded under applicable law.

The limitations and prohibitions of liability set in this Section and elsewhere in this disclaimer: (a) are subject to the preceding paragraph; and (b) govern all liabilities arising under the disclaimer, including liabilities arising in contract, in tort and for breach of statutory duty.

As long as the website and the information and services on the website are provided free of charge, we will not be liable for any loss or damage of any nature.

Get connected with us on social networks:



### Meals on Wheels

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### Partners

- Partner#  
Partner#  
Partner#  
Partner#  
Partner#

### Navigation

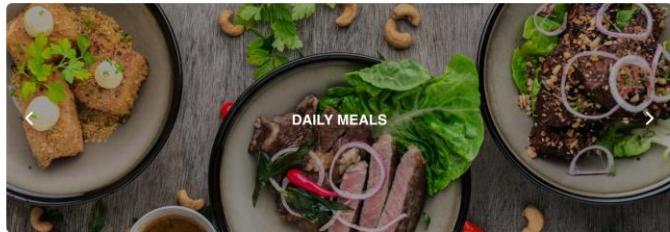
- Privacy Policy  
About Us  
Donate  
Partnership

### Contact

- New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

## Member: Homepage

The screenshot shows a purple header bar with the logo 'MON' on the left. To its right are navigation links: Home, Donate, Partnership, About Us, and Contact. On the far right is a user icon with the word 'User' and a dropdown arrow.



**Our Menus are in Packages to Help You Manage A Balanced Diet.**

Choose the package that is to your liking.

**Meal Package Card**

- Roasted Duck
- Greek Salad
- Miso Soup
- Fruit Tart
- Teh Poci

**Meal Package Card**

- 
- 
- 
- 
- 

**Meal Package Card**

- 
- 
- 
- 
- 

Get connected with us on social networks:



### Meals on Wheels

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#### Partners

Partner# Partner# Partner# Partner# Partner#

#### Navigation

Privacy Policy About Us Donate Partnership

#### Contact

✉ New York, NY 12313  
✉ ucok@email.com  
📞 +62 713 1212 1212  
✉ +01 123 123 12

## Member: Meal Package Detail

The screenshot shows a purple header bar with the logo 'MON' on the left. To its right are navigation links: Home, Donate, Partnership, About Us, and Contact. On the far right is a user icon with the word 'User' and a dropdown arrow.

### Meal Package 1



Tender and juicy duck meat, crispy skin, and glazed with the honey-balsamic glaze. Stuffed with very savory and juicy garlic and lemon.

Comes with fresh and healthy Greek Salad made of mixed greens, romaine and kale. Miso Soup with tofu and wakame seaweed. Fruit Tart with blueberries, peaches and kiwis. Lastly, a cup of Teh Poci.

**Request Meal**

Get connected with us on social networks:



### Meals on Wheels

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#### Partners

Partner# Partner# Partner# Partner# Partner#

#### Navigation

Privacy Policy About Us Donate Partnership

#### Contact

✉ New York, NY 12313  
✉ ucok@email.com  
📞 +62 713 1212 1212  
✉ +01 123 123 12

## Member: Feedback & Evaluation

Driver: Homepage

No	Pick up	Drop Off	Status	Action
1	5001 Lem Road, Charter Street, Paul's Garage	339 Tetric Road, Fort Myers, No. 18	Completed	Well Done
2	28176 Farlix, Newark Street, New Bobby	1441 Collision Lane, Dela Wears, No. 197	On the way	Complete
3	1562 Windy Road, Wayne Fort, Indie John	139 Olive Road, Atlanta George, Block A-2-2	Pending	Pick up
4	3501 Grassy Street, Manny Hamp, Surpley	4617 Turks Lane, Shreve Port, No. 1	Preparing	Ready

## Caregiver: Homepage

The screenshot shows the Caregiver homepage with a purple header bar. The header includes the logo 'MON', navigation links (Home, Donate, Partnership, About Us, Contact), a user profile icon, and a dropdown menu. Below the header are two buttons: 'Add Meal' and 'Task'. The main content area features several sections:

- Hello, John Doe**: A greeting message.
- DAILY MEALS**: A banner image showing three plates of food (rice, meat, salad) with a central text overlay.
- Meal Package List**: A table with columns for 'Meal' and a '+ Add Meal Package' button.
- Order Notification**: A table showing a single request from 'Purwa' for a 'Package Meal 2'.
- Driver Availability**: A table with columns for 'Name'.
- Task**: A table titled 'Meals Request List' showing three entries: 'Meal Package 1' (Status: Pending, Driver: John Doe, Submit), 'Meal Package 1' (Status: On the way, Driver: Alex Hendrawan, Submit), and 'Meal Package 1' (Status: Completed, Driver: John Doe, Submit).
- Social Media**: Links to TikTok, Twitter, Facebook, Instagram, and YouTube.
- Footer**: Includes the 'Meals on Wheels' logo, a paragraph of placeholder text, a 'Partners' section with links to Privacy Policy, About Us, Donate, Partnership, and a 'Navigation' section with links to Contact information (New York, NY 12313; ucock@email.com; +62 713 1212 1212; +01 123 123 12).

## Caregiver: Add Meal Popup

The screenshot shows the 'Add Package' form. It consists of several input fields and a file upload section:

Main Course	Ex: Roasted Duck/ Spicy Thai Chicken/etc
Salad	Ex: garden salad/Greek salad/ chopped Thai salad
Soup	Ex: Pumpkin soup/Tuscan/etc
Dessert	Ex: Pudding/ fruit tarts/ lemon creme etc
Drink	Ex: Carrot Juice/ Liang Tea/ Teh Poci/etc

**Upload Meal Photo**

**Submit**

## Admin: Homepage

**Home** **Donate** **Partnership** **About Us** **Contact** **Admin**

**Manage Users** **Donation History** **Partnership Setting** **Todays' Feedback**

### Dashboard

**Member** 500

**Caregiver** 500

**Driver** 500

**Partner** 500

#### Order Notification

Request	Date	Time
1. Purwa requested for Package Meal 2		

#### Donation

Name	Payment
John Doe	\$10.00

[History](#)

#### Driver Availability

Name

#### Meal Package List

Meal	CRUD

[+ Add Meal Package](#)

#### Task

Meals Request List	Status	Select Driver	
Meal Package 1	Pending	John Doe	Submit
Meal Package 1	On the way	Alex Hendrawan	Submit
Meal Package 1	Completed	John Doe	Submit

Get connected with us on social networks:

**Meals on Wheels**

Lorum ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh facilis. Sapien euismod risus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

**Partners**

[Partner#](#) [Privacy Policy](#)  
[Partner#](#) [About Us](#)  
[Partner#](#) [Donate](#)  
[Partner#](#) [Partnership](#)  
[Partner#](#) [+01 123 123 12](#)

**Navigation**

[Home](#) [Donate](#) [Partnership](#) [About Us](#) [Contact](#)

**Contact**

New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

## Admin: Donation Setting

The header features a purple bar at the top with the 'NON' logo on the left. To its right are links for Home, Donate, Partnership, About Us, and Contact. On the far right is a circular profile icon with the word 'Admin' and a dropdown arrow.

Below the purple bar is a light purple navigation bar with four buttons: Manage Users, Donation History, Partnership Setting, and Today's Feedback.

### Donation History

2022

April 15, 2022

First Name	Last Name	Amount	Message
Purwa	Wiadnyana	\$ 10.00	<p>Placeholder message for Purwa's donation.</p>

First Name	Last Name	Amount	Message
Wildan	LH	\$ 50.00	<p>Placeholder message for Wildan's donation.</p>

April 09, 2022

First Name	Last Name	Amount	Message
John	Doe	\$ 1000.00	<p>Placeholder message for John Doe's donation.</p>

April 08, 2022

First Name	Last Name	Amount	Message
John	Doe	\$ 1000.00	<p>Placeholder message for John Doe's donation.</p>

March 08, 2022

First Name	Last Name	Amount	Message
John	Doe	\$ 1000.00	<p>Placeholder message for John Doe's donation.</p>

Get connected with us on social networks:



#### Meals on Wheels

Placeholder text for Meals on Wheels information.

#### Partners

Placeholder text for partner links.

#### Navigation

Placeholder text for navigation links.

#### Contact

Placeholder text for contact information.

## Admin: Partnership Setting

MON

Home    Donate    Partnership    About Us    Contact

Admin

Manage Users    Donation History    Partnership Setting    Today's Feedback

### Manage Partner

Partnership Request

Registered Partner

April 15, 2022

Company	Email	Reason
Pt. Purwa	company@gmail.com	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque nisl ligula, dictum dictum convallis eu, placerat vitae est. Pellentesque bibendum rutrum luctus.

Company	Email	Reason
Pt. OneTv	company@gmail.com	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque nisl ligula, dictum dictum convallis eu, placerat vitae est. Pellentesque bibendum rutrum luctus.

April 09, 2022

Company	Email	Reason
Lithan. Ltd	company@gmail.com	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque nisl ligula, dictum dictum convallis eu, placerat vitae est. Pellentesque bibendum rutrum luctus.

April 08, 2022

Company	Email	Reason
company. Ltd	company@gmail.com	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque nisl ligula, dictum dictum convallis eu, placerat vitae est. Pellentesque bibendum rutrum luctus.

March 08, 2022

Company	Email	Reason
company. Ltd	company@gmail.com	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque nisl ligula, dictum dictum convallis eu, placerat vitae est. Pellentesque bibendum rutrum luctus.

Get connected with us on social networks:



#### Meals on Wheels

Lorem ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh facilis. Sapien euismod nisus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

Manage Users

Donation History

Partnership Setting

Todays' Feedback

## Manage Partner

Partnership Request

Registered Partner

Search



Charity Company Ltd

View Details



Charity Company Ltd

View Details



Charity Company Ltd

View Details



Charity Company Ltd

View Details



Charity Company Ltd

View Details

Get connected with us on social networks:



### Meals on Wheels

Lorem ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod nisus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

## Admin: Manage All User Page

MON

Home   Donate   Partnership   About Us   Contact   Admin

Manage Users   Donation History   Partnership Setting   Todays' Feedback

### Manage Partner

Partnership Request   Registered Partner

Search

Charity Company Ltd   View Details

Get connected with us on social networks:



#### Meals on Wheels

Lorum ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh facilii. Sapien euismod nisus efficitur torquent consequat finibus. Habitant nibh platea porttitor vulputate amet pulvinar.

#### Partners

Partner#  
Partner#  
Partner#  
Partner#  
Partner#

#### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

#### Contact

New York, NY 12313  
ucok@email.com  
+62 713 1212 1212  
+01 123 123 12

## Admin: Today Feedback Popup & View Partner Details Popup

### Feedback

**User Name**

**Topic: Meal Package 1**

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus.

**User Name**

**Topic: Meal Package 1**

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus.

**User Name**

**Topic: Meal Package 1**

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus.

**User Name**

**Topic: Meal Package 1**

Lore ipsum dolor sit amet ex letius nibh sit faucibus. A vivamus natoque auctor aliquet porta nibh taciti. Sapien euismod risus efficitur torquent consequat finibus.

### Partner Detail

---

**Company Name**  
Charity Company Ltd

**Company Email**  
company@gmail.com

**Company Address**  
New York Avenue, NY, 19982

**Company Phone Number**  
+61 123 1231 1231

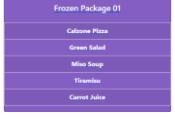
**Join Since**  
July 07, 2022

**Partnership Deal**  
Helping to deliver meals

EditConfirm

## 7. Project Stakeholder Presentation

### Stakeholders Review Statements & Document

Stakeholder	Specific Areas to be Improved	Actions to be taken to improve performance	Progress Status	Screen Capture
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	

# 8. Project Execution

## Home Page

The screenshot shows the homepage of the Meals on Wheels website. At the top, there is a purple header bar with the acronym "MON" and navigation links for Home, Donate, Partnership, About Us, Contact, Login, and Register. Below the header, the main content area has a white background with a purple wavy footer.

**Meals and Transportation Services. Together We Can Deliver**

Our aspirations and guiding principles are determined by the community we serve and we are driven by a strong commitment to our volunteers, donors, partners, and community.

**Who We Are**

All of our clients at Meals on Wheels are working toward becoming independent. We deliver hot and frozen meals, as well as provide door-to-door transportation.

**Our Vision**  
A place where everyone has a path to independence and wellness.

**Our Mission**  
Fostering community wellness one person at a time.

**Meals on Wheels Commitment**

We hold our volunteers in the highest regard; they are the foundation of our organization. Through partnership, diversity, and inclusion, we respect our community. We welcome innovation and organizational change. Our company practices fiscal, social, and environmental responsibility. We consistently offer services and programs of the highest caliber.

**Our Partner**

Providing assistance to seniors (55+) and adults with disabilities who require nutritional support. Long-term assistance or temporary assistance (caregiver relief, recovery, or seasonal).

**Keep Up With Service News and Events**  
Keep in touch with us!

[Register](#)

Get connected with us on social networks: [Facebook](#) [Instagram](#) [Twitter](#) [YouTube](#)

**Meals On Wheels**  
Meals on Wheels is a non-profit organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and families by providing nutritious meals, companionship, and a network of support.

**Partners**  
Unicef  
World Health Organization  
United Nations

**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

## Donate Page

MON

Home Donate Partnership About Us Contact Login Register

### Contribute to the Community

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](#)



Get connected with us on social networks:

f i t y

**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

**Partners**  
Unicef  
World Health Organization  
United Nations

**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

## Partnership Page

MON

Home Donate Partnership About Us Contact Login Register

### Partnership Request

Company Name

Company Email

Company Address

Password

Image Upload  
 Choose File - No file chosen

[Send Request](#)

— OR —

[Register](#)



Get connected with us on social networks:

f i t y

**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

**Partners**  
Unicef  
World Health Organization  
United Nations

**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

# About Us Page

Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support. Our mission is to promote independence and dignity by delivering meals to those who are unable to leave their homes, and to alleviate the effects of hunger, malnutrition, and social isolation.

We strive to make a positive impact on our community every day by providing essential services and creating a brighter future for all those we serve. With a dedicated team of volunteers and staff, Meals on Wheels is committed to providing the highest quality of care and support to those in need.



## Our Mission

Our company mission is to deliver meals for the elderly focuses on addressing food insecurity and nutritional needs among the senior population. Their aim is to provide hot, healthy, and nutritious meals to seniors who are unable to prepare their own meals due to physical limitations or financial constraints. The company operates with the belief that everyone deserves access to proper nutrition, regardless of age or circumstance. Their goal is to improve the quality of life for elderly individuals by supporting their basic needs and promoting independence and dignity. By delivering meals directly to their doors, the company also helps to combat social isolation and provide a vital connection to the wider community.

## Our Vision

Our company vision is to deliver meals for the elderly envisions a world where every elderly person has access to proper nutrition and can age with dignity. The company sees a future where seniors are not limited by physical or financial barriers and can enjoy healthy, hot meals every day. The company's vision is to create a community where the elderly are valued and respected, and where their basic needs are met with compassion and care. The company aspires to be a leader in addressing food insecurity and improving the quality of life for seniors, and to inspire others to take similar action. By working towards this vision, the company hopes to make a lasting impact and ensure that all elderly individuals can live fulfilling and nourished lives.

## Our Founders



**Clairine Musk**  
CEO Founder



**Isaac Clarke**  
CO Founder



**Irfan Riz**  
Director



**Ryutaro Uozumi**  
Manager

Get connected with us on social networks:



### Meals On Wheels

Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

### Partners

Unicef  
World Health Organization  
United Nations

### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

### Contact

Contact Us

# Contact Page



## Get In Touch

CALL  
+1 111 111 111

EMAIL  
contact@mow.com

ADDRESS  
Singapore

### Send a Message

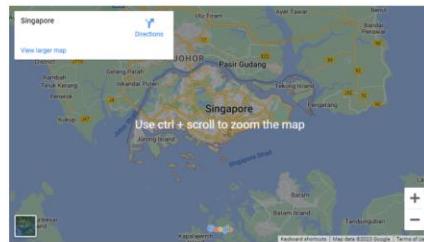
Name:

Email:

Message:

**Send Message**

## Maps



Get connected with us on social networks:



### Meals On Wheels

Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

### Partners

Unicef  
World Health Organization  
United Nations

### Navigation

Privacy Policy  
About Us  
Donate  
Partnership

### Contact

Contact Us

## Login Page

MON

Home Donate Partnership About Us Contact

Login Register

LOGIN

Email

Password

Login

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

Get connected with us on social networks:

f i t y

**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

Partners  
Unicef  
World Health Organization  
United Nations

Navigation  
Privacy Policy  
About Us  
Donate  
Partnership

Contact  
Contact Us

## Register Page

MON

Home Donate Partnership About Us Contact

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](#)

Get connected with us on social networks:

f i t y

**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

Partners  
Unicef  
World Health Organization  
United Nations

Navigation  
Privacy Policy  
About Us  
Donate  
Partnership

Contact  
Contact Us

# Member Home Page

The screenshot shows the homepage of the Meals On Wheels (MON) website. At the top, there's a purple header bar with the MON logo, navigation links (Home, Donate, Partnership, About Us, Contact), and a user icon labeled "bagus". Below the header is a grey navigation bar with links: View Daily Meals, Feedback/Evaluate, and Order History.

The main content area features a large image of a meal with the title "What is Healthy Diet" and a brief description. Below this, a section titled "Our Menus are in Packages to Help You Manage A Balanced Diet." encourages users to choose a package. Three meal packages are listed:

- Meal Package 01**
  - Vegetable Plate
  - Fruit Salad
  - Mushroom Soup
  - Baked Apple
  - Peppermint Tea[Order Meal](#)
- Meal Package 02**
  - Baked Fish
  - Grilled Halloumi
  - Creamy Carrot Soup
  - Stewed Fresh Fruits
  - Acidophilus Milk[Order Meal](#)
- Meal Package 04**
  - Broiled Lamb Chop
  - Rojak
  - 5 Elements Soup
  - Assorted Nuts
  - Alvita Tea[Order Meal](#)

At the bottom of the page, there's a social media footer with links to Facebook, Instagram, Twitter, and YouTube, along with a "Get connected with us on social networks:" message.

# Member Order Meal Page

The screenshot shows the "Order Meal" page for a selected meal package. The header and navigation bar are identical to the home page.

The main content is a card for "Meal Package 01", featuring a photo of a meal and a list of its contents:

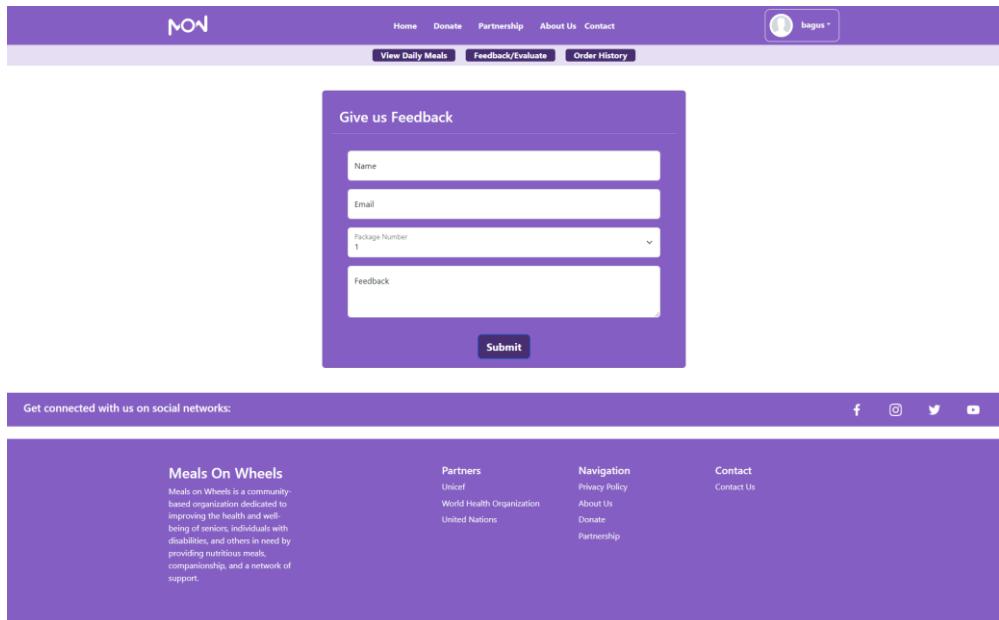
- Vegetable Plate
- Fruit Salad
- Mushroom Soup
- Baked Apple
- Peppermint Tea

At the bottom of the card are two buttons: "Cancel" and "Request Meal".

Below the card is a social media footer with links to Facebook, Instagram, Twitter, and YouTube, along with a "Get connected with us on social networks:" message.

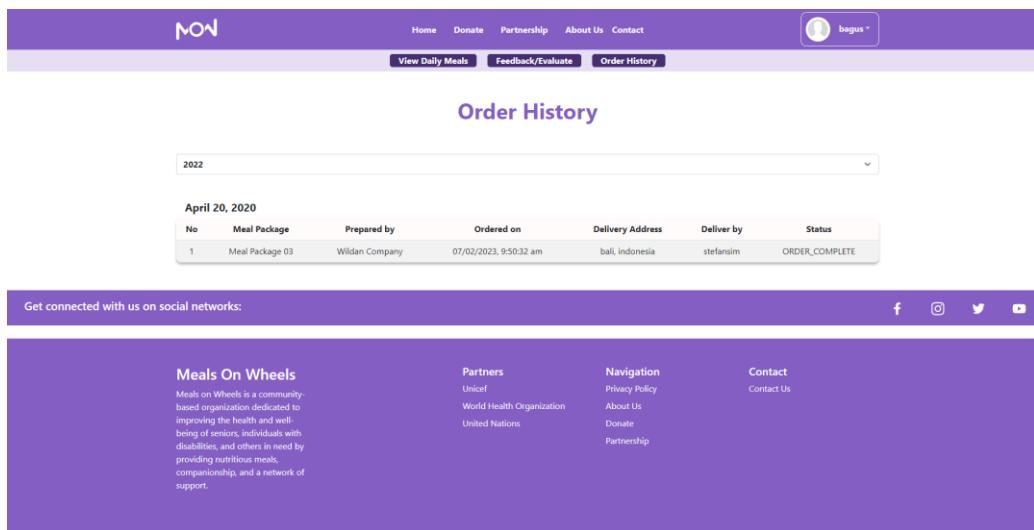
The footer also includes the "Meals On Wheels" logo and a brief description, as well as links to Partners (Unicef, World Health Organization, United Nations) and Navigation (Privacy Policy, About Us, Donate, Partnership, Contact Us).

## Member Feedback Page



The screenshot shows a purple-themed website for 'Meals On Wheels'. At the top, there's a navigation bar with links for Home, Donate, Partnership, About Us, Contact, and a 'bagus+' logo. Below the navigation is a secondary menu with buttons for View Daily Meals, Feedback/Evaluate, and Order History. The main content area features a form titled 'Give us Feedback' with fields for Name, Email, Package Number (a dropdown menu showing '1'), and a large text area for Feedback. A 'Submit' button is at the bottom of the form. At the very bottom of the page, there's a footer section with social media links for Facebook, Instagram, Twitter, and YouTube, along with a 'Get connected with us on social networks:' message.

## Member Order History Page



This screenshot displays the Member Order History Page. It follows the same purple-themed layout as the feedback page. The top navigation bar includes Home, Donate, Partnership, About Us, Contact, and the 'bagus+' logo. The secondary menu below it has buttons for View Daily Meals, Feedback/Evaluate, and Order History. The central part of the page is titled 'Order History' and shows a table for April 20, 2020. The table has columns for No, Meal Package, Prepared by, Ordered on, Delivery Address, Deliver by, and Status. One row is shown: '1 Meal Package 03 Wildan Company 07/02/2023, 9:50:32 am bali, indonesia stefansim ORDER\_COMPLETE'. Below the table is a 'Get connected with us on social networks:' section with social media icons for Facebook, Instagram, Twitter, and YouTube. The footer contains the 'Meals On Wheels' mission statement, a 'Partners' section listing Unicef, World Health Organization, and United Nations, a 'Navigation' section with Privacy Policy, About Us, Donate, and Partnership links, and a 'Contact' section with a 'Contact Us' link.

# Driver Home Page

The screenshot shows the Driver Home Page with a purple header and footer. The top navigation bar includes 'Home', 'Donate', 'Partnership', 'About Us', 'Contact', and a user icon for 'stefansim'. Below the header is a 'Dashboard' button. The main content area features a 'Profile Card' with a placeholder profile picture, name 'stefansim', role 'Driver', total delivery count '100', and status 'AVAILABLE'. To the left is a slide-in panel titled 'What is Healthy Diet' containing text about a well-balanced diet. Below the profile card is a 'Delivery Schedule' table:

No	Pick up	Drop Off	Status	Action
1	java, indonesia	bali, indonesia	READY_TO_DELIVER	Pickup
2	java, indonesia	bali, indonesia	ON_DELIVERY	Complete

The footer contains social media icons for Facebook, Instagram, Twitter, and YouTube, along with a 'Get connected with us on social networks:' message.

# Partner Home Page

The screenshot shows the Partner Home Page with a purple header and footer. The top navigation bar includes 'Home', 'Donate', 'Partnership', 'About Us', 'Contact', and a user icon for 'Wildan Company'. Below the header is a 'Dashboard' button. The main content area features a 'Meal Package List' table:

No	Meal
1	Meal Package 01
2	Meal Package 02
3	Meal Package 03
4	Meal Package 04

To the right of the meal list is a '+ Add Meal Package' button. Below the meal list is a 'Task' table:

No	Meals Request List	Status	order on	action
1	Meal Package 01	PENDING	9:50:32 am	Prepare
2	Meal Package 02	PREPARING	9:50:32 am	Complete

The footer contains social media icons for Facebook, Instagram, Twitter, and YouTube, along with a 'Get connected with us on social networks:' message.

# Caregiver Home Page

MON

Home    Donate    Partnership    About Us    Contact

Caregiver

Dashboard

Hello, Caregiver!

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	Meal Package 01	PENDING		+Select
2	Meal Package 01	PENDING	Wildan Company	+Select

Meal Package List

Meal
Meal Package 01
Meal Package 02
Meal Package 04

+ Add Meal Package

Assign Driver Task

No	Meals Request List	Status	Assigned Driver	Select Driver
1	Meal Package 03	READY_TO_DELIVER		+Select
2	Meal Package 03	READY_TO_DELIVER	stefansim	+Select

Driver Availability

no	Name	status
1	stefansim	AVAILABLE

Get connected with us on social networks:

f    i    t    y

**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

**Partners**  
Unicef  
World Health Organization  
United Nations

**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

# Admin Home Page

**Dashboard**

**Assign Partner Task**

No	Meals Request List	Status	Assigned Partner	Select Partner
1	Meal Package 01	PENDING		<button>Select</button>
2	Meal Package 01	PENDING	Widan Company	<button>Select</button>

**Meal Package List**

Meal
Meal Package 01
Meal Package 02
Meal Package 04

**Assign Driver Task**

No	Meals Request List	Status	Assigned Driver	Select Driver
1	Meal Package 03	READY_TO_DELIVER		<button>Select</button>
2	Meal Package 03	READY_TO_DELIVER	stefansim	<button>Select</button>

**Driver Availability**

no	Name	status
1	stefansim	AVAILABLE

**Active Account Request**

Name	Role	Action
norman	ROLE_VOLUNTEER	<button>Select</button>

**Assign Volunteer Role**

Name	Role	Assign Role
norman	ROLE_VOLUNTEER	<button>Select</button>

Get connected with us on social networks:

f i t y

# Admin Manage Users Page

**Manage Users**

No	Name	Address	Email	Gender	Roles	File	Action
1	Caregiver	Sumedang	caregiver@gmail.com	MALE	ROLE_CAREGIVER	<a href="#">file</a>	<button>Action</button>
2	norman	kuala lumpur, malaysia	norman@gmail.com	MALE	ROLE_VOLUNTEER	<a href="#">file</a>	<button>Action</button>
3	stefansim	bali, indonesia	stefansim@gmail.com	MALE	ROLE_RIDER	<a href="#">file</a>	<button>Action</button>
4	bugus	bali, indonesia	bugus@gmail.com	MALE	ROLE_MEMBER	<a href="#">file</a>	<button>Action</button>

Get connected with us on social networks:

f i t y

## Admin Manage Partner Page

The screenshot shows the 'Manage Partner' section of the admin interface. It displays a single row for 'Wildan Company' with columns for Company Name, Image, Address, and Email. The image is a placeholder profile picture. The address is 'java, indonesia' and the email is 'wildan@gmail.com'. Navigation tabs at the top include 'Partnership Request' and 'Registered Partner'. A social media connection bar at the bottom features icons for Facebook, Instagram, Twitter, and YouTube.

Company Name	Image	Address	Email
Wildan Company		java, indonesia	wildan@gmail.com

## Admin Meal History Page

The screenshot shows the 'Meal History' section of the admin interface. It lists meal packages for April 20, 2020, with columns for No, Name, Package Name, Deliver to, Order On, Prepare by, Deliver by, and Status. The status column indicates the current stage of each delivery. A date selector dropdown is visible above the table. A social media connection bar at the bottom features icons for Facebook, Instagram, Twitter, and YouTube.

No	Name	Package Name	Deliver to	Order On	Prepare by	Deliver by	Status
1	bagus	Meal Package 01	bali, indonesia	07/02/2023, 9:50:32 am			PENDING
2	bagus	Meal Package 01	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company		PENDING
3	bagus	Meal Package 02	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company		PREPARING
4	bagus	Meal Package 03	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company		READY_TO_DELIVER
5	bagus	Meal Package 03	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company	stefansim	READY_TO_DELIVER
6	bagus	Meal Package 01	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company	stefansim	ON_DELIVERY
7	bagus	Meal Package 02	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company	stefansim	DELIVERY_COMPLETE
8	bagus	Meal Package 03	bali, indonesia	07/02/2023, 9:50:32 am	Wildan Company	stefansim	ORDER_COMPLETE

Get connected with us on social networks:

f i t y

## 9. Module Testing

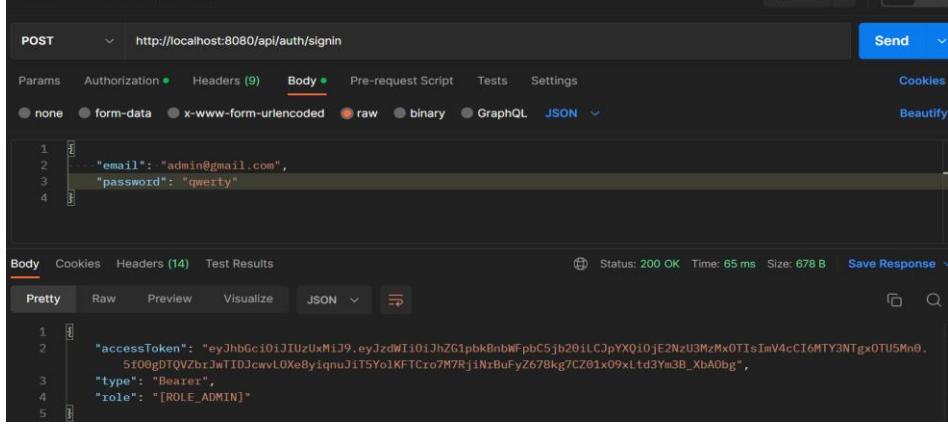
Test Scenario ID	Test Scenario	Number of test cases
TS001-Integration Testing	Ensure account authorization with JWT Token	1
TS002-UAT testing	3. Ensure user navigation is easy	3
TS003-UAT testing	4. Ensure caregiver can add meals easily	1
TS004-UAT testing	Ensure SQLI is prevented	3
TS005-Cross Browser testing	Ensure application works across multiple major browsers	6

### Scenario 1: Integration Testing

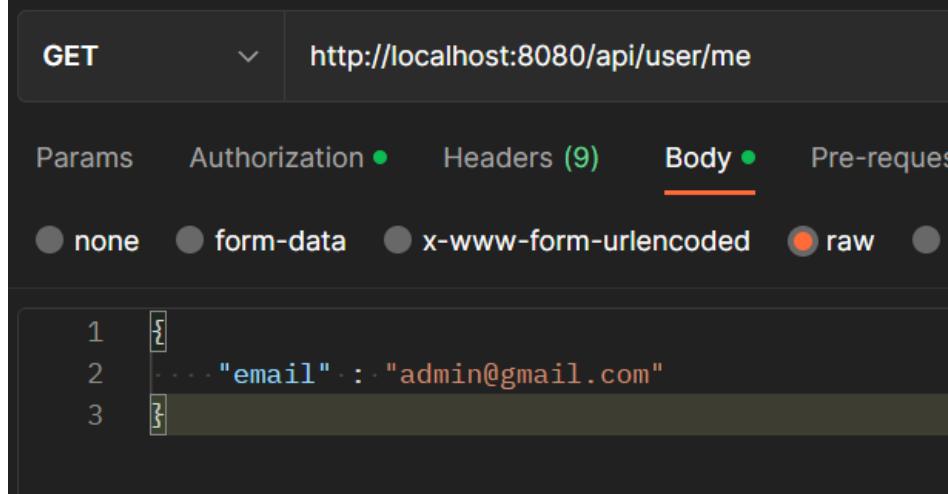
Test Scenario	Ensure account authorization with JWT Token
TS001	
Test Cases	Integration Testing
IT001	Check if the user can access the website if there is no bearer token.

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS001	IT001	5	- Open Postman API - Register to get Bearer token	The user without their bearer token authorization will not be able to access the website.	As expected	Pass

## Test Data Table

Test Scenario	Test Case	Test Data
TS001	IT001	<p>http://localhost:8080/api/auth/signin</p>  <pre> POST http://localhost:8080/api/auth/signin  Params Authorization Headers (9) Body Pre-request Script Tests Settings none form-data x-www-form-urlencoded raw binary GraphQL JSON  1 2   "email": "admin@gmail.com", 3   "password": "qweerty" 4  Body Cookies Headers (14) Test Results Pretty Raw Preview Visualize JSON Status: 200 OK Time: 65 ms Size: 678 B Save Response 1 2   "accessToken": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbkBnbWFpbC5jb20iLCJpYXQiOjE2NzU3MzMxOTIsImV4cCI6MTY3NTgxOTU5Mn0, 5f00gDTQVZbrJwTIDJcwvLOXeByiqnuJit5YolKFTCro7M7RjiNrBuFyZ67Bkg7CZ01x09xLd3Ym3B_XbA0bg", 3   "type": "Bearer", 4   "role": "[ROLE_ADMIN]" 5 </pre>

## Test Evidence

Test Scenario	Test Case	Screen Capture
TS001	IT001	<p>http://localhost:8080/api/user/me</p>  <pre> GET http://localhost:8080/api/user/me  Params Authorization Headers (9) Body Pre-request none form-data x-www-form-urlencoded raw binary  1 2   "email": "admin@gmail.com" 3  ( ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about <a href="#">variables</a> ↗ </pre>

The screenshot shows a REST API response in a JSON editor. The response body is a single object with the following structure:

```

1  {
2    "path": "/api/user/me",
3    "error": "Unauthorized",
4    "message": "current user not found",
5    "status": 401
6  }

```

The tabs at the top are Body, Cookies, Headers (14), and Test Results. Below the tabs are buttons for Pretty, Raw, Preview, Visualize, and JSON dropdown.

## Scenario 2: User Acceptance Testing

<b>Test Scenario</b>	1. Ensure user navigation is easy
<b>TS002</b>	
<b>Test Cases</b>	UAT Test
<b>UAT001</b>	Check to see if member can navigate easily
<b>UAT002</b>	Check to see if caregiver can navigate easily
<b>UAT003</b>	Check to see if rider can navigate easily

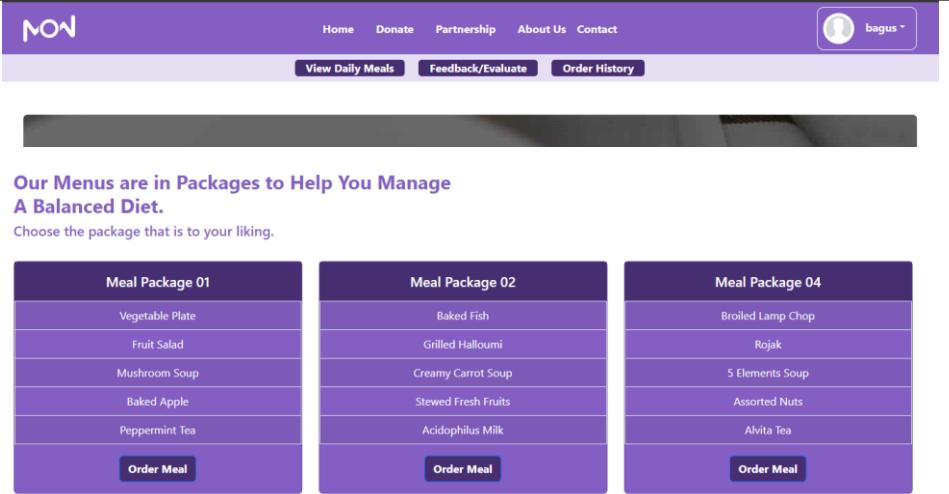
Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS002	UAT001	3	- Logged in as Member / Caregiver / Rider	Members can easily see meal card packages after they log in, and order meals if they choose based on the card, & they can send feedback on the meal.	As expected	Pass
	UAT002	3		Caregivers can see their dashboard, and add meals easily on the dashboard page also, and assign	As expected	Pass

				drivers & assign partners also.		
UAT003	3			Drivers can see any delivery request on their dashboard.	As expected	Pass

## Test Data Table

Test Scenario	Test Case	Test Step
TS002	UAT001	<ul style="list-style-type: none"> <li>● Navigate to view meals page</li> <li>● Navigate to feedback page</li> </ul>
	UAT002	<ul style="list-style-type: none"> <li>● Navigate to dashboard</li> <li>● Add meal page button</li> <li>● Table Assign driver &amp; assign partner</li> </ul>
	UAT003	<ul style="list-style-type: none"> <li>● Navigate dashboard</li> <li>● View delivery request</li> </ul>

## Test Evidence

Test Scenario	Test Case	Screen Capture
TS002	UAT001 1	 <p>The screenshot shows the app's main menu. At the top, there is a purple header bar with the logo 'NON' and navigation links: Home, Donate, Partnership, About Us, Contact, a user icon labeled 'bagus', and a dropdown menu. Below the header, a message reads: "Our Menus are in Packages to Help You Manage A Balanced Diet." It says, "Choose the package that is to your liking." There are three columns of meal packages:</p> <ul style="list-style-type: none"> <li><b>Meal Package 01</b> contains: Vegetable Plate, Fruit Salad, Mushroom Soup, Baked Apple, Peppermint Tea. A blue "Order Meal" button is at the bottom.</li> <li><b>Meal Package 02</b> contains: Baked Fish, Grilled Halloumi, Creamy Carrot Soup, Stewed Fresh Fruits, Acidophilus Milk. A blue "Order Meal" button is at the bottom.</li> <li><b>Meal Package 04</b> contains: Broiled Lamb Chop, Rojak, 5 Elements Soup, Assorted Nuts, Alvita Tea. A blue "Order Meal" button is at the bottom.</li> </ul>

	UAT00 2	<p>The screenshot shows the Caregiver Acc dashboard. At the top, there's a purple header with the logo 'NON', navigation links ('Home', 'Donate', 'Partnership', 'About Us', 'Contact'), and a dropdown for 'CaregiverAcc'. Below the header is a blue banner with the word 'Dashboard'. The main content area features a large image of food with the text 'Hello, CaregiverAcc!' above it. Below the image is a slide with the title 'What is Healthy Diet' and a description about healthy eating. To the right of the slide is a 'Meal Package List' table with columns for No., Meals Request List, Status, Assigned Partner, and Select Partner. The table contains 7 rows, each with a red 'PENDING' status and a 'Select' button. To the right of the table is another table titled 'Meal Package List' with a single row: 'Meal Package 01'. At the bottom right is a '+ Add Meal Package' button.</p>
	UAT00 3	<p>The screenshot shows the Caregiver Acc dashboard. At the top, there's a purple header with the logo 'NON', navigation links ('Home', 'Donate', 'Partnership', 'About Us', 'Contact'), and a dropdown for 'stefansim'. Below the header is a blue banner with the word 'Dashboard'. The main content area features a large image of food with the text 'What is Healthy Diet' and a description about healthy eating. To the right of the image is a 'Profile Card' box with a placeholder profile picture, the name 'stefansim', 'Driver' status, and 'Total Delivery : 100'. Below the profile card is a 'Delivery Schedule' table with columns for No., Pick up, Drop Off, Status, and Action. It shows one entry: '1' with 'java, indonesia' as the pick-up location and 'bali, indonesia' as the drop-off location, in a 'READY_TO_DELIVER' status with a 'Pickup' button.</p>

### Scenario 3: User Acceptance Testing

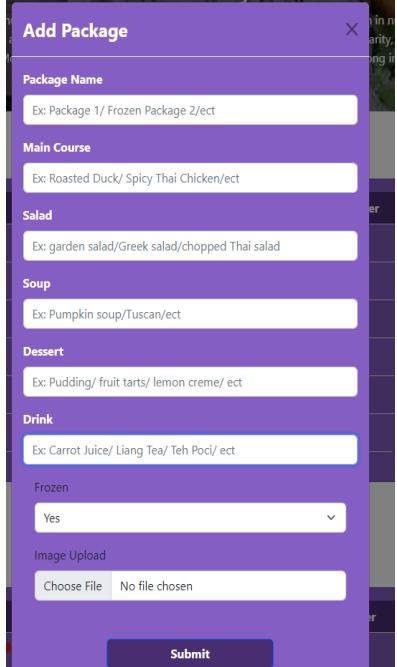
<b>Test Scenario</b>	Ensure caregiver can add meals easily
<b>TS003</b>	
<b>Test Cases</b>	UAT Test
<b>UAT001</b>	Check to see if the caregiver is able to add a meal package easily.

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS003	UAT001	3	Logged in as Caregiver	Caregivers can easily add a meal package by accessing a Popup card to add that package.	As expected	Pass

## Test Data Table

Test Scenario	Test Case	Test Step
TS003	UAT001	Go to dashboard and Click on Add Meal Button at Meal Package Card

## Test Evidence

Test Scenario	Test Case	Screen Capture								
TS001	IT001	<p style="text-align: center;"><b>Meal Package List</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="1">Meal</th> </tr> </thead> <tbody> <tr> <td>Meal Package 01</td> </tr> <tr> <td>Meal Package 02</td> </tr> <tr> <td>Meal Package 04</td> </tr> <tr> <td>asdasd</td> </tr> <tr> <td>asdasd</td> </tr> <tr> <td>asdasd</td> </tr> <tr> <td><a href="#" style="color: blue; text-decoration: none;">+ Add Meal Package</a></td> </tr> </tbody> </table> 	Meal	Meal Package 01	Meal Package 02	Meal Package 04	asdasd	asdasd	asdasd	<a href="#" style="color: blue; text-decoration: none;">+ Add Meal Package</a>
Meal										
Meal Package 01										
Meal Package 02										
Meal Package 04										
asdasd										
asdasd										
asdasd										
<a href="#" style="color: blue; text-decoration: none;">+ Add Meal Package</a>										

#### **Scenario 4: User Acceptance Testing**

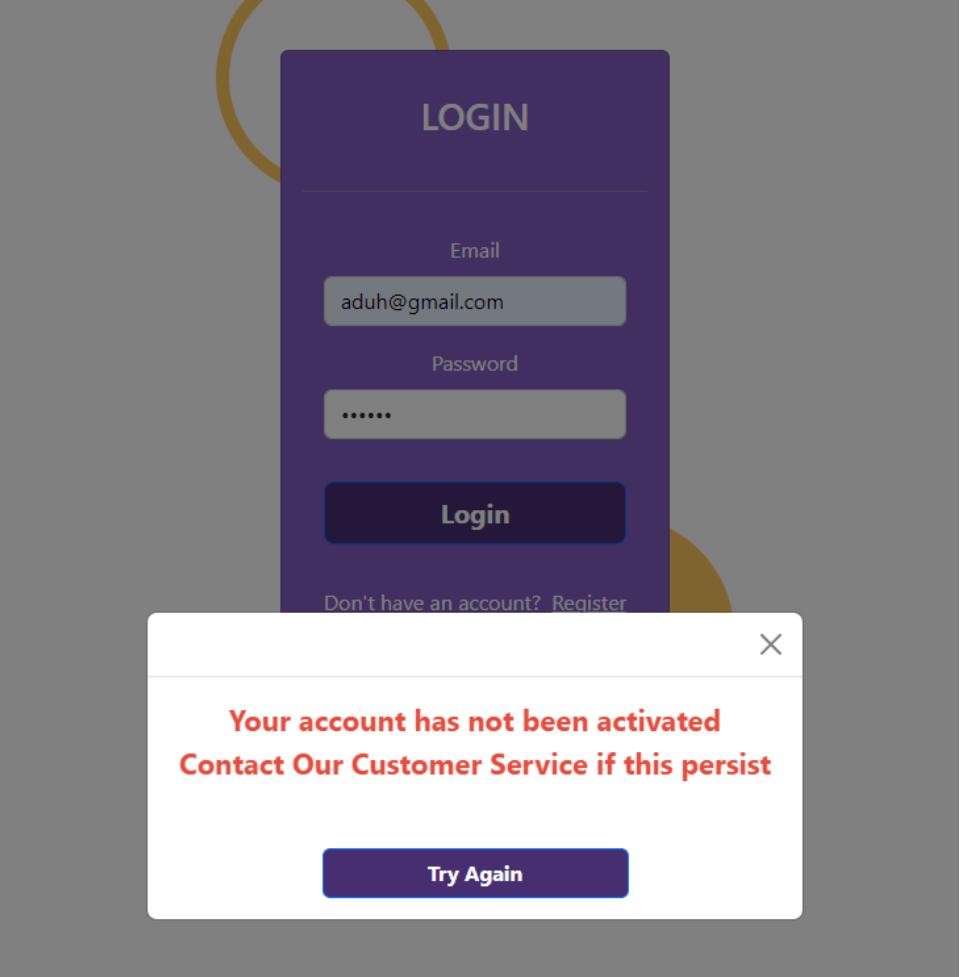
<b>Test Scenario</b>	Ensure Login Validation
<b>TS004</b>	
<b>Test Cases</b>	UAT Test
<b>UAT001</b>	Check to see if the login validation able to function properly

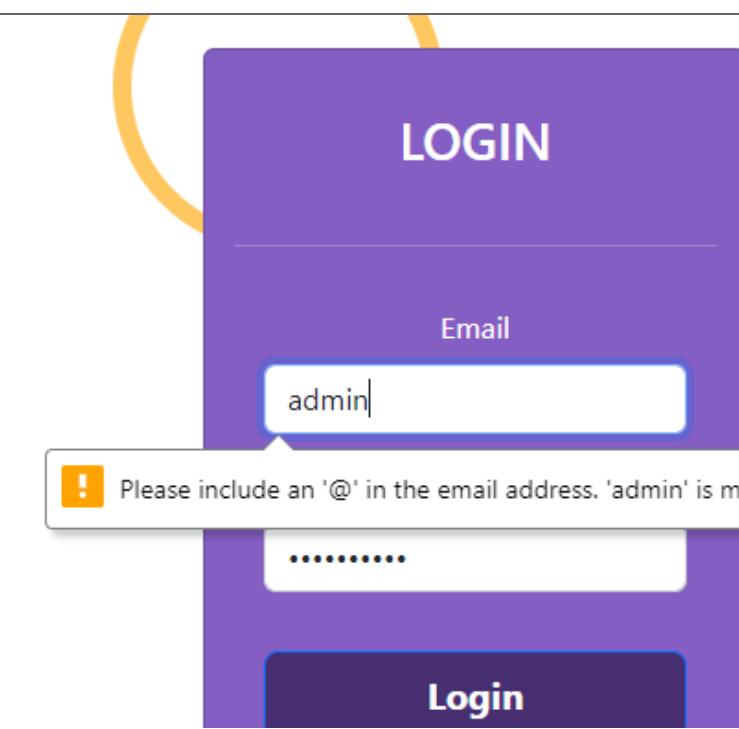
Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS004	UAT001	5	Type in URL Click on login Enter fields with test data Click submit	Login fail if the account is not activated yet & popup message will appear	As expected	Pass
	UAT002	5		Login fail if the input password or email is wrong & popup message will appear	As expected	Pass
	UAT003	5		Suggestion message appear if the user missing @ on email input	As expected	Pass

#### **Test Data Table**

Test Scenario	Test Case	Test Data
TS004	UAT001	Email=" <a href="mailto:registered@email.com">registered@email.com</a> " password="qwerty"
TS004	UAT002	Email=" <a href="mailto:registered@email.com">registered@email.com</a> " password="wrong password input"
TS004	UAT003	Email= "tes" password= "qwerty"

## Test Evidence

Test Scenario	Test Case	Screen Capture
TS004	UAT001	 <p>The screenshot shows a mobile-style login interface. At the top is a purple header with the word "LOGIN". Below it is a form with two input fields: "Email" containing "aduh@gmail.com" and "Password" containing several dots. A blue "Login" button is at the bottom of the form. Below the form, a small link says "Don't have an account? Register". A white modal box is overlaid on the screen. It has a red "X" icon in the top right corner. Inside the modal, there is a red message: "Your account has not been activated" and "Contact Our Customer Service if this persist". At the bottom of the modal is a dark blue "Try Again" button.</p>

	UATO 02	 A screenshot of a mobile-style login interface. At the top is a purple header with the word "LOGIN" in white. Below it is a light gray input field labeled "Email" containing the text "admin". A yellow exclamation mark icon in a box appears next to the input field with the message "Please include an '@' in the email address. 'admin' is missing an '@'." Below the input field is another light gray input field with several dots indicating the length of the entered password. A dark blue button labeled "Login" is centered below the password field.
	UATO 03	

## **Scenario 5: Cross Browser Testing**

<b>Test Scenario</b>	Ensure application works across multiple major browsers
<b>TS005</b>	
<b>Test Cases</b>	Cross Browser Test
<b>CBT001</b>	Check to see if register works on Firefox
<b>CBT002</b>	Check to see if register works on Internet Explorer
<b>CBT003</b>	Check to see if register works on Google Chrome
<b>CBT004</b>	Check to see if login works on Firefox
<b>CBT005</b>	Check to see if login works on Internet Explorer
<b>CBT006</b>	Check to see if login works on Google Chrome

Test Scenario ID	Test Case	Risk	Preconditions	Expected Result	Actual Result	Final Result
TS005	CBT001	3	Downloaded required browser	Register save data to database and redirect user to login page	As expected	Pass
	CBT002	3		Register save data to database and redirect user to login page	As expected	Pass
	CBT003	3		Register save data to database and redirect user to login page	As expected	Pass
	CBT004	3	Downloaded required browser	Login validate with database and redirect user to home page	As expected	Pass
	CBT005	3		Login validate with database and redirect user to home page	As expected	Pass
	CBT006	3		Login validate with database and redirect user to home page	As expected	Pass

## Test Evidence

Test Scenario	Test Case	Screen Capture								
TS005	CBT001	<p>MON</p> <p>In database:</p> <table border="1"> <tr> <td>5546 Mer street, Fort Doomy</td> <td>dud@mail.com</td> <td>http:...</td> <td>MALE</td> <td>http://l...</td> <td>Du My</td> <td>\$2a\$10...</td> <td>ROLE_MEMBER</td> </tr> </table>	5546 Mer street, Fort Doomy	dud@mail.com	http:...	MALE	http://l...	Du My	\$2a\$10...	ROLE_MEMBER
5546 Mer street, Fort Doomy	dud@mail.com	http:...	MALE	http://l...	Du My	\$2a\$10...	ROLE_MEMBER			

CBT002

**MON**

Home Donate Partnership About Us Contact Login Register

### REGISTER



Full Name: Du My

Address: 5546 Mer street, Fort Doomy

Gender: Male

Role: Member

Email: dud@mail.com

Password: \*\*\*\*\*

Qualification File Upload: Choose File - certificate.jpg

Image Upload: Choose File - ri-COMSnBZ\_-unsplash.jpg

**Register**

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**Meals On Wheels**  
Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

**Partners**  
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World Health Organization  
United Nations

**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

In database:

5546 Mer street, Fort Doomy dud@mail.com http://... MALE http://... Du My \$2a\$10... ROLE\_MEMBER

CBT003

**MON**

Home Donate Partnership About Us Contact Login Register

### REGISTER



Full Name: Du My

Address: 5546 Mer street, Fort Doomy

Gender: Male

Role: Member

Email: dud@mail.com

Password: \*\*\*\*\*

Qualification File Upload: Choose File - certificate.jpg

Image Upload: Choose File - ri-COMSnBZ\_-unsplash.jpg

**Register**

Already have an account? [Login](#)

Get connected with us on social networks: [f](#) [i](#) [t](#) [y](#)

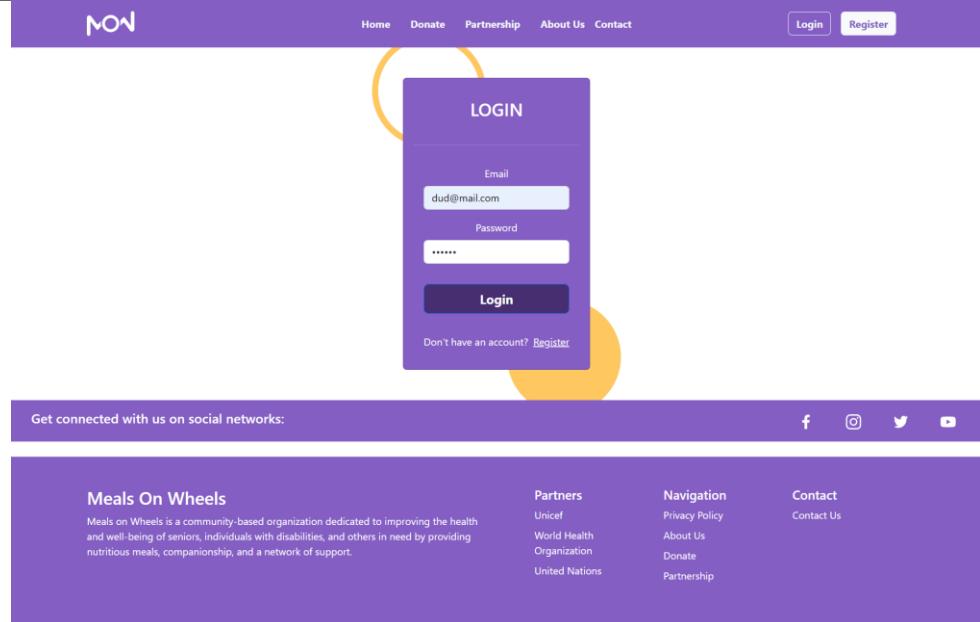
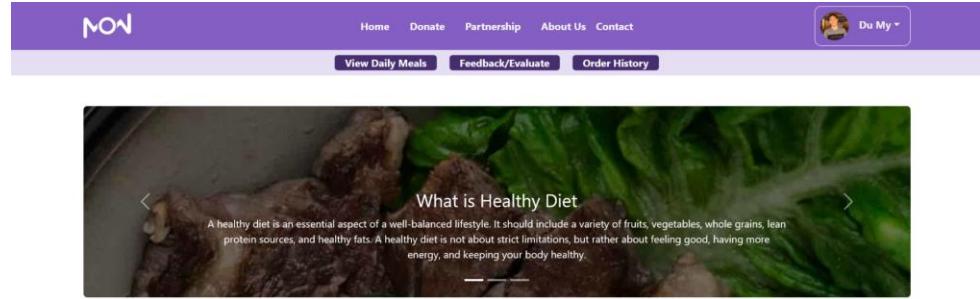
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Unicef  
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**Navigation**  
Privacy Policy  
About Us  
Donate  
Partnership

**Contact**  
Contact Us

In database:

		<p>5546 Mer street, Fort Doomy dud@mail.com http://... MALE http://l... Du My \$2a\$10... ROLE_MEMBER</p>																				
CBT004	 <p><b>MON</b></p> <p>Home    Donate    Partnership    About Us    Contact    <a href="#">Login</a>    <a href="#">Register</a></p> <p><b>LOGIN</b></p> <p>Email: dud@mail.com Password:   <a href="#">Login</a></p> <p>Don't have an account? <a href="#">Register</a></p> <p>Get connected with us on social networks: <a href="#">f</a> <a href="#">i</a> <a href="#">t</a> <a href="#">y</a></p> <p><b>Meals On Wheels</b> Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.</p> <p><b>Partners</b> Unicef World Health Organization United Nations</p> <p><b>Navigation</b> Privacy Policy About Us Donate Partnership</p> <p><b>Contact</b> Contact Us</p>																					
	 <p><b>MON</b></p> <p>Home    Donate    Partnership    About Us    Contact    <a href="#">Du My</a></p> <p><a href="#">View Daily Meals</a>    <a href="#">Feedback/Evaluate</a>    <a href="#">Order History</a></p> <p><b>What is Healthy Diet</b> 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.</p>																					
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Peppermint Tea	Acidophilus Milk	Alvita Tea																				
<a href="#">Order Meal</a>	<a href="#">Order Meal</a>	<a href="#">Order Meal</a>																				

CBT005

MON

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[Login](#) [Register](#)

## LOGIN

Email

dud@mail.com

Password

\*\*\*\*\*

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## Meals On Wheels

Meals on Wheels is a community-based organization dedicated to improving the health and well-being of seniors, individuals with disabilities, and others in need by providing nutritious meals, companionship, and a network of support.

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World Health Organization  
United Nations

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Donate  
Partnership

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## 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.

## Our Menus are in Packages to Help You Manage A Balanced Diet.

Choose the package that is to your liking.

## Meal Package 01

- Vegetable Plate
- Fruit Salad
- Mushroom Soup
- Baked Apple
- Peppermint Tea

[Order Meal](#)

## Meal Package 02

- Baked Fish
- Grilled Halloumi
- Creamy Carrot Soup
- Stewed Fresh Fruits
- Acidophilus Milk

[Order Meal](#)

## Meal Package 04

- Broiled Lamb Chop
- Rojak
- 5 Elements Soup
- Assorted Nuts
- Alvita Tea

[Order Meal](#)

pm m p

- ad m p
- tas m p
- sop m p
- des m p
- dr m p

[Order Meal](#)

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Partnership

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Contact Us

CBT006

**MON**

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**LOGIN**

Email: dud@mail.com

Password: \*\*\*\*\*

**Login**

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Peppermint Tea

**Order Meal**

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Grilled Halloumi
Creamy Carrot Soup
Stewed Fresh Fruits
Acidophilus Milk

**Order Meal**

**Meal Package 04**

Broiled Lamb Chop
Rojak
5 Elements Soup
Assorted Nuts
Alvita Tea

**Order Meal**

pm m p
ad m p
tas m p
sop m p
des m p
dr m p

**Order Meal**

Get connected with us on social networks: [f](#) [i](#) [t](#) [y](#)

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## **Result Analysis**

1. Information extraction: The developed application is able to extract relevant information needed such as email, address, gender, qualification files, and images. All this information meets the project objective in which the Merry Meal will need information about adults who are really in need of help and qualified to get the free meals. Address and email is required to know the location since MerryMeal work will mostly involve real life interactions.
2. Receive donation: Our group implements third-party payment using Stripe API to receive donation easily. This easily accessible donation will help anyone who wants to donate but is unable to donate it directly in real life. Also this method will improve Merry Meal funds.
3. Menu Planning: Our group creates a meal package which contains a 5 course meal (main course, dessert, drink, salad, soup). This package can be posted by a MerryMeal Organization partner. Then the member will be able to see & order that package. The caregiver will see the order requested and will work to inform the partner to prepare the meal, after preparation is complete, the caregiver will assign a driver to deliver it to the member (qualified adults).

## **Conclusion**

In conclusion, our developed application website is able to meet the general requirements of Merry Meal Organization's objective. But there are several area that need improvements such as:

1. One who registered as a volunteer needs a set duration on how long they are going to volunteer (2 weeks or 1 month), since they are not full-time workers like caregivers or drivers.

2. Each user role on the website can't edit their registered data, as a result they are unable to have a profile page and change the data on the website.
3. Need more polishing on the front-end design.

## **Application Future Recommendations**

As our team develops the website application, we discover several things that can be recommended for future development or updates.

1. Add Food Safety Management System
2. Add Order Notification for Caregiver, Partner, & Admin.
3. Add chat functionality for the member to chat with the caregiver or admin directly & instantly.

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