1) Introduction

Aceadora Tech has been engaged as a website developer for the development. As a project manager knowledge project making plans reporting is critical to communicating relevant and timely facts to key stakeholders. project making plans reviews deliver project managers more manipulate over their task and reduce the time spent balancing resource requirements with resources available. It additionally enables ensure that the necessary assets and abilities are to be had on the right time and within the right location, enabling extra task success. data is fundamental to challenge manage and management. without the potential to communicate relevant and timely facts to key stakeholders there's no manipulate over the assignment and, ultimately, it'll fail. To attain challenge achievement, it is vital to accumulate and percentage statistics correctly, and the satisfactory manner to do that is the use of reviews. reports are created for the duration of the challenge lifecycle, and, whilst many views them as time-ingesting, exhausting, and painful, they may be one of the most critical assets a challenge manager has at their disposal.

2) Scope

The scope of this project includes the following:

- The implementation of a new software system
- Data migration from the old system to the new system
- User training and support
- System maintenance and upgrades

- Explain principles of problem management across its lifecycle.
- Use various tools, process and technologies to facilitate problem identification, investigation, analysis & resolution
- Explain various steps to investigate & diagnose problems.
- Prioritize & Categorize change requests.
- Prepare a solution to address the root cause of the problem.
- Document & monitor the problems
- Explain best practices in documenting problems

3) Objectives

The objectives of this project are as follows:

- The grant objective of this project is considered to be development of skills required for project planning, implementation, testing and documentation.
- Identify and analyse business processes
- Creating a business process session.
  It defines the roles and obligations of the project management team participants.
- It guarantees that the project management group works in step with the business targets.
- It checks feasibility of the schedule and consumer necessities.
- It determines project constraints.
- To improve the accuracy and efficiency of the customer data management process
- To increase the speed of customer data retrieval
- To reduce the time spent on manual data entry and management
- To improve the quality of customer service provided to customers

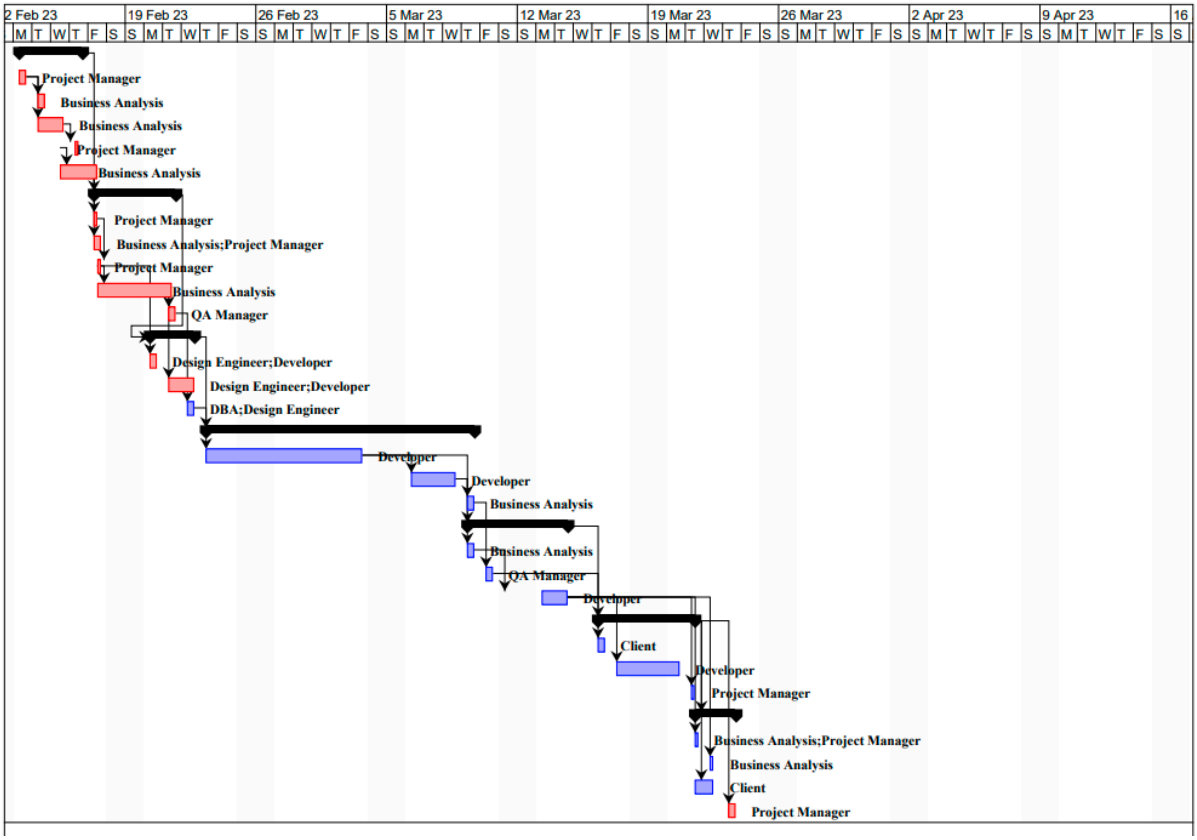
4) Milestones

The following milestones will be achieved during this project:

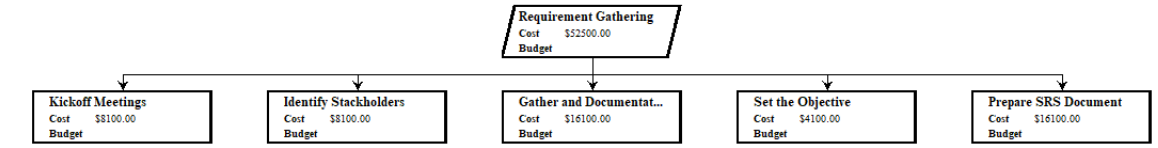
Milestone	Target Date	Deliverable
1	13/2/2023	Project kick-off meeting
2	15/2/2023	Requirements gathering and analysis completed
3	16/2/2023	Software system selected and purchased
4	18/2/2023	System configuration completed
5	21/2/2023	Data migration completed
6	23/2/2023	User training completed
7	25/2/2023	System goes live
8	27/2/2023	System maintenance and upgrades begin

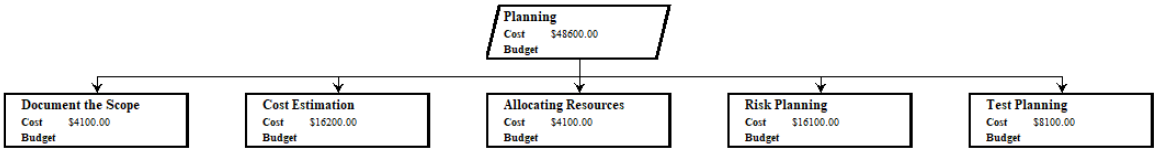
5) Gantt Chart

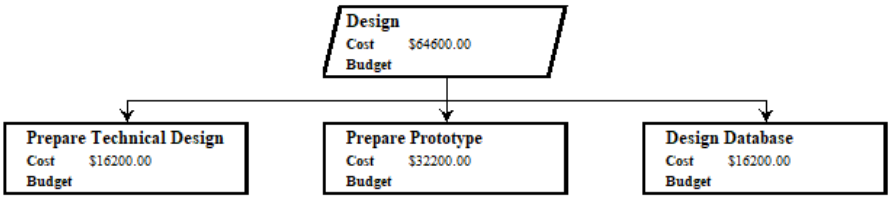
		Name	Duration	Start	Finish	Predecessors	Resource Names
1		**Requirement Gathering**	**4 days**	**2/13/23 8:00 AM**	**2/16/23 5:00 PM**		
2		Kickoff Meetings	1 day	2/13/23 8:00 AM	2/13/23 5:00 PM		Project Manager
3		Identify Stackholders	1 day	2/14/23 8:00 AM	2/14/23 5:00 PM	2	Business Analysis
4		Gather and Documentation	2 days	2/14/23 8:00 AM	2/15/23 5:00 PM	2	Business Analysis
5		Set the Objective	0.5 days	2/15/23 8:00 AM	2/15/23 1:00 PM	4	Project Manager
6		Prepare SRS Document	2 days	2/15/23 8:00 AM	2/16/23 5:00 PM	5	Business Analysis
7		**Planning**	**3 days**	**2/17/23 8:00 AM**	**2/21/23 5:00 PM**	**1**	
8		Document the Scope	0.5 days	2/17/23 8:00 AM	2/17/23 1:00 PM	6	Project Manager
9		Cost Estimation	1 day	2/17/23 8:00 AM	2/17/23 5:00 PM	6	Business Analysis;Project Manager
10		Allocating Resources	0.5 days	2/17/23 8:00 AM	2/17/23 1:00 PM	8	Project Manager
11		Risk Planning	2 days	2/17/23 8:00 AM	2/20/23 5:00 PM	10	Business Analysis
12		Test Planning	1 day	2/21/23 8:00 AM	2/21/23 5:00 PM	11	QA Manager
13		**Design**	**3 days**	**2/20/23 8:00 AM**	**2/22/23 5:00 PM**	**7**	
14		Prepare Technical Design	1 day	2/20/23 8:00 AM	2/20/23 5:00 PM	10	Design Engineer;Developer
15		Prepare Prototype	2 days	2/21/23 8:00 AM	2/22/23 5:00 PM	11	Design Engineer;Developer
16		Design Database	1 day	2/22/23 8:00 AM	2/22/23 5:00 PM	12	DBA;Design Engineer
17		**Implementation**	**11 days**	**2/23/23 8:00 AM**	**3/9/23 5:00 PM**	**13**	
18		Coding the Source Code	7 days	2/23/23 8:00 AM	3/3/23 5:00 PM	16	Developer
19		Implement the database	3 days	3/6/23 8:00 AM	3/8/23 5:00 PM	18	Developer
20		Prepare Business Logics	1 day	3/9/23 8:00 AM	3/9/23 5:00 PM	19	Business Analysis
21		**Testing**	**4 days**	**3/9/23 8:00 AM**	**3/14/23 5:00 PM**	**18**	
22		Conduct Unit Testing	1 day	3/9/23 8:00 AM	3/9/23 5:00 PM	19	Business Analysis
23		Conduct Integration Test	1 day	3/10/23 8:00 AM	3/10/23 5:00 PM	20	QA Manager
24		Fix the erros	2 days	3/11/23 8:00 AM	3/14/23 5:00 PM	22	Developer
25		**Deployment**	**3.5 days**	**3/16/23 8:00 AM**	**3/21/23 1:00 PM**	**21**	
26		UAT Testing	1 day	3/16/23 8:00 AM	3/16/23 5:00 PM	23	Client
27		Fix errors	2 days	3/17/23 8:00 AM	3/20/23 5:00 PM	24	Developer
28		Deploy the website	0.5 days	3/21/23 8:00 AM	3/21/23 1:00 PM	24	Project Manager
29		**Maintenance**	**2.5 days**	**3/21/23 1:00 PM**	**3/23/23 5:00 PM**	**25**	
30		Release the user guide ...	0.5 days	3/21/23 1:00 PM	3/21/23 5:00 PM	24	Business Analysis;Project Manager
31		Proveide post deployment	0.5 days	3/22/23 8:00 AM	3/22/23 1:00 PM	24	Business Analysis
32		Service level agreement	1 day	3/21/23 1:00 PM	3/22/23 1:00 PM	25	Client
33		Complete Project	1 day	3/23/23 8:00 AM	3/23/23 5:00 PM	25	Project Manager

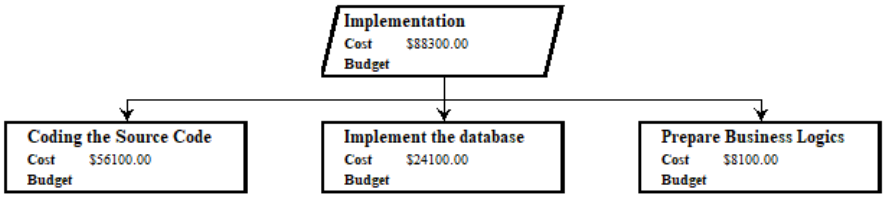


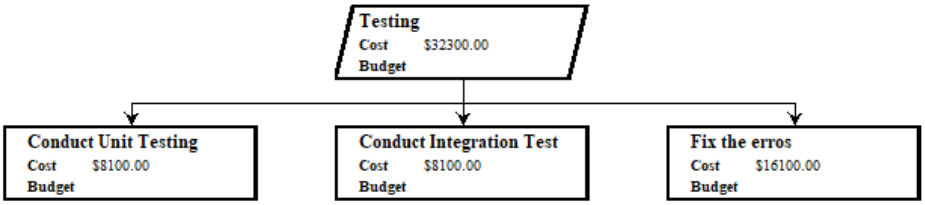
6) WBS

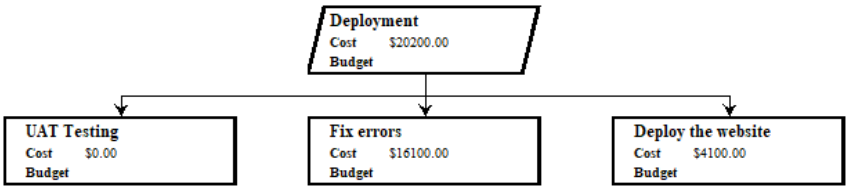

Requirement Gathering
Cost $52500.00
Budget
Kickoff Meetings
Cost $8100.00
Budget
Identify Stackholders
Cost $8100.00
Budget
Gather and Documentat...
Cost $16100.00
Budget
Set the Objective
Cost $4100.00
Budget
Prepare SRS Document
Cost $16100.00
Budget

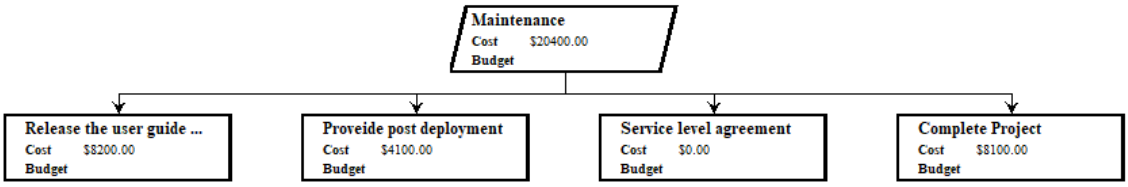

Planning
Cost $48600.00
Budget
Document the Scope
Cost $4100.00
Budget
Cost Estimation
Cost $16200.00
Budget
Allocating Resources
Cost $4100.00
Budget
Risk Planning
Cost $16100.00
Budget
Test Planning
Cost $8100.00
Budget


Design
Cost $64600.00
Budget
Prepare Technical Design
Cost $16200.00
Budget
Prepare Prototype
Cost $32200.00
Budget
Design Database
Cost $16200.00
Budget


Implementation
Cost $88300.00
Budget
Coding the Source Code
Cost $56100.00
Budget
Implement the database
Cost $24100.00
Budget
Prepare Business Logics
Cost $8100.00
Budget


Testing
Cost $32300.00
Budget
Conduct Unit Testing
Cost $8100.00
Budget
Conduct Integration Test
Cost $8100.00
Budget
Fix the erros
Cost $16100.00
Budget


Deployment
Cost $20200.00
Budget
UAT Testing
Cost $0.00
Budget
Fix errors
Cost $16100.00
Budget
Deploy the website
Cost $4100.00
Budget


Maintenance
Cost $20400.00
Budget
Release the user guide ...
Cost $8200.00
Budget
Proveide post deployment
Cost $4100.00
Budget
Service level agreement
Cost $0.00
Budget
Complete Project
Cost $8100.00
Budget

7) Budget

Year:		0	0	1	1	2	2	3	3	
Project Expenditures	Rate $ per Unit/Day	Quantity Units/Days	$	Quantity Units/Days	$	Quantity Units/Days	$	Quantity Units/Days	$	Total $
Software costs										
Application software user licences	1000	0	0	30	30000	35	35000	0	0	65000
Software modifications	0	0	0	0	0	0	0	0	0	0
Additional licences	1000	0	0	5	5000	0	0	0	0	5000
Database user licences	5000	0	0	1	5000	0	0	0	0	5000
Operating system	0	0	0	0	0	0	0	0	0	0
Additional security applications	1000	0	0	2	2000	0	0	0	0	2000
Sub total			0		42000		35000		0	77000
Hardware costs										
Servers (new or upgraded, dedicated or shared)	20000	0	0	2	40000	0	0	0	0	40000
PC's (new or upgrades)	1000	0	0	25	25000	0	0	0	0	25000
Additional memory	0	0	0	0	0	0	0	0	0	0
Additional cpu	0	0	0	0	0	0	0	0	0	0
Additional processing services (temporary or permanent) eg via cloud services or other internal resource	0	0	0	0	0	0	0	0	0	0
Printers	1000	0	0	5	5000	0	0	0	0	5000
Scanners	0	0	0	0	0	0	0	0	0	0
UPS	0	0	0	0	0	0	0	0	0	0
Back up devices	0	0	0	0	0	0	0	0	0	0
Disk storage	0	0	0	0	0	0	0	0	0	0
Sub total			0		70000		0		0	70000
Network costs										
Cabling or wireless LAN, WAN or other network	5000	1	5000	1	5000	0	0	0	0	10000
Racks	1000	1	1000	0	0	0	0	0	0	1000
Routers	1500	1	1500	0	0	0	0	0	0	1500
Switching devices	0	0	0	0	0	0	0	0	0	0
Modems	0	0	0	0	0	0	0	0	0	0
Leased or dedicated lines	5000	0	0	1	5000	0	0	0	0	5000
Communications software	0	0	0	0	0	0	0	0	0	0
Internet access eg ADSL / broadband, satellite	0	0	0	0	0	0	0	0	0	0
Sub total			7500		10000		0		0	17500
Support costs										
Client manager	400	0	0	4	1600	4	1600	0	0	3200
IS support	300	0	0	6	1800	6	1800	0	0	3600
DB analyst	300	0	0	2	600	2	600	0	0	1200
Networking support	0	0	0	0	0	0	0	0	0	0
Sub total			0		4000		4000		0	8000
Training										
Technical training for implementation team (by vendor)	1000	0	0	10	10000	0	0	0	0	10000
Training key users (by vendor)	1000	0	0	4	4000	10	10000	0	0	14000
Temporary internal training facilities	0	0	0	0	0	0	0	0	0	0
Training remainder of users (internally or by vendor)	0	0	0	0	0	0	0	0	0	0
Training materials	100	0	0	10	1000	50	5000	0	0	6000
Sub total			0		15000		15000		0	30000

Data costs										
Data clean up / de-duplication	0	0	0	0	0	0	0	0	0	0
Data archiving	0	0	0	0	0	0	0	0	0	0
Sub total			0		0		0		0	0
Overheads										
Additional heat, air conditioning, light, power for project implementation and ongoing live running	250	1	250	1	250	1	250	1	250	1000
Other allocated business costs	250	1	250	1	250	1	250	1	250	1000
Sub total			500		500		500		500	2000
Contingency										
Estimated 10% of total implementation costs			0		20000		10000		0	30000
Total implementation costs			8000		161500		64500		500	234500

Ongoing costs										
Annual vendor maintenance / service charges for:										
- software	14000	0	0	0	0	1	14000	1	14000	28000
- hardware	0	0	0	0	0	0	0	0	0	0
- database	1000	0	0	0	0	1	1000	1	1000	2000
Internal IS support	0	0	0	0	0	0	0	0	0	0
Disaster recovery for systems and data (internally or outsource to remote location)	1000	0	0	5	5000	2	2000	2	2000	9000
Total ongoing costs			0		5000		17000		17000	39000
Project cost calculations										
Total project cost										350500
Number of users (software licences)										65
Total project cost per user										5392

8) Risk

Risk	Impact	Likelihood	Mitigation Strategy
Data loss during migration	High	Low	Backup data before migration and test migration process
User resistance to new system	Medium	Medium	Provide thorough training and support to users
Software compatibility issues	High	Medium	Test software thoroughly before implementation and have a contingency plan in place
Team member lack the desired competencies for website testing	Medium	Medium	Plan training course to skill up your members
The project agenda is simply too tight; it's difficult to finish this task on time	Medium	Medium	Set test priority for every of the test activity
A loss of cooperation negatively impacts your personnel' productiveness	Medium	Medium	encourage each group member in his task, and encourage them to more efforts.
incorrect budget estimate and value overruns	Medium	Medium	establish the scope earlier than starting paintings, pay

			lots of interest to undertaking planning and constantly music and degree the development

9) Testing Plan

- **UAT TESTING**

Those take a look at cases consciousness on analyzing the user acceptance testing environment. They're extensive enough to cowl the whole system and their cause is to affirm if the application is acceptable to the person. Person recognition take a look at cases are organized by way of the testing group or product supervisor after which used by the quit user or customer. Those checks are often the last step before the gadget is going to production.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS001	Validating data that is input into registration form	User can register login without filling the input fields	Functional Testing	All field is needed except "phone number" subject if the user input clean statistics It ought to throw an error
TS002	After user submitting correct data it should load a thank you page	User will redirect to the other page		Load thank you page after a successful registration

TS003	Search Product by key word	User unable to search correct product		When the product name is searched among the relevant care registration data, it displays the relavant information og the given product details on the search result page
TS004	Search product by price range	User unable to find products		Error message (car not found) will be displayed after submitting details of unregistered product
TS005	Validating data that is input into the login form	Users will not be able to login and use the main functionality of the portal		When trying to login in after inputting an incorrect password, an error message is displayed
TS006	Check that the login button loads the profile page when logged in.	User unable to go to profile page		After entering the details correctly and clicking the login button, the user will be logged in to the profile page
TS007	Check access website from the			"user" role has access to publish car, place vehicle

	user with the role "USER" and user with role "ADMIN"			bid, appoint test drive, "ADMIN" role has get right of entry to to admin dashboard and website car income control
TS008	After the user clicking see more button on product details it should load a car details page			After the user clicking see more button on product details it should load a product details page
TS009	After the product details posted, those details should be added to the database	Posted product details not stored in databaase		After the product details posted, those details should be added to the database

➢ UNIT TESTING

Unit testing involves analyzing man or woman devices or additives of the software program to confirm every unit performs as expected. A unit is the smallest testable detail of software. It regularly takes some inputs to supply a single output.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS010	Ensure that registration	User unable to register		The entered data should be added to the

	working correctly	to the platform		database and the thank you page should appear to the user after a successful registration
TS011	Ensure that login working correctly	User unable to login		User Profile should be loaded
TS012	Ensure that the search product working correctly	User unable to find productd		Search products details should be appeared
TS013	Ensure that the view product working correctly	User unable to view correct details		Product view page should be appeared
TS014	Ensure that post-product working correctly			Posted product should be appeared on all products page
TS015	Ensure that add to cart working properly			

➢ Performance Testing

These test cases can help validate reaction times and affirm the overall effectiveness of the device. Performance test cases include a totally strict set of fulfilment criteria and may be used to understand how the system will function inside the real international. Performance test instances are normally written by the testing team, but they may be frequently computerized because one gadget can call for masses of heaps of overall performance assessments.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS016	Test cases Loading Time/ speed checking out	The load time exceeds the expected time.	Performance Testing / Functional Testing	After users/admins registered, the thank you page will be displayed. They can be returned by clicking the home button when needed
TS017	Allocate the login web page to the index page at login load time.	The load time exceeds the expected time.		
TS018	To look how long it takes for the user	The load time exceeds		

	to come back to the home page and sign up and log in.	the expected time.		

➢ Compatibility Testing

A compatibility test is an evaluation used to ensure a software software is well operating across distinctive browsers, databases, operating systems (OS), mobile devices, networks and hardware.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS019	Check the register user is working correctly	The look and feel are working as intended on Google Chrome.	Cross Browser Testing	Loaded the Thank Page correctly
TS020	Check that registration page is working correctly on Mozilla Firefox	The look and feel are working as intended on Mozilla Firefox		Loaded the Thank Page correctly
TS021	Check that registration page is	The look and feel are working as		Loaded the Thank Page correctly

	working correctly on Microsoft Edge	intended on Microsoft Edge		
TS022	Check the login user is working correctly on Google Chrome.	The look and feel are working as intended on Google Chrome.		Loaded the Login Page correctly
TS023	Check that Login page is working correctly on Mozilla Firefox	The look and feel are working as intended on Mozilla Firefox		Loaded the Login Page correctly
TS023	Check that Login page is working correctly on Microsoft Edge.	The look and feel are working as intended on Microsoft Edge		Loaded the Login Page correctly
TS024	Check the Add product is working correctly on Google Chrome.	The look and feel are working as intended on Google Chrome		Loaded the Add product correctly.
TS025	Check that Add product is working	The look and feel are working as		Loaded the Add product correctly.

	correctly on Mozilla Firefox.	intended on Mozilla Firefox		
TS026	Check that Add product is working correctly on Microsoft Edge	The look and feel are working as intended on Microsoft Edge		Loaded the Add product correctly.
TS027	Check the View product is working correctly on Google Chrome	The look and feel are working as intended on Google Chrome		Loaded the View product page correctly
TS028	Check the View product is working correctly on Mozilla Firefox	The look and feel are working as intended on Mozilla Firefox		Loaded the View product page correctly
TS029	Check the View product is working correctly on Microsoft Edge	The look and feel are working as intended on Microsoft Edge		Loaded the View product page correctly

➢ Usability Testing

Usability testing is a way of trying out the functionality of a website, app, or different digital product by watching actual customers as they attempt

to finish responsibilities on it. The customers are commonly discovered via researchers working for a enterprise.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS030	Jumpstart e commerce portal with GUI and User-friendly interface design - Registration		Usability Testing	Jumpstart e commerce portal portal meet with GUI and User-friendly interface design.
TS031	Jumpstart e commerce portal with GUI and User-friendly interface design - Login			Jumpstart e commerce portal portal meet with GUI and User-friendly interface design.
TS032	Identify whether the portal satisfies users when it comes to user experience	User is not satisfied with the user experience of the portal based on stated metrics.		The metrics defined have high score rating which correlates to how satisfied the end-user to the

	using various metrices such as TOT, TSR, EOR, CSAT	They also state lots of pain points from the system.		portal's user experience.

- **Portability Testing**

Portability testing is the manner of determining the degree of ease or problem to which a software program issue or application can be successfully and correctly transferred from one hardware, software program or different operational or utilization surroundings to any other.

Test Scenario	**Test Objective**	**Risk**	**Technique**	**Expected Result**
TS033	Check Jumpstart is working on Phone	The portal does not have a correct UI for mobile and small viewports, which hinders user activities.	Portability Testing	The ABC Car portal is working on phone correctly.
TS034	Check Jumpstart is working on tablet	The portal does not have a correct UI for tablet and small viewports, which		The ABC Car portal is working on tablet correctly.

		hinders user activities.		
TS035	Check Jumpstart is working on laptop	The portal does not have a correct UI for laptop and small viewports, which hinders user activities.		The ABC Car portal is working on laptop correctly.

➢ Security Testing

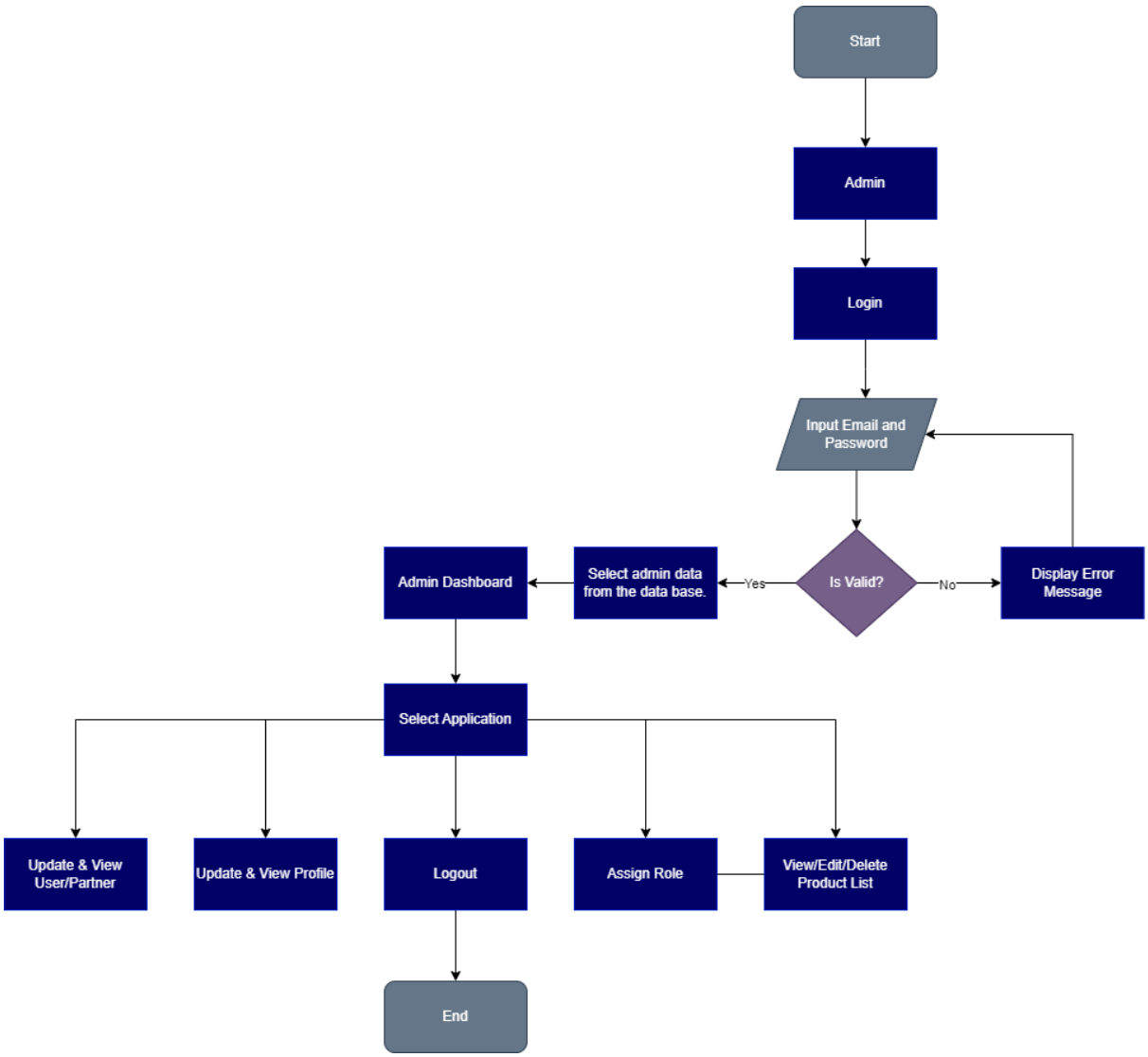
these test instances are used to verify that the system restricts movements and permissions when important to protect information. safety checks instances frequently focus on authentication and encryption and frequently use security-primarily based tests, including penetration testing. the safety crew is chargeable for writing these take a look at instances -- if one exists inside the company.

Test Scenario	Test Objective	Risk	Technique	Expected Result
TS036	Identify if registered user can authenticate to the website	Upon attempting to authenticate, user is not authenticated.	Security Testing	The user will be able to log in to the portal.
TS037	User cannot access administrator page, anonymous users cannot access the page, and	Authorization does not work, causing users to have access to the website.		The system provides authentication which depending on role assigned to users, they will be

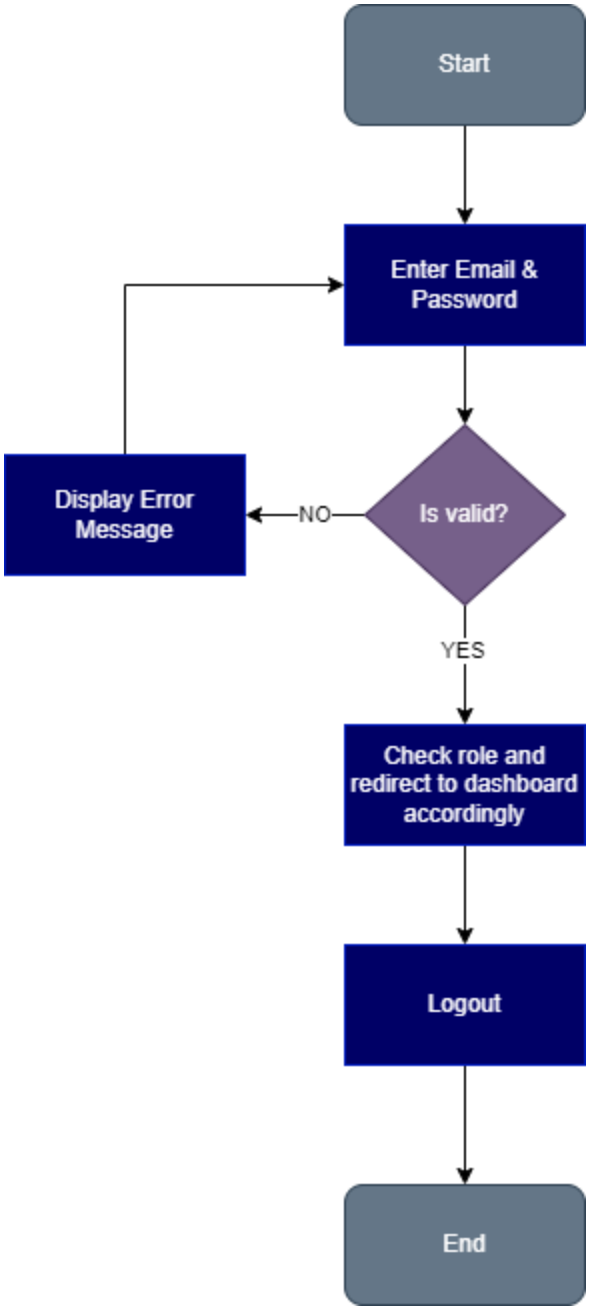
	administrators can access all page.			authorized to access certain pages.

10) Flow Chart

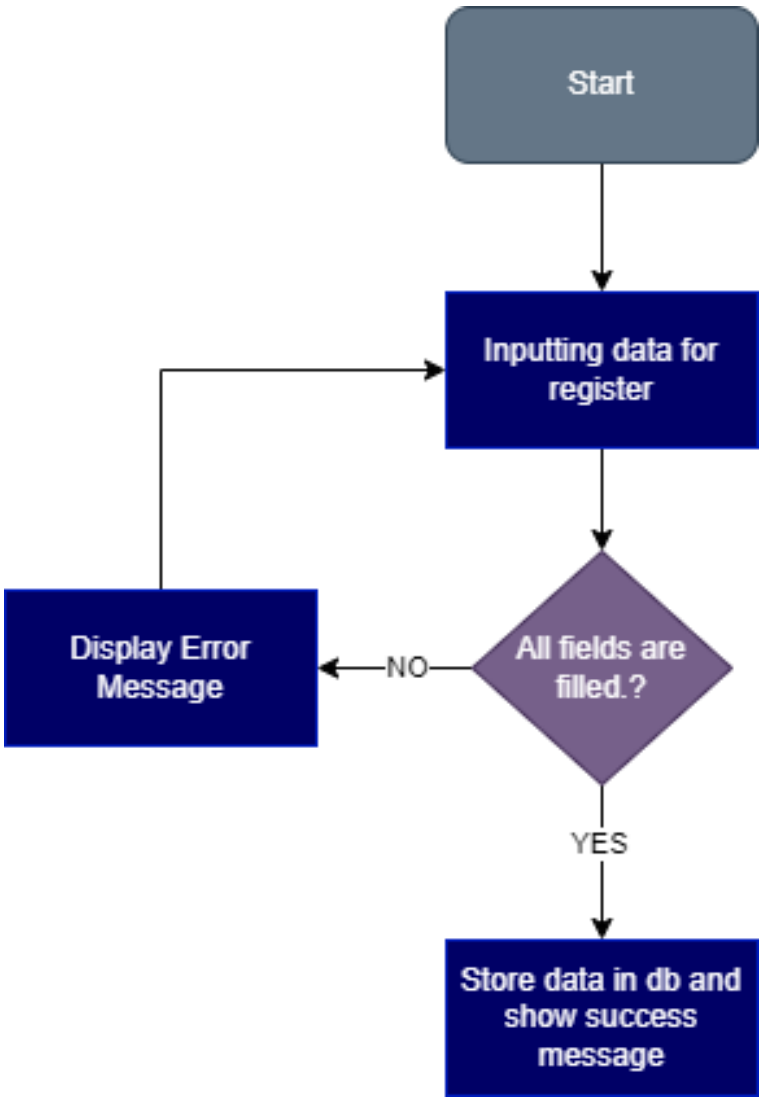
➢ Admin



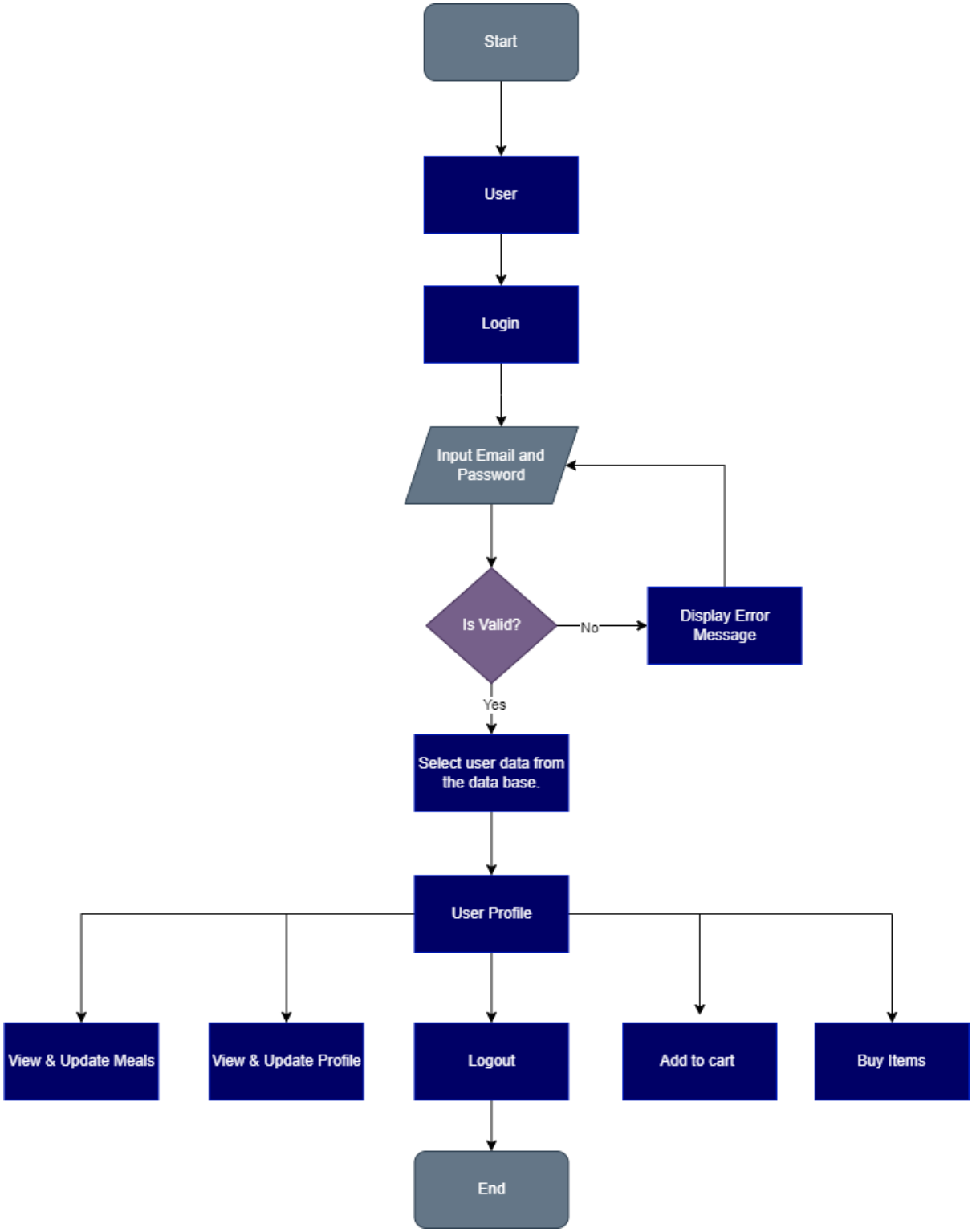
- **Login**


Start
Enter Email & Password
Is valid?
NO
Display Error Message
YES
Check role and redirect to dashboard accordingly
Logout
End

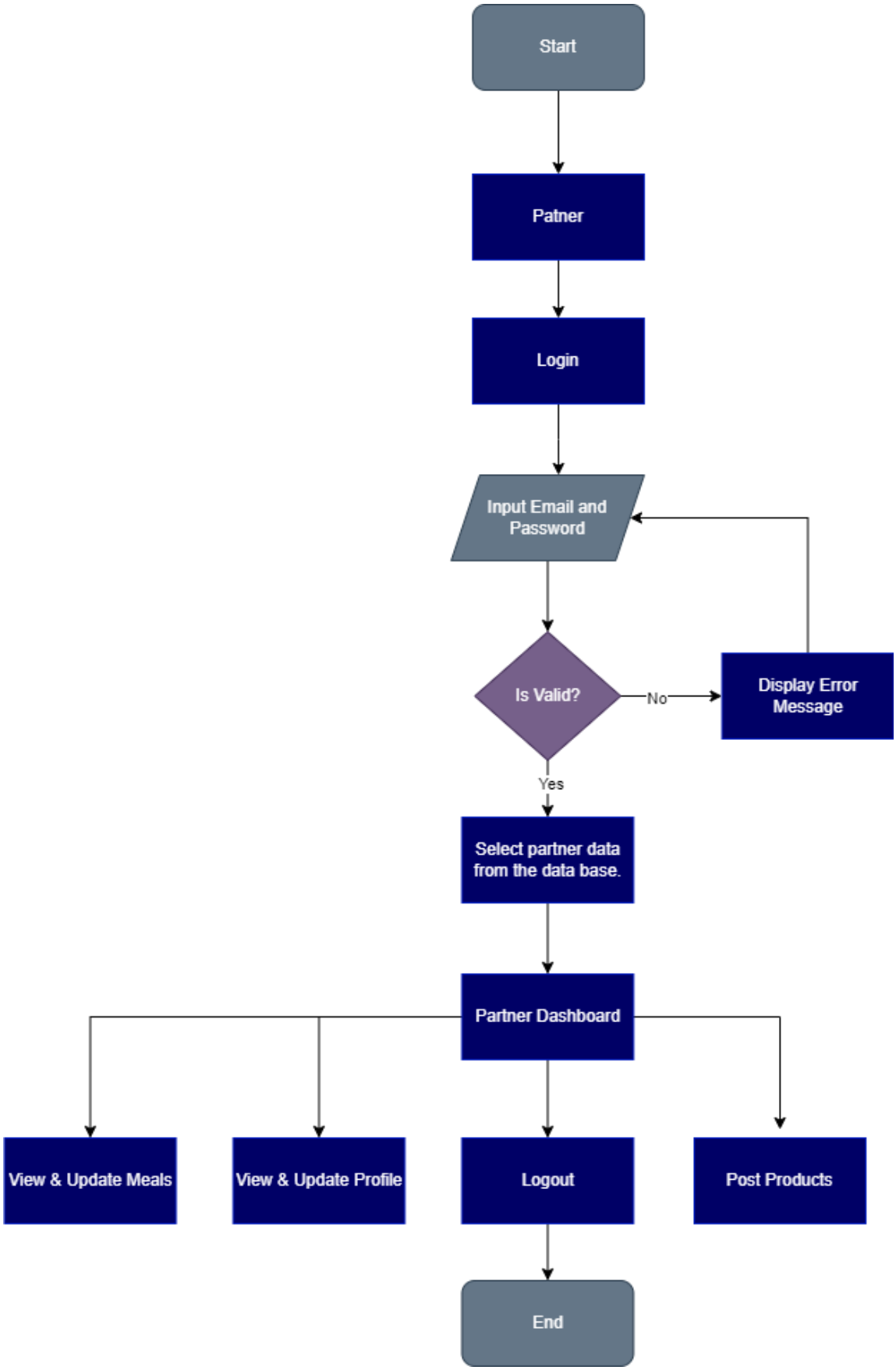
- **Registration**



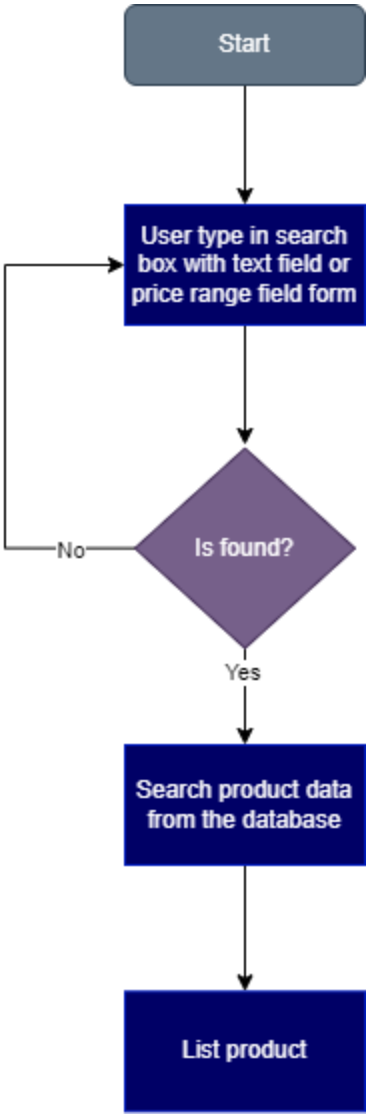
➢ User


Start
User
Login
Input Email and Password
Is Valid?
No
Display Error Message
Yes
Select user data from the data base.
User Profile
View & Update Meals
View & Update Profile
Logout
Add to cart
Buy Items
End

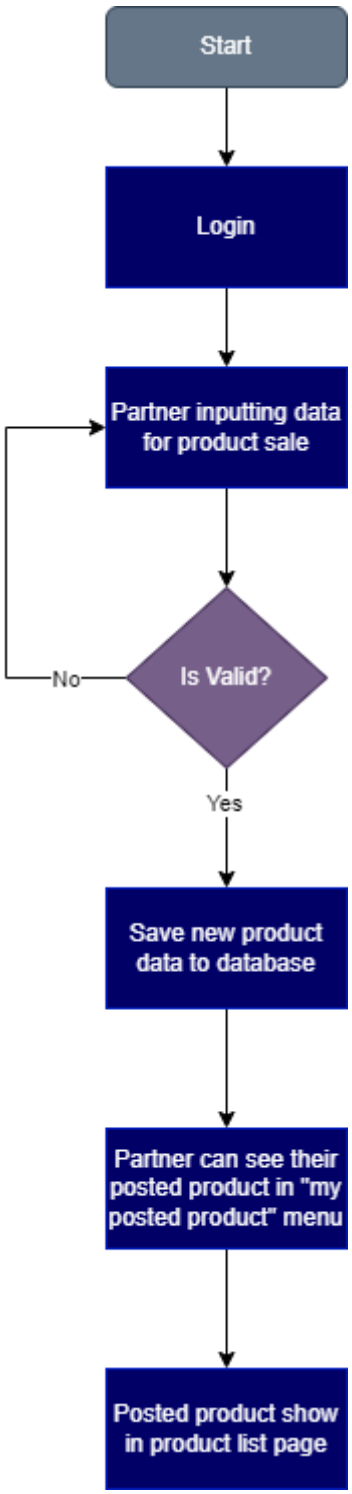
- **Partner**


Start
Patner
Login
Input Email and Password
Is Valid?
No
Display Error Message
Yes
Select partner data from the data base.
Partner Dashboard
View & Update Meals
View & Update Profile
Logout
Post Products
End

➢ Search Products

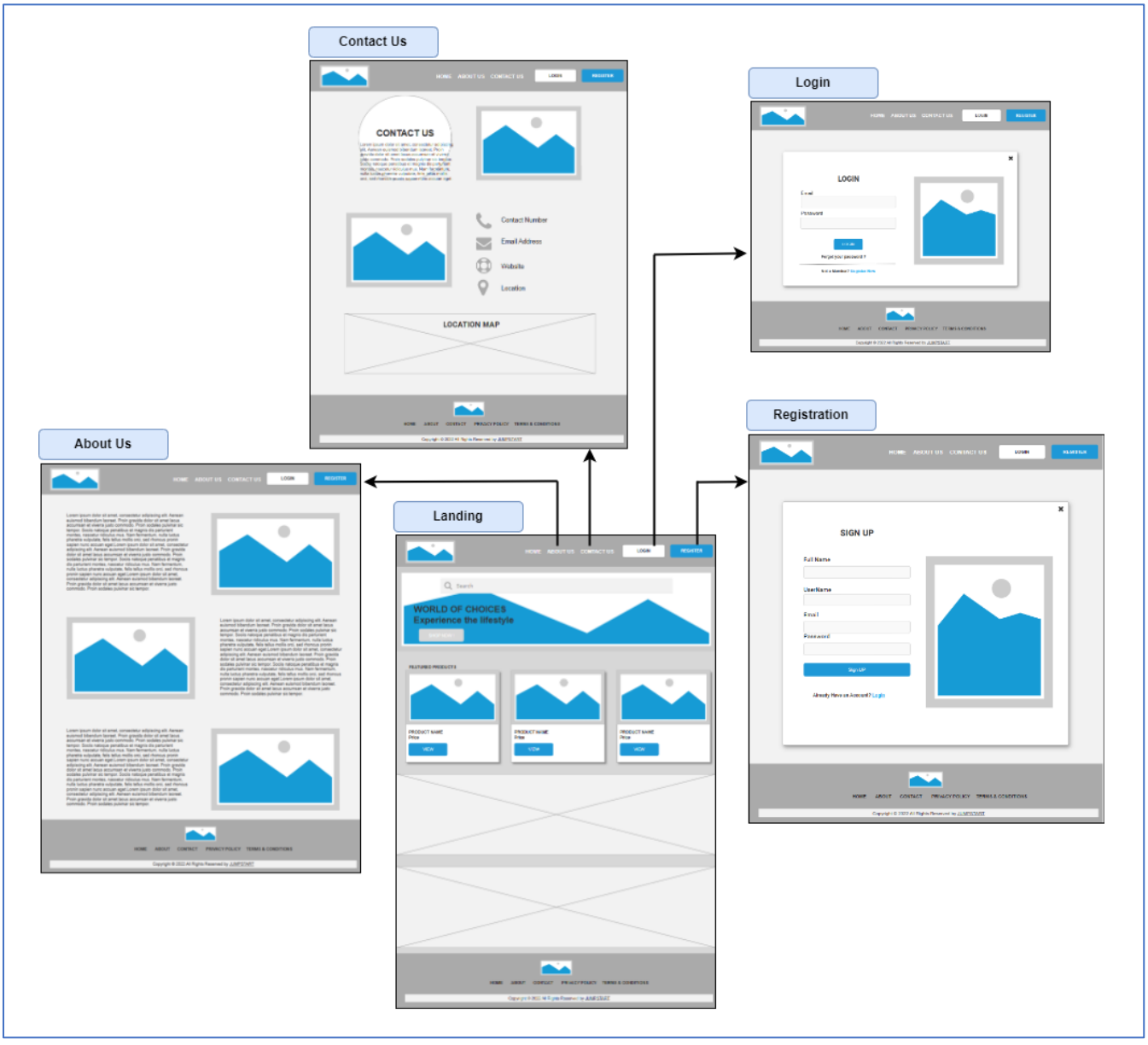


➢ Post Products

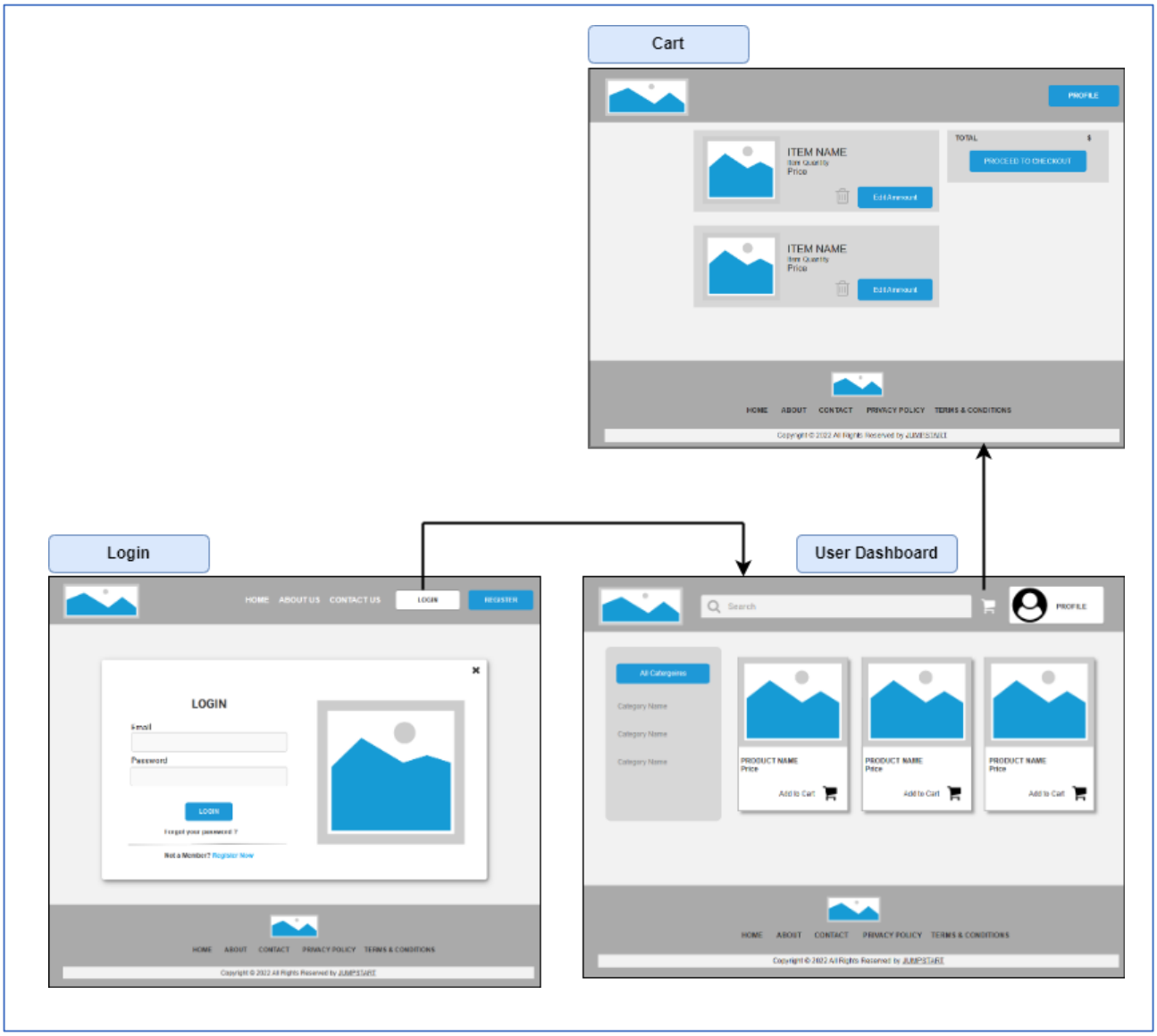


11) Story board

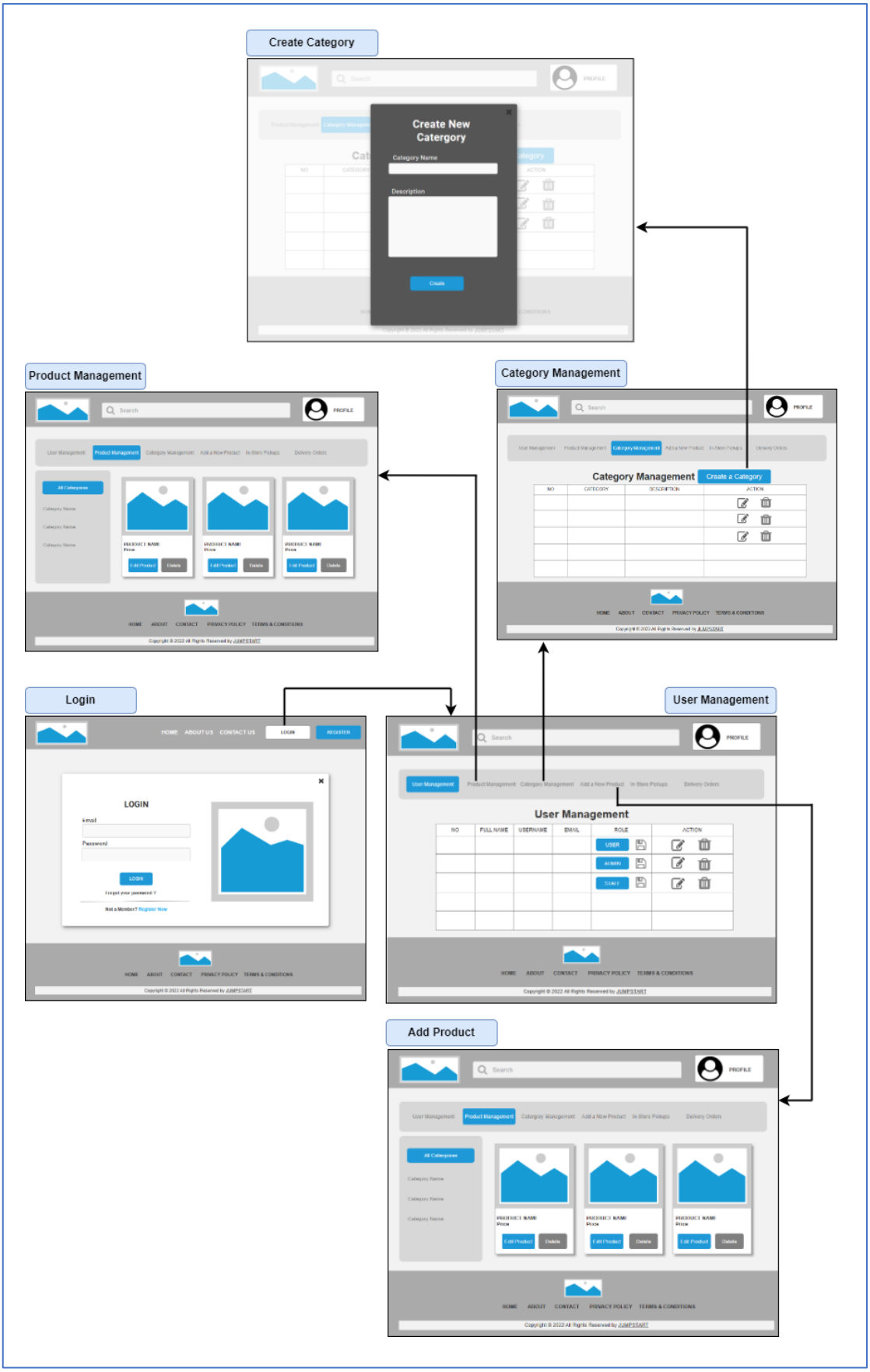
➢ Landing



➢ User Login & Activity



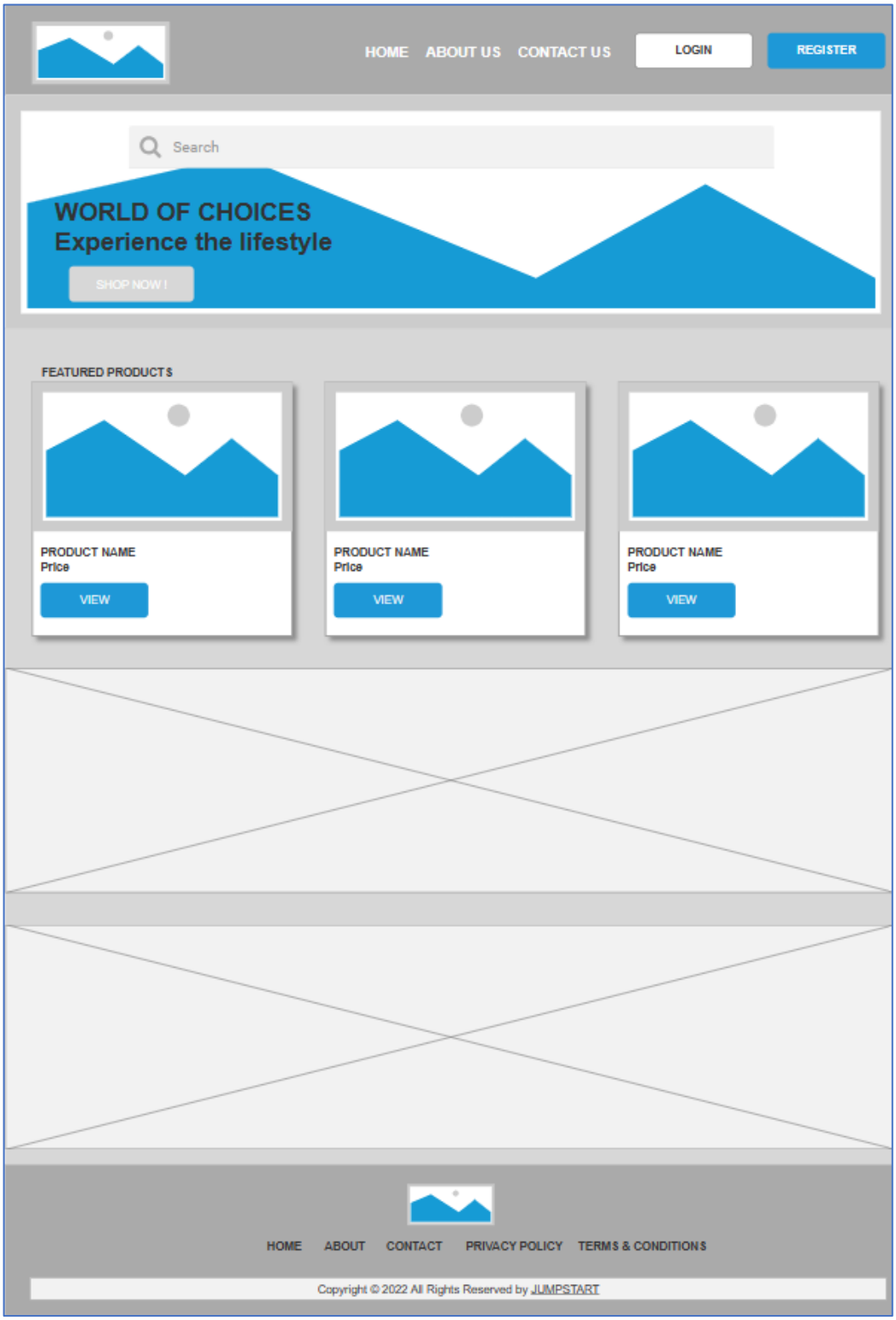
➢ Admin Login and Activities



➢ Staff Login & Activities

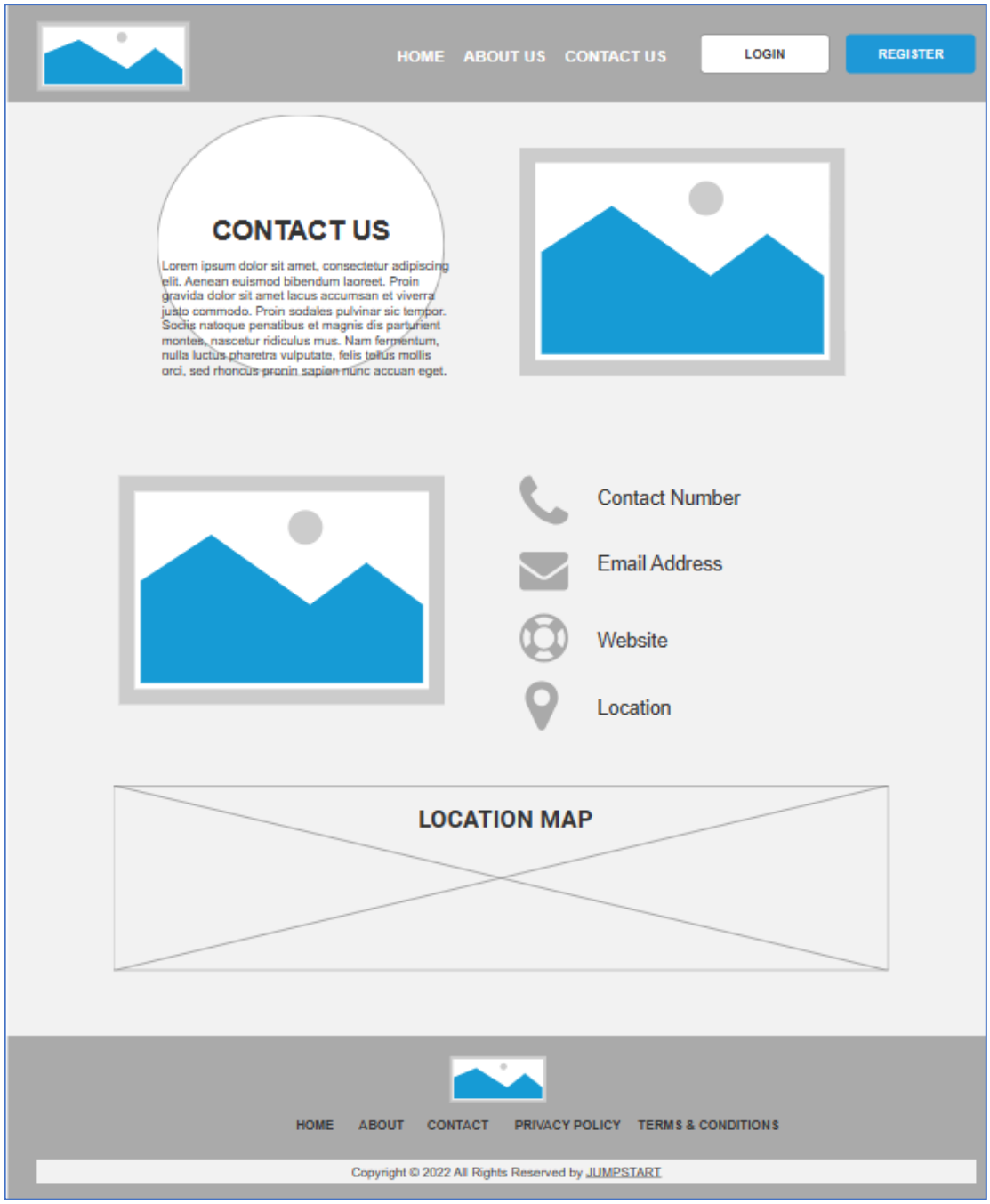
12) Wireframes

✓ Landing Page

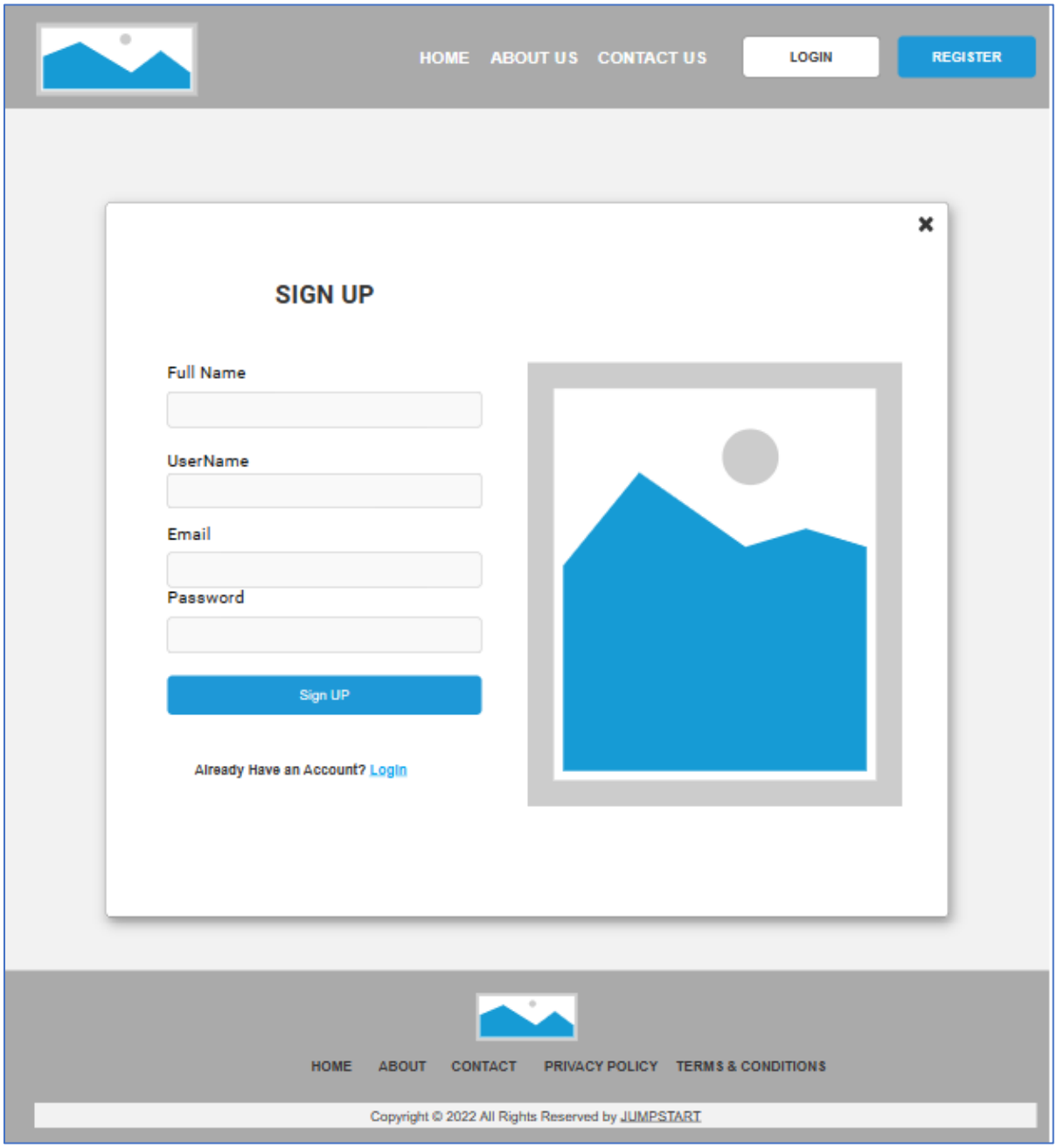


✓ About Us Page

✓ Contact Us Page

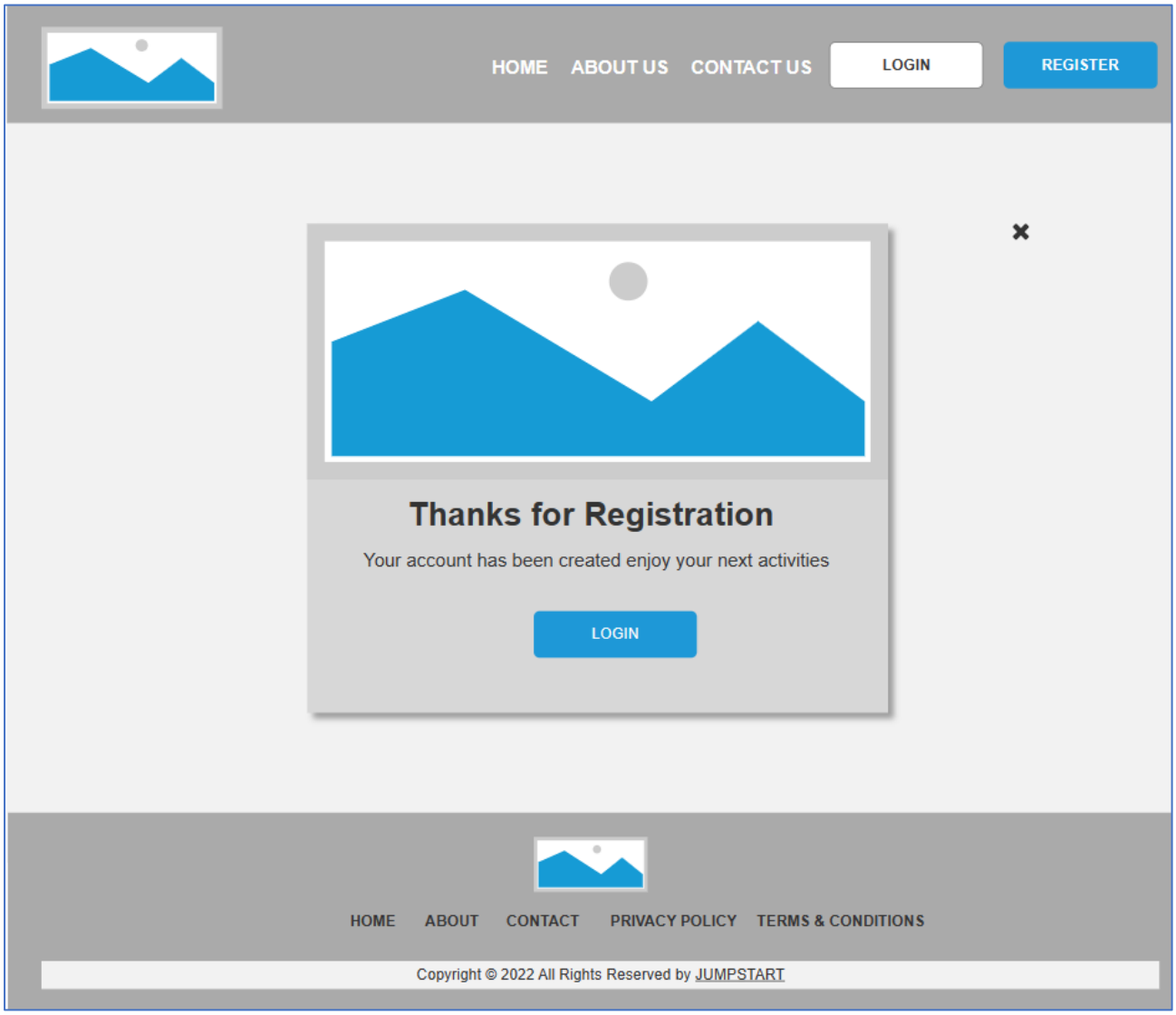


✓ **Registration**

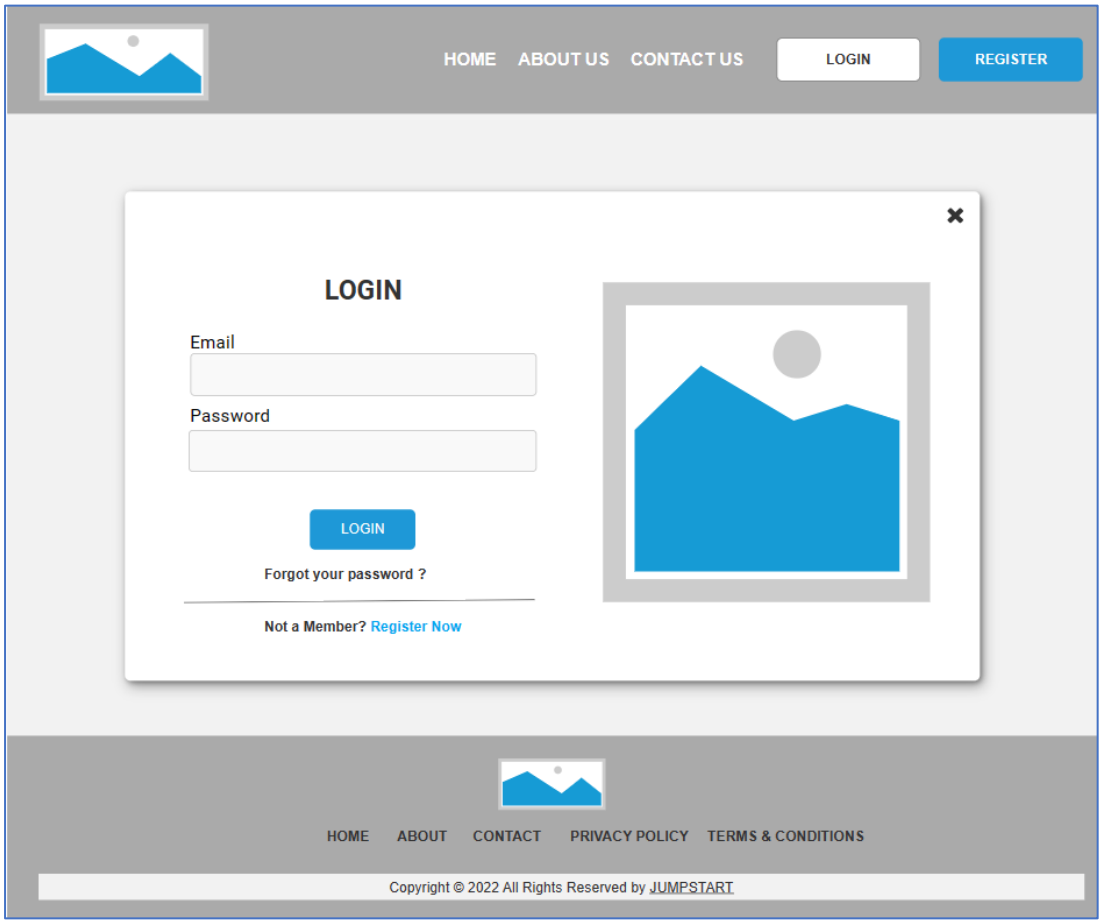


✓ **Registration Verification**

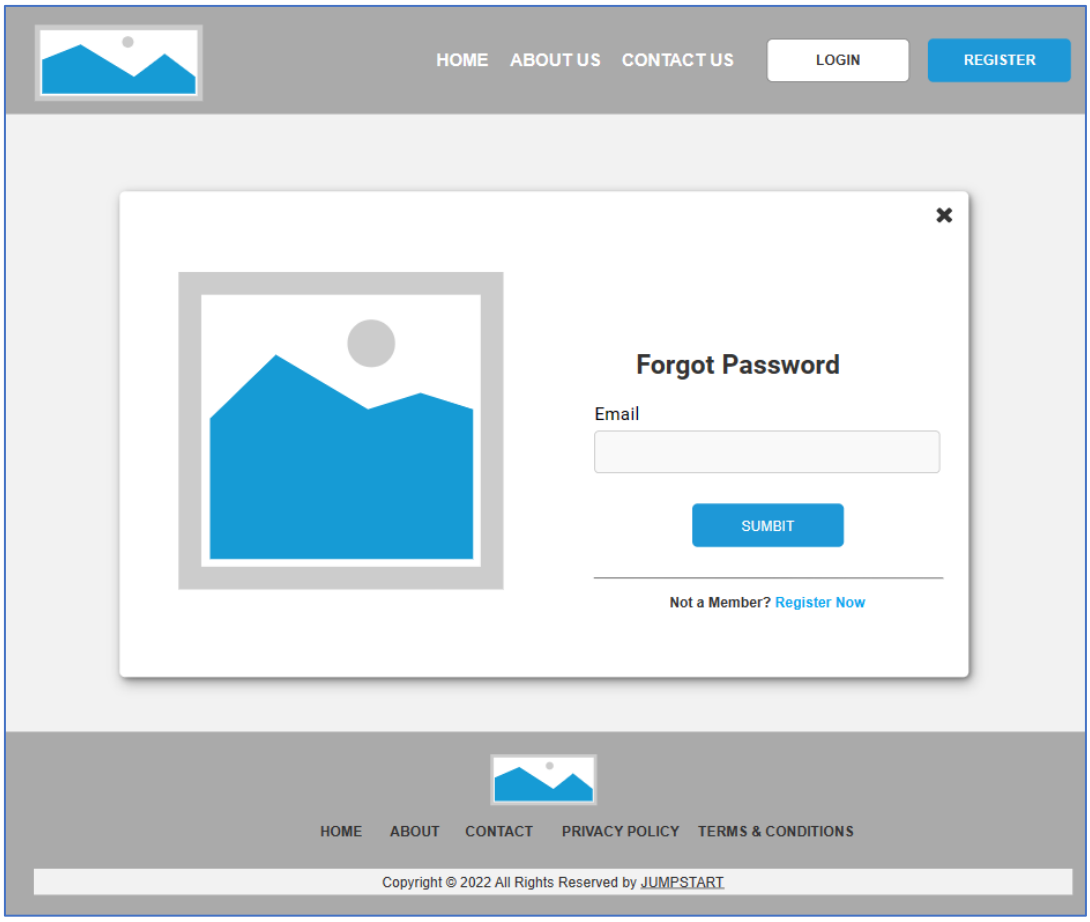
✓ **Registration Success**



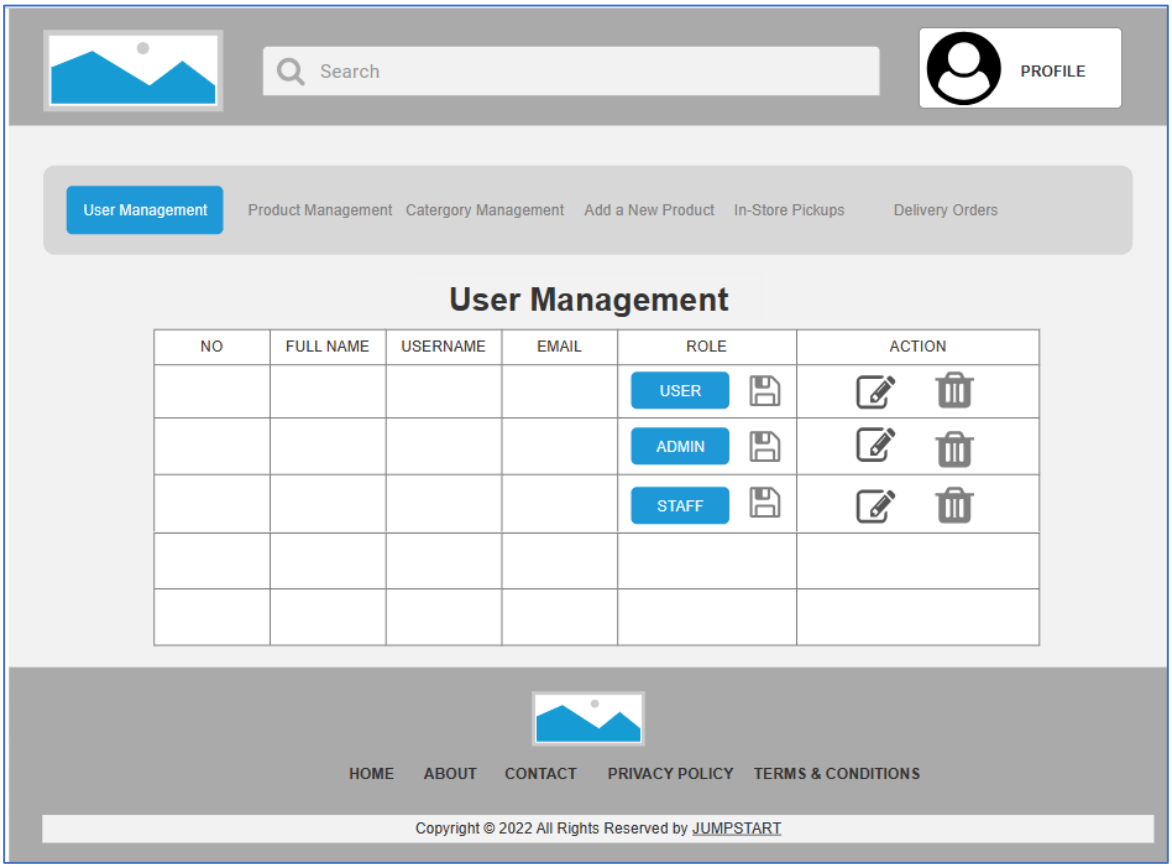
✓ Login



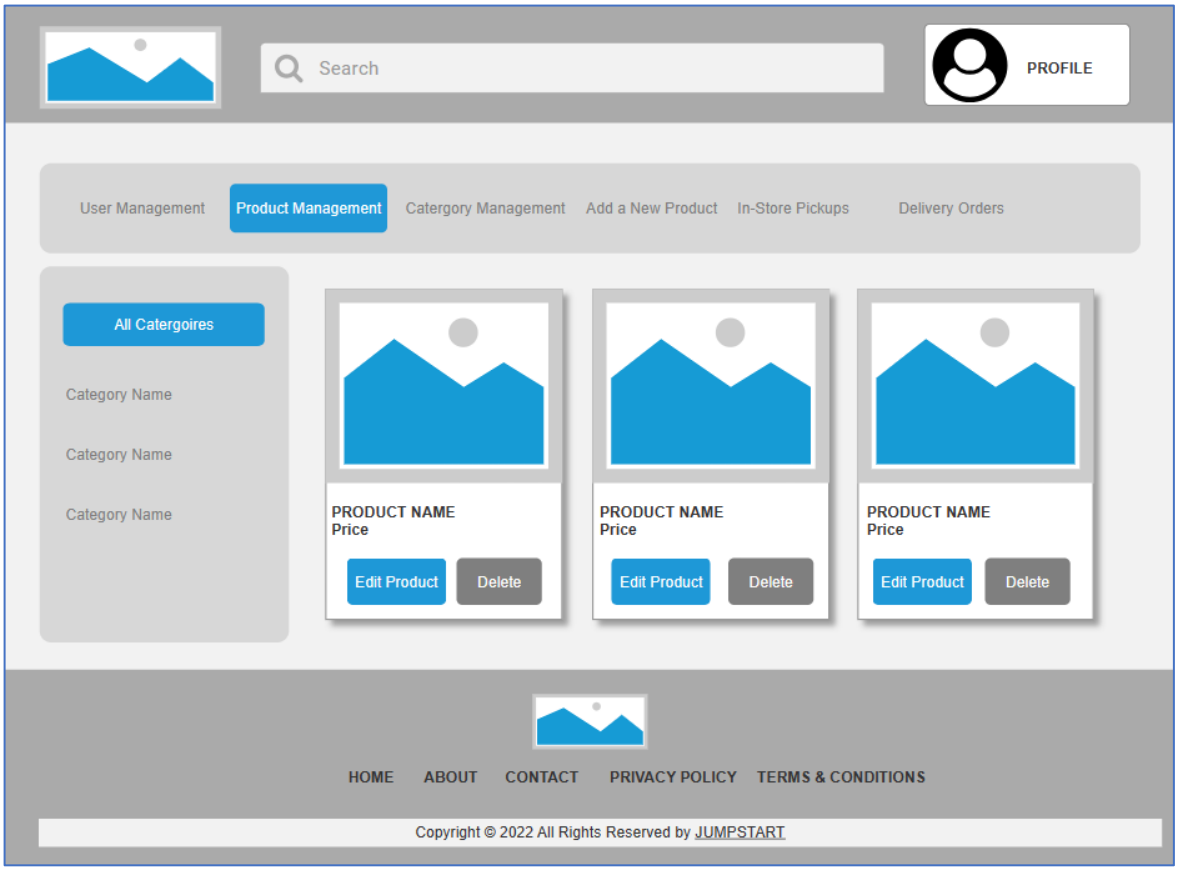
✓ Forgot Password



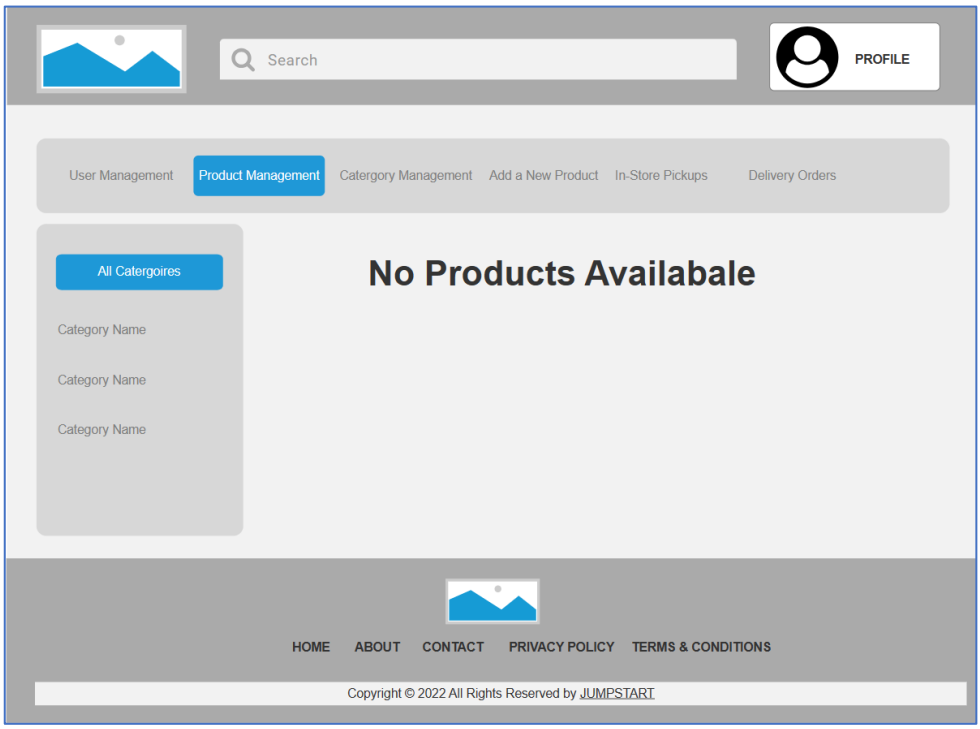
✓ **Admin - User Management**



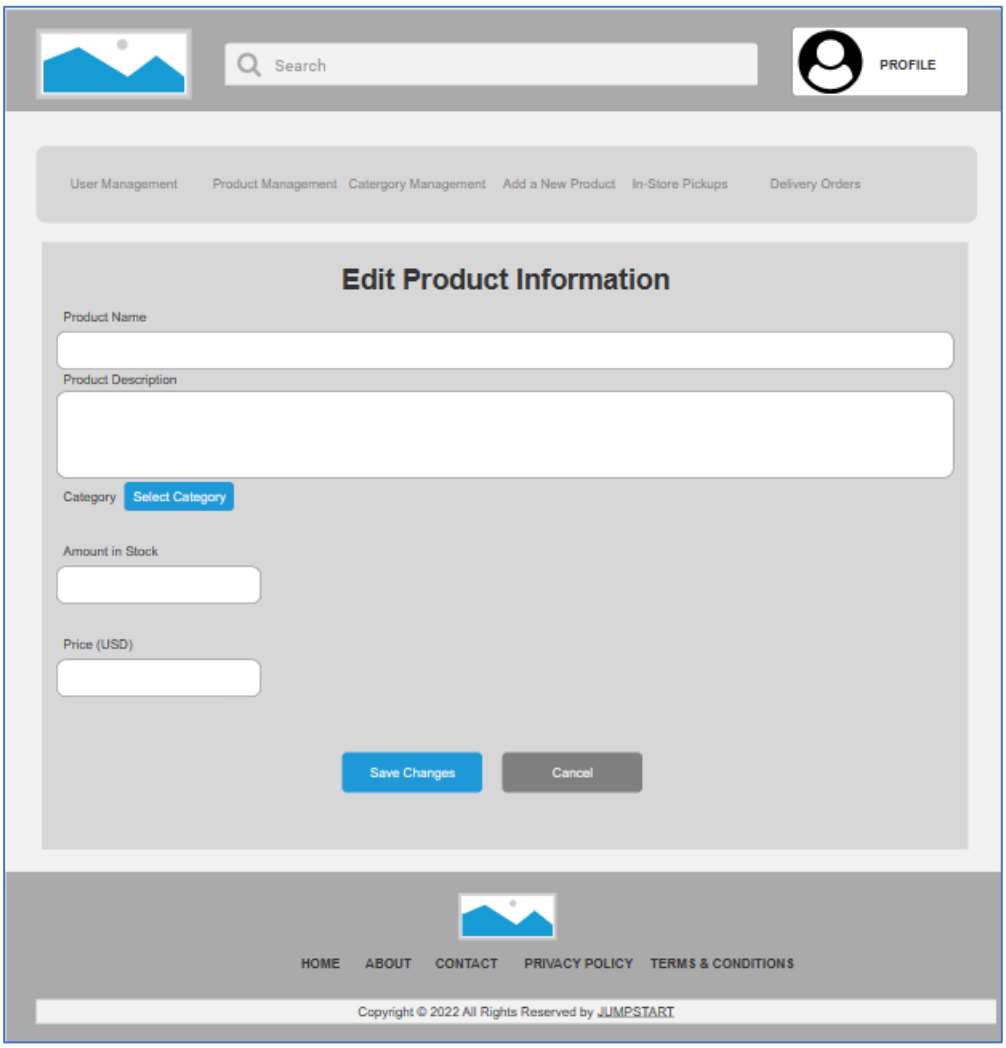
✓ **Admin - Product Management - After Add**



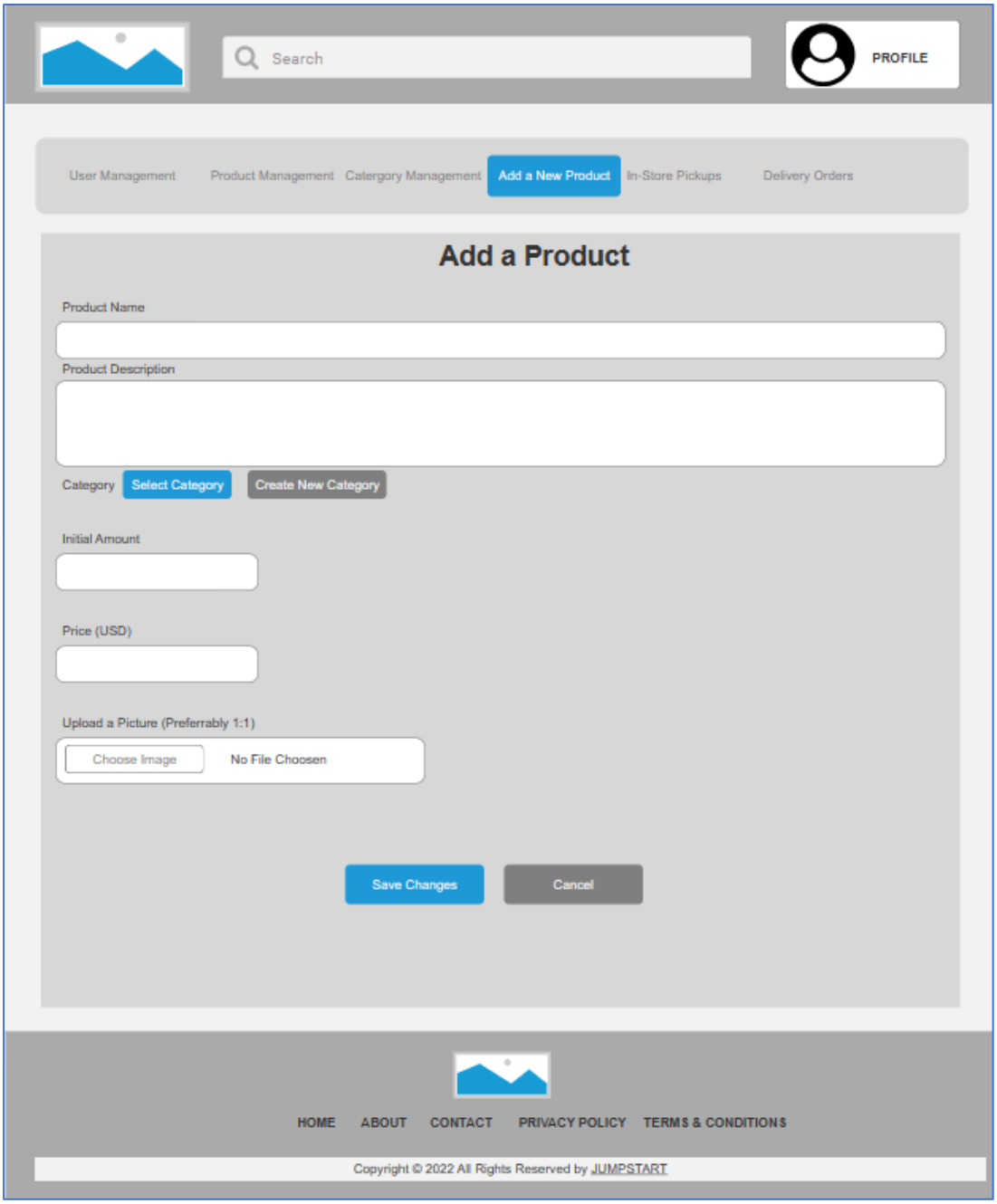
✓ Admin - Product Management - Before Add



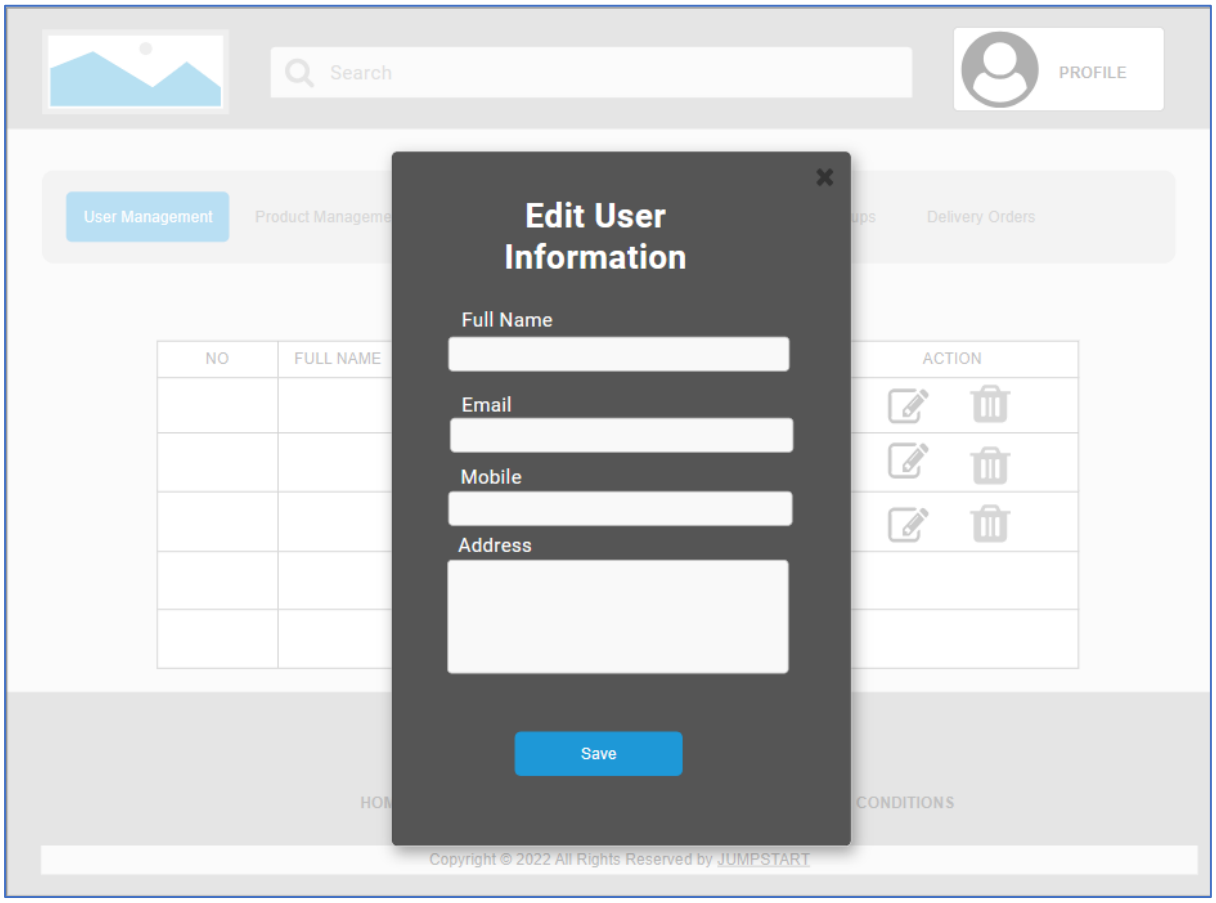
✓ Edit Product Information



✓ Add Product Form

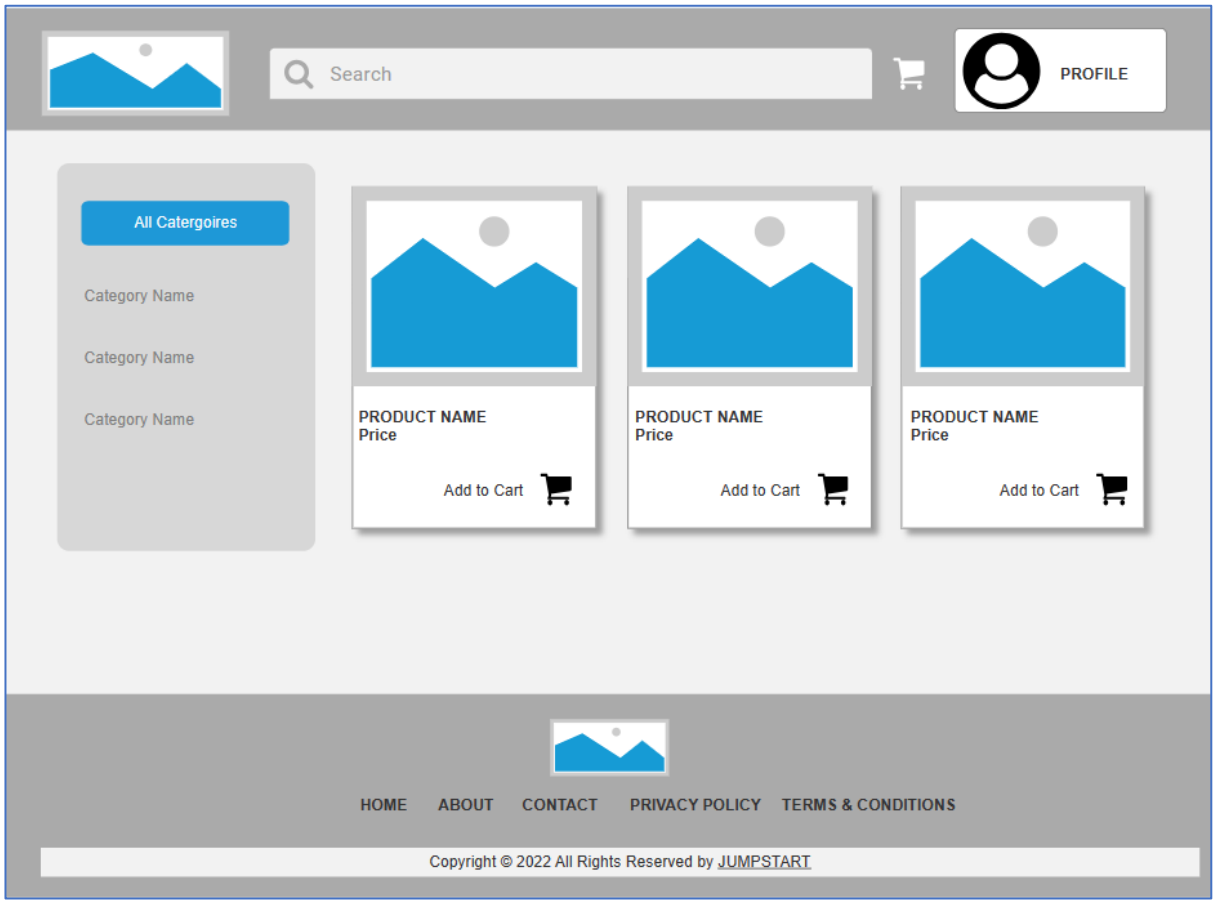


✓ **Admin - Edit User**

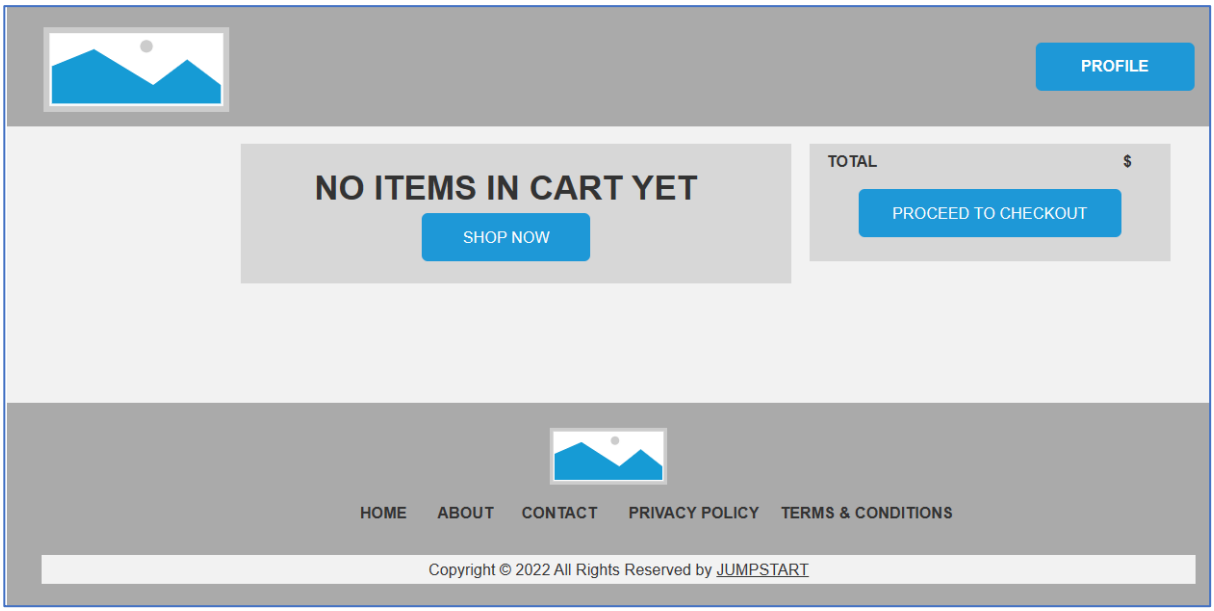


✓ **Admin Profile View**

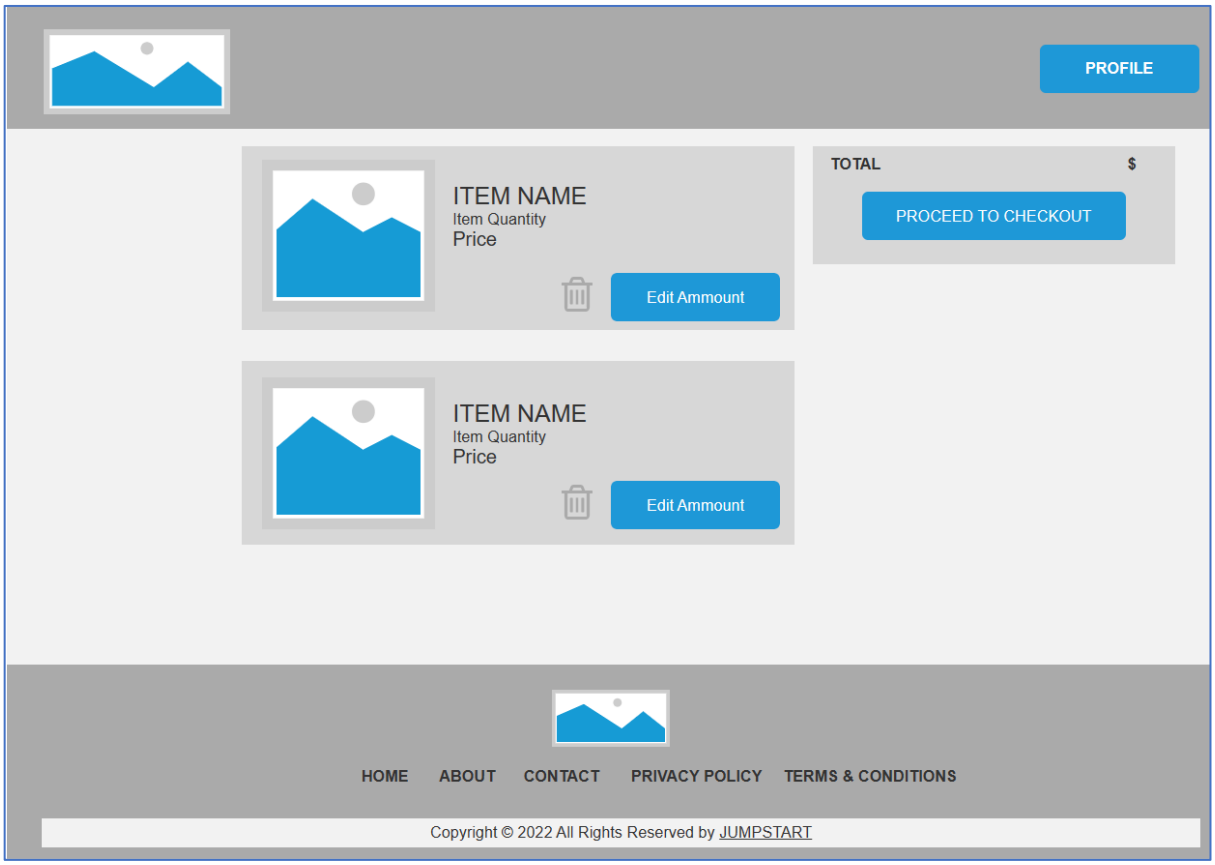
✓ User Dashboard



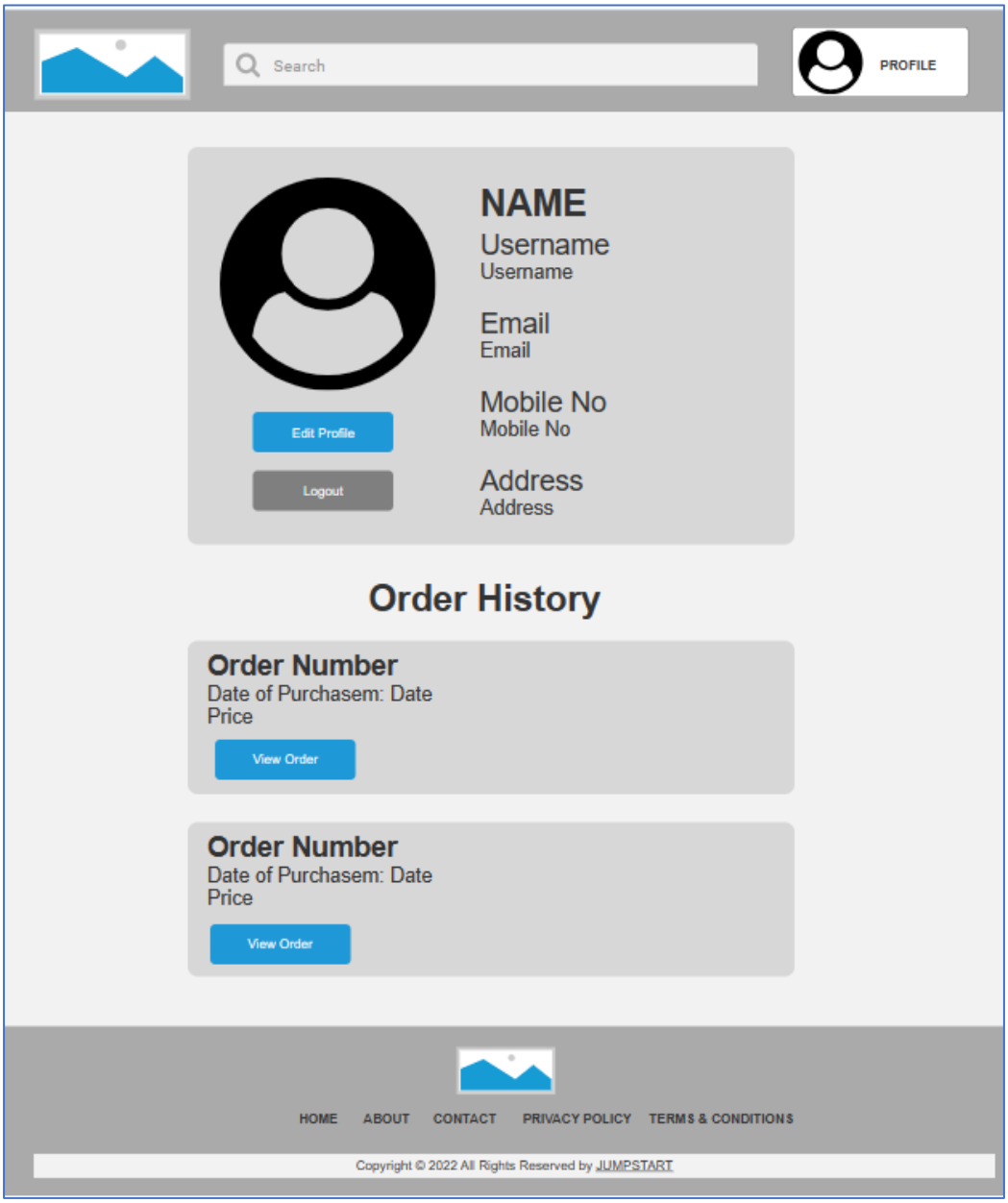
✓ Cart Before add Items



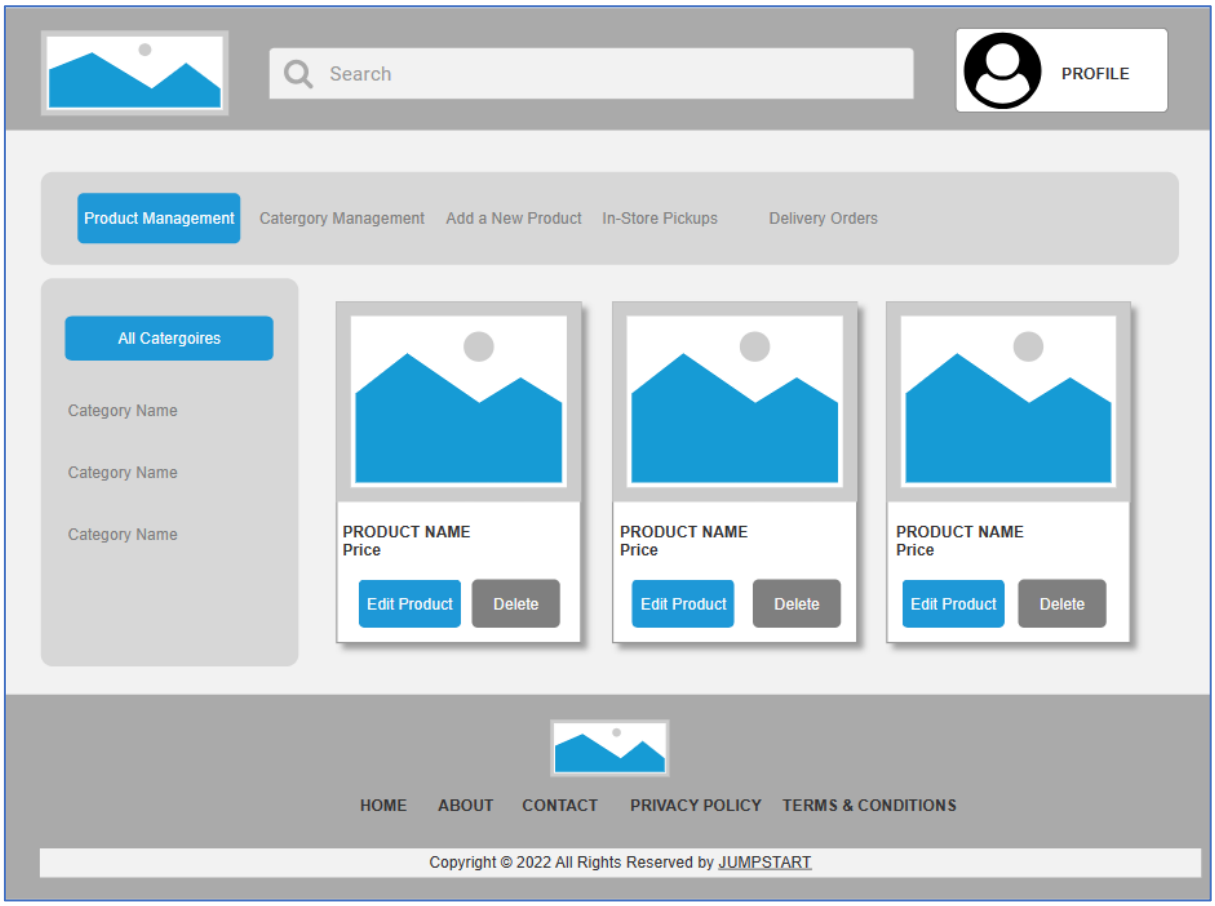
✓ Cart After Add Items



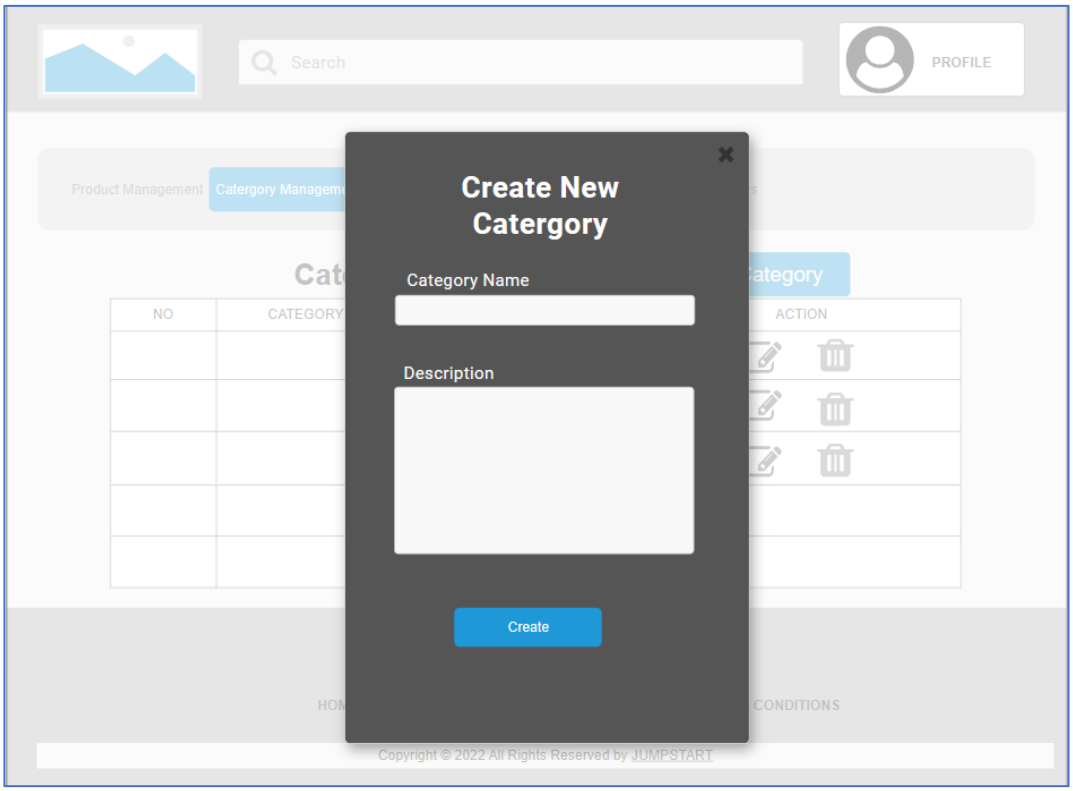
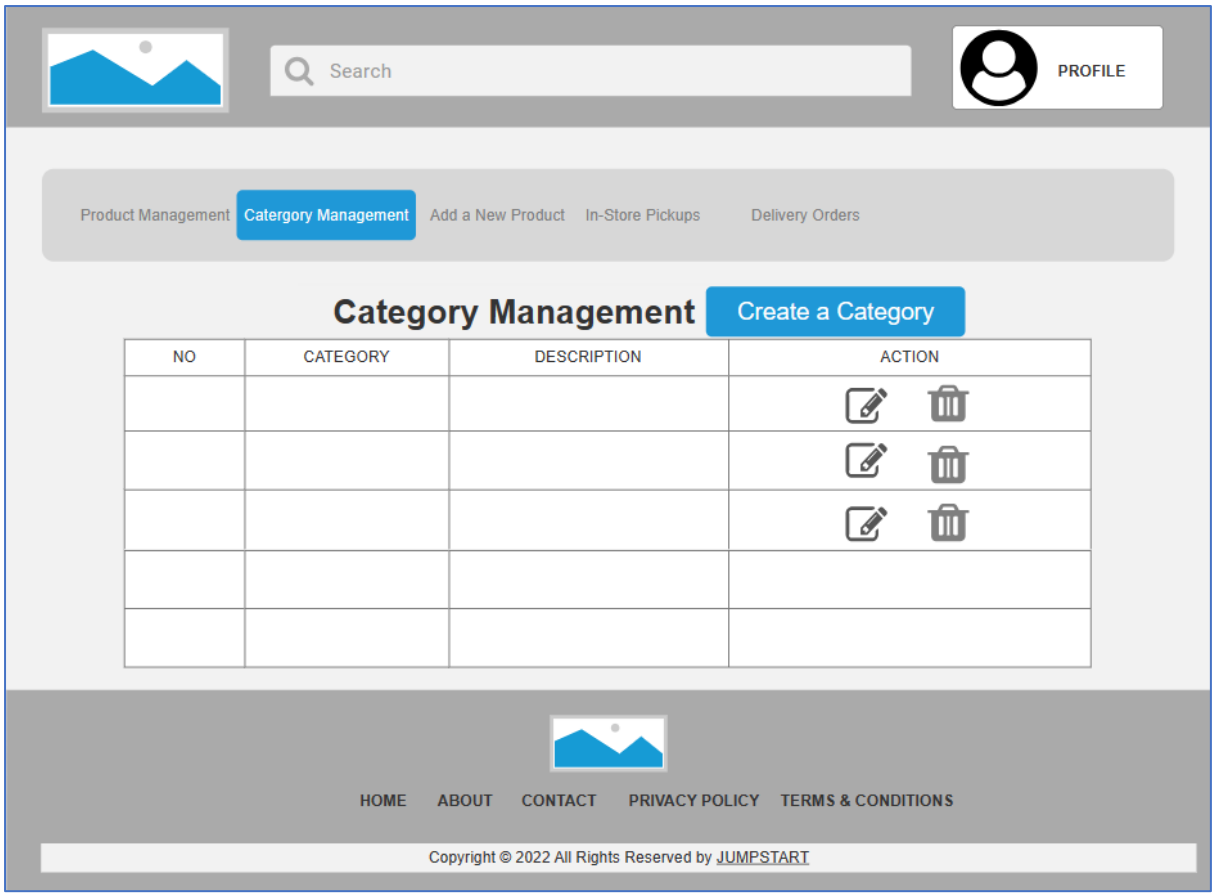
✓ **User Profile and Order History**



✓ Staff Dashboard – Product Management



✓ Staff Create Product Category Form



✓ Staff -Category Management