Software Requirements Specification

for

GrowTouch Platform

Written by: Angham Mohammad Bani Younes

Grow Touch

Author: Angham Mohammad Bani Younes
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1. Introduction

This section gives a scope description and overview of everything included in this SRS document. In addition, the purpose for this document is described and a list of abbreviations and definitions is provided.

1.1 Purpose

The purpose of this document is to create a website that helps the user (provider) sell his products to help him earn more, and help the user (receiver) to get his order in an easy way and good quality

1.2 Scope

"Grow Touch" website mainly consists of a website that helps providers to sell their products and help customers get products and know-how to care for their plants via a digital platform. Users can access the platform anytime, anywhere.

The application scope will serve all the users who care about plants or users who want to sell their plants via the platform.

The main scope is to cover all plants that live in Jordan and we can care about it in our houses like Zamioculcas and Delta Lights.

The business requirement will be represented in the following deliverable:

- The Website for selling plants by providers put their products in our platform to help customers to get their products.

NOTE: This is a live document. it will keep growing during the project lifetime.

1.3 Our Mission

Helping plants enthusiasts to get plants that they need on their own in an easy way and high-quality products and we provide them the tips about how to care for their plants.

1.4 Our vision

Grow Touch is not limited to Jordan, it will expand to cover all the world to add an impression to those who love plants.

1.5 Definitions, acronyms, and abbreviation

SRS *: Software Requirement Specifications.*
Provider: *a person that provides the products for customer "receiver".*
Receiver: *a person who gets products that have been provided to them by a provider.*
FR*: Functional Requirements.*
NF: *Non-Functional Requirements.*
VPN*: virtual private network.*
ER Diagram: *Entity Relationship Diagram.*

1.6 Overview of the Document

The remainder section of this SRS document provides the System Planning. Overall Description Specific Requirements, wireframe (User Interface Design), Use Case Diagram, Business Model canvas, and the Data Model provides entity-relationship diagrams. and Specific Requirements consist of Functional Requirements. Non-Functional Requirements.

2. Overall Description

2.1 Product Functions

here will be two different users who can use the product in a different way:

a) *Admin*

- Admin can add, update, and delete categories, subcategories, products, comments, and questions in the website.

b) *User Provider*

- can add, update, and delete categories, subcategories, products, orders, users, comments, and questions in the website.
- The user can search the availability of categories, subcategories, or products.
- The user can approve or reject any request order from the user receiver.
- The user can edit his/her account.

c) *User Receiver*

- *The user can search the availability of categories, subcategories, or products.*
- *The user can send any request order to the user provider.*
- *The user can rate the user provider.*
- *The user can edit his/her accounts.*

2.2 General Constraints

Implementation constraints: implementation of application should be in Laravel.

3. Specific Requirements

3.1 Functional Requirements

3.1.1 Users

3.1.1.1 Functional Requirements 1.1

Title : Logging in.
Id: FR1.
Description: The System shall verify valid Email And Password.

3.1.1.2 Functional Requirements 1.2

Title : Logging in.
Id: FR2.
Description: The System shall not allow entering invalid Email And Password.

3.1.1.3 Functional Requirements 1.3

Title : Logging in.
Id: FR3.
Description: The System shall allow users to enter with a valid Email And Password.

3.1.1.4 Functional Requirements 1.4

Title : Search.
Id: FR4
Description: The system shall display the search results with the details of the preferred category, subcategory, product.

3.1.1.5 Functional Requirements 1.5

Title :Register.
Id: FR5.
Description: The System shall allow the user to create an account on the website.

3.1.1.6 Functional Requirements 1.6

Title : Manage/View Account.
Id: FR6.
Description: The System shall allow update of their personal information such email address, password.

3.1.1.7 Functional Requirements 1.7

Title :Add Comment.
Id: FR7.
Description: The System shall allow add comments.

3.1.1.8 Functional Requirements 1.8

Title :Rate Product.
Id: FR8.
Description: The System shall allow rate product.

3.1.2 Admin.

3.1.2.1 Functional Requirements 2.1

Title : Admin Access.

Id: FR7.

Description: The system shall verify admin login info to provide access privilege.

3.1.2.2 Functional Requirements 2.2

Title : Add Categories.

Id: FR8.

Description: The system shall allow adding new categories with their details such as category name, description of the category.

3.1.2.3 Functional Requirements 2.3

Title : Update Categories.

Id: FR9.

Description: The system shall allow the update, or edit of categories with their details such as category name, description of the category.

3.1.2.4 Functional Requirements 2.4

Title : Add Subcategories.

Id: FR10.

Description: The system shall allow adding new subcategories with their details such as subcategory name, description of the subcategory.

3.1.2.5 Functional Requirements 2.5

Title : Update Subcategories.

Id: FR11.

Description: The system shall allow the update, or edit of subcategories with their details such as subcategory name, description of the subcategory.

3.1.2.6 Functional Requirements 2.6

Title : Add products.

Id: FR12.

Description: The system shall allow adding new products with their details such as product name, description of the product.

3.1.2.7 Functional Requirements 2.7

Title : Update products.

Id: FR13.

Description: The system shall allow the update, or edit of products with their details such as product name, description of the product.

3.2 Non-Functional Requirements

3.2.1 Non- Functional Requirements

Title : Performance Requirements.
Id: NF1.
Description: The database should be updated within 3 - 1 second.

3.2.2 Non- Functional Requirements

Title : Performance Requirements.
Id: NF2.
Description: Search results should be displayed within 3 - 1 second.

3.2.3 Non- Functional Requirements

Title : Performance Requirements.
Id: NF3.
Description: User Interface shall not take more than 3 seconds to load.

3.2.4 Non- Functional Requirements

Title : Performance Requirements.
Id: NF4.
Description: Login should be validated within 2 seconds.

3.2.5 Non- Functional Requirements

Title : Security Requirements.
Id: NF5.
Description: Every external communication between the data server and end-user takes place through a VPN.

3.2.6 Non- Functional Requirements

Title: Safety Requirements.
Id: NF6.
Description: In the event of failure. there should be another data server on standby to provide fault tolerance capability.

3.2.7 Non- Functional Requirements

Title: Capacity Requirements
Id: NF7.
Description: Not more than 10,000 members to be registered.

3.3 User Interface Requirement

The UI is loaded from the server to any web browser. Therefore, our UI is compatible with any browser s as Mozilla Firefox, Google Chrome, and Safari. Internet Explorer etc. It also provides responsive des so it can be viewed or operated from the Mobile Browsers as well .

3.4 Communications Interfaces

We will be using HTTPS/HTTP protocol for the communication over the server.

3.5 Test Case

1. Admin Test:

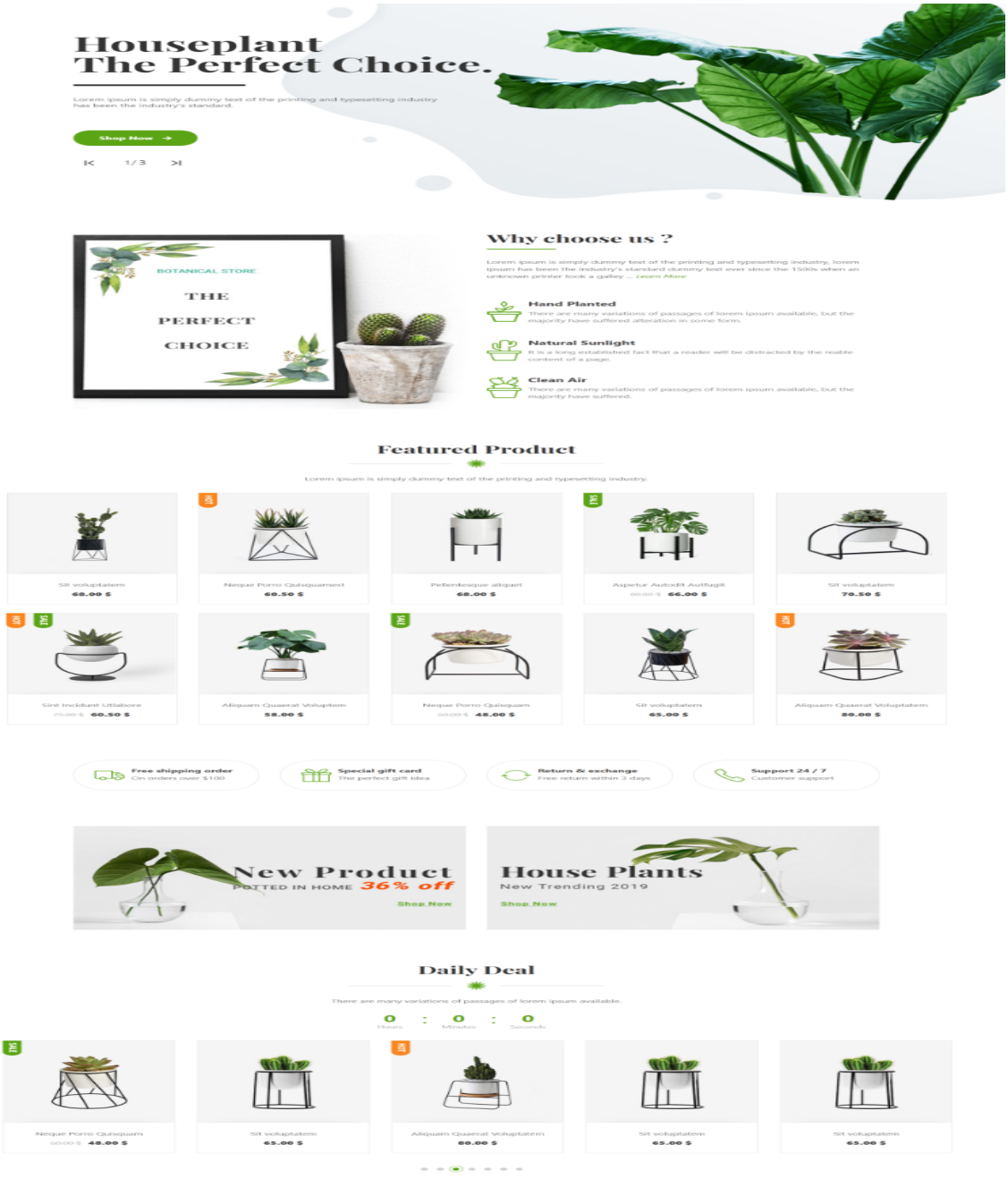
   A. Create the admin and then try to log in with the email and password that entered it.
   B. Trying to log in with an email that is not in the database.
   C. An attempt to email in the database, but the password is wrong
   D. Entry with correct information and a full validity test.

2. User test:
   A. Enter the email and password for one of the users.
   B. Enter email wrong and password is correct
   C. Wrong information entry
   D. Log in with correct information and test its validity.

3. Dashboard test:
   A. When creating all of the admin, category, subcategory, and product.
   B. Try to enter a password less than 8 and enter an email with the wrong caption.
   C. Try to create a new Admin, Category, Subcategory, and Product with invalid data.

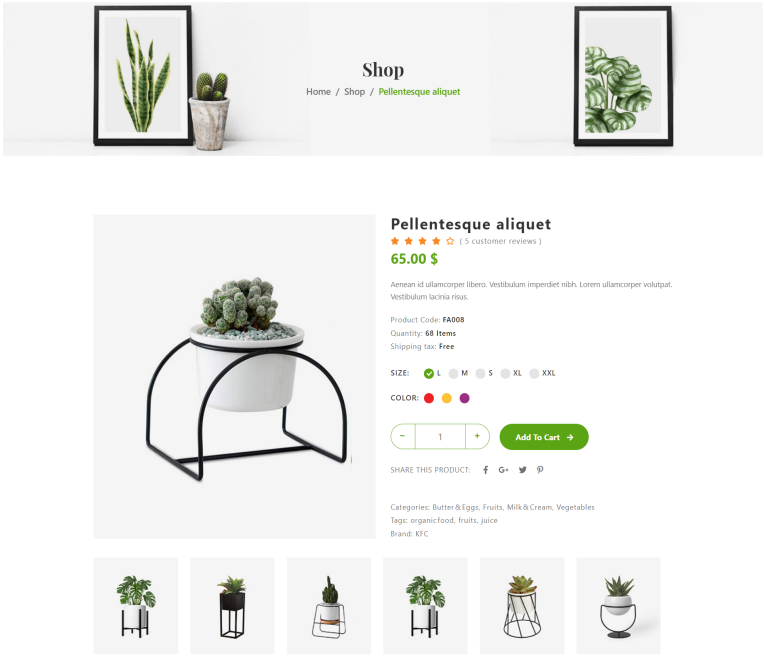
3.6 Some interfaces of project

1. *Landing Page*
   On the landing page, the user will show pictures that will appear as a slider that encourages him to get him/his order and we have a section that has many products from all categories that have a discount to encourage him to buy a new plant.



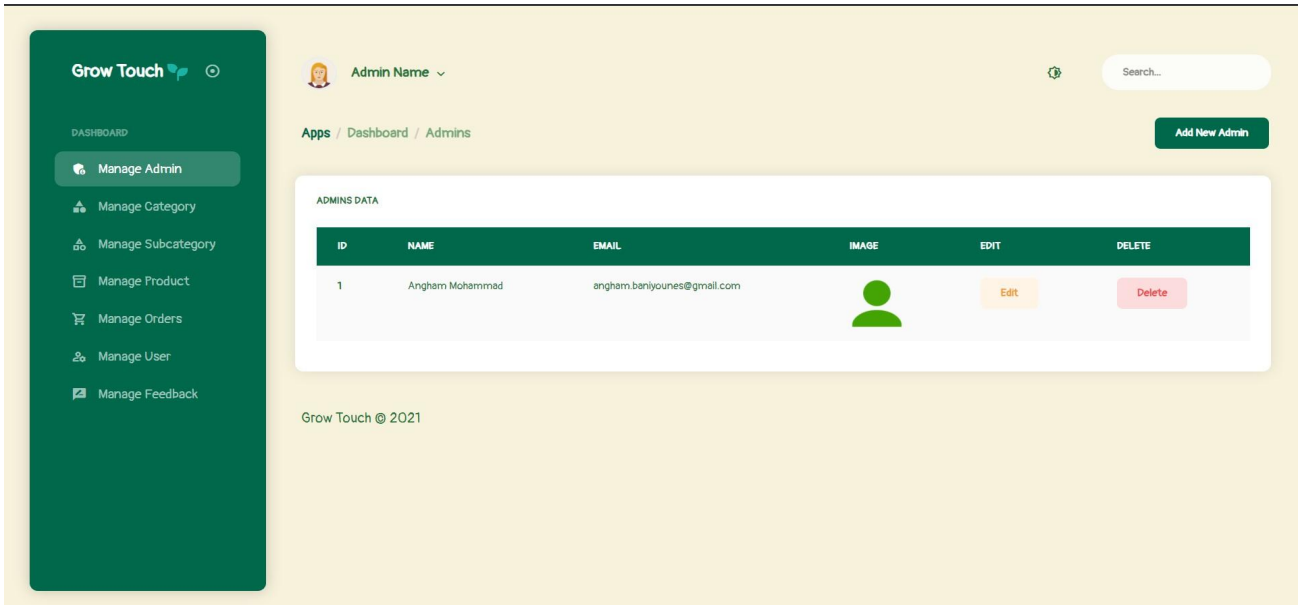
2. Single Product Page

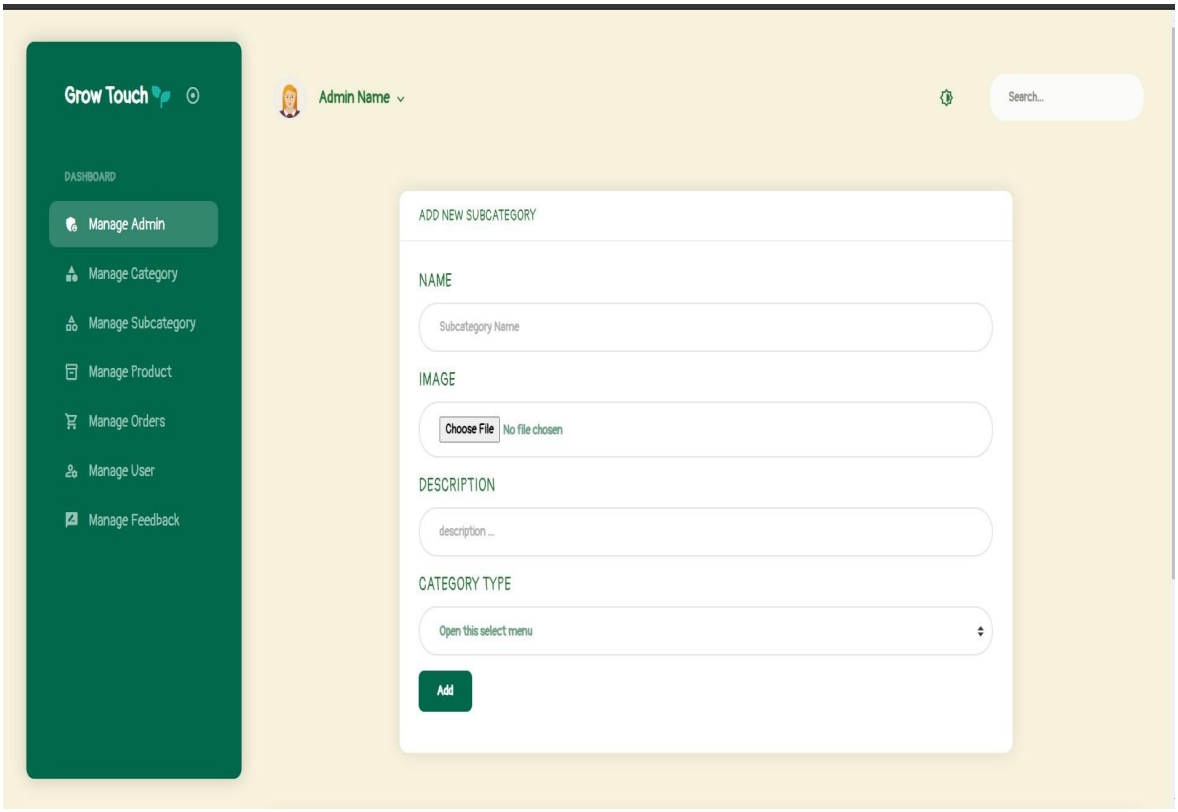
On the Single Product page, the user will show the gallery and main picture for the product and will read the care tips about how he/she can care in this product if he wants to get it.

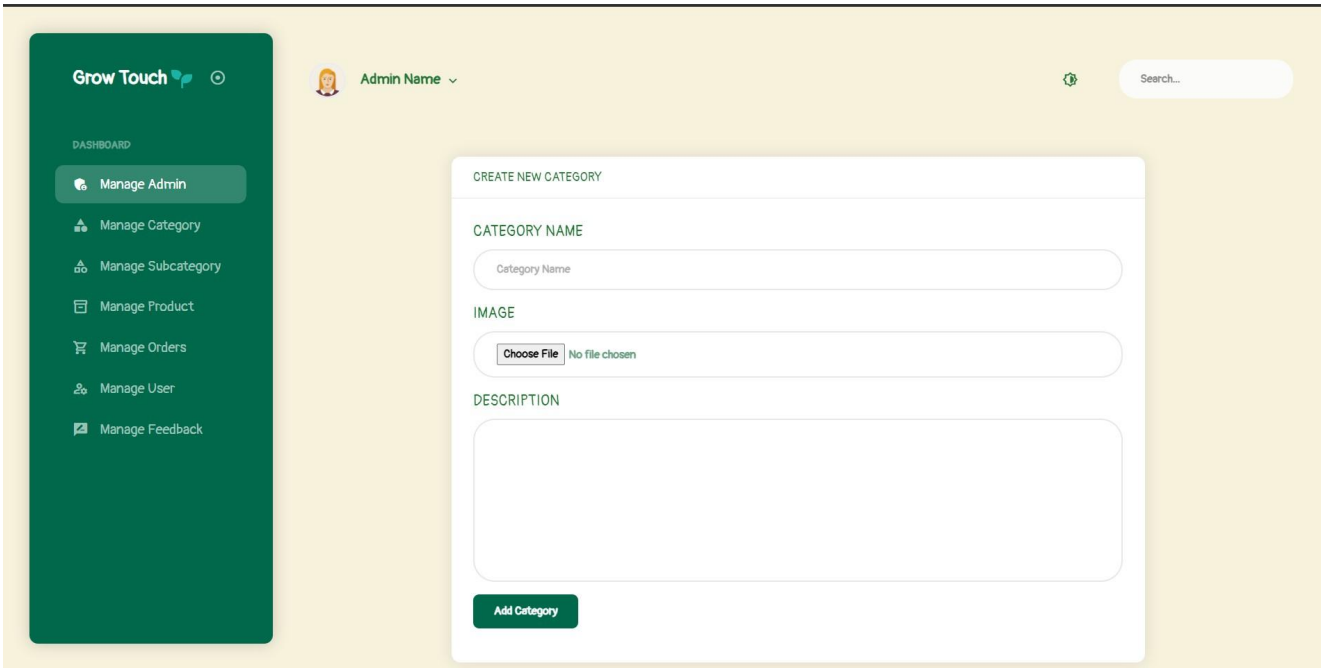


3. Dashboard Page

On dashboard pages the admins can create a new account for the new admin , and add, edit, delete the categories , subcategory, and products that will appear on the website .

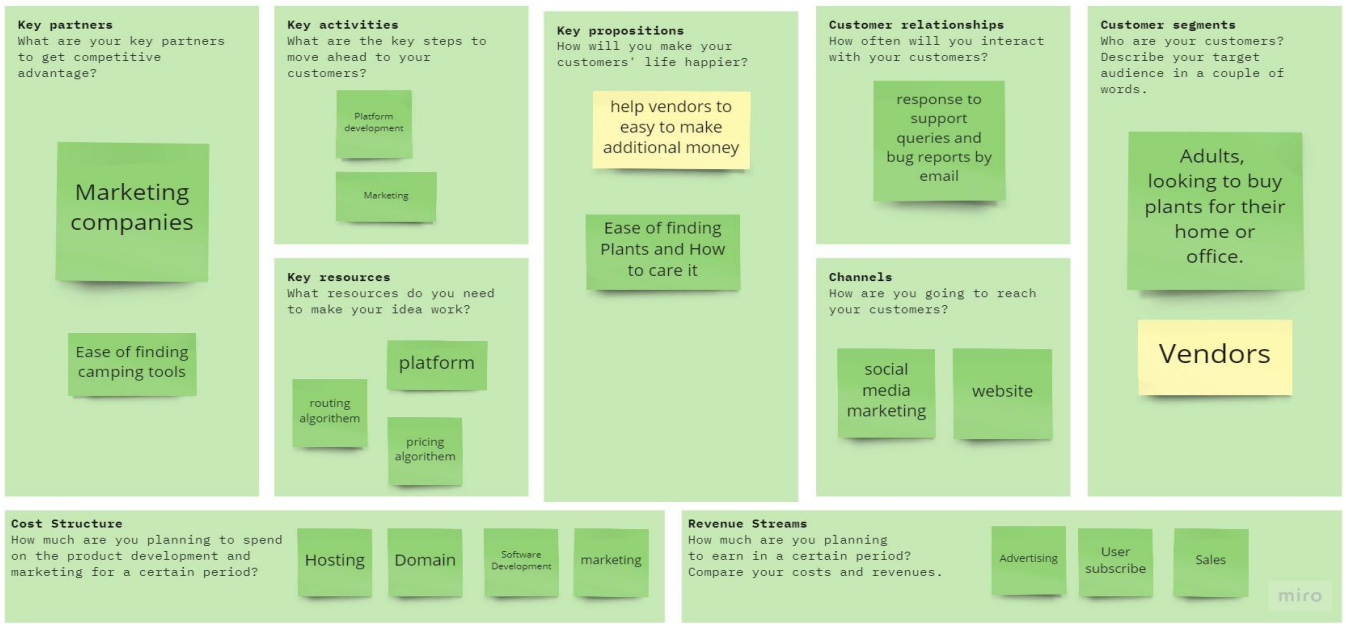

Grow Touch
DASHBOARD
Manage Admin
Manage Category
Manage Subcategory
Manage Product
Manage Orders
Manage User
Manage Feedback
Admin Name
Search...
Apps / Dashboard / Admins
Add New Admin
ADMINS DATA
ID
NAME
EMAIL
IMAGE
EDIT
DELETE
1
Angham Mohammad
angham.baniyounes@gmail.com
Edit
Delete
Grow Touch © 2021


Grow Touch
DASHBOARD
Manage Admin
Manage Category
Manage Subcategory
Manage Product
Manage Orders
Manage User
Manage Feedback
Admin Name
Search...
ADD NEW SUBCATEGORY
NAME
Subcategory Name
IMAGE
Choose File
No file chosen
DESCRIPTION
description ...
CATEGORY TYPE
Open this select menu
Add

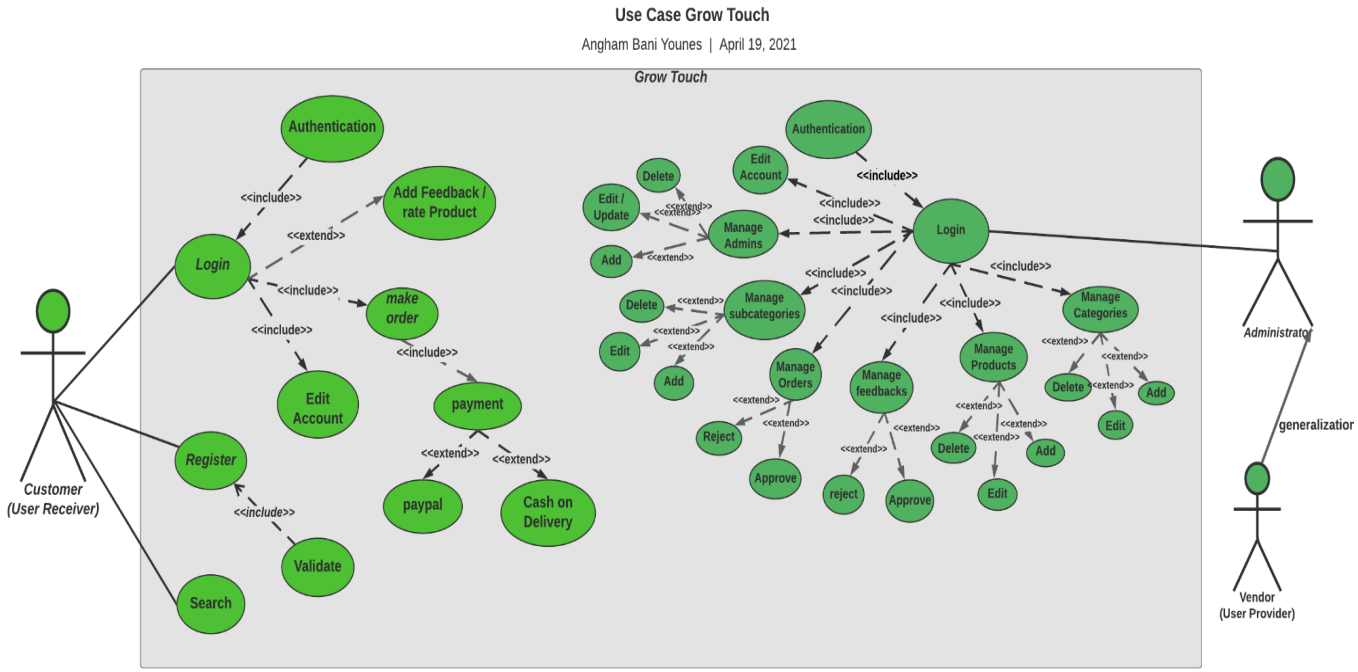


4. Business Model

The Business Model Canvas

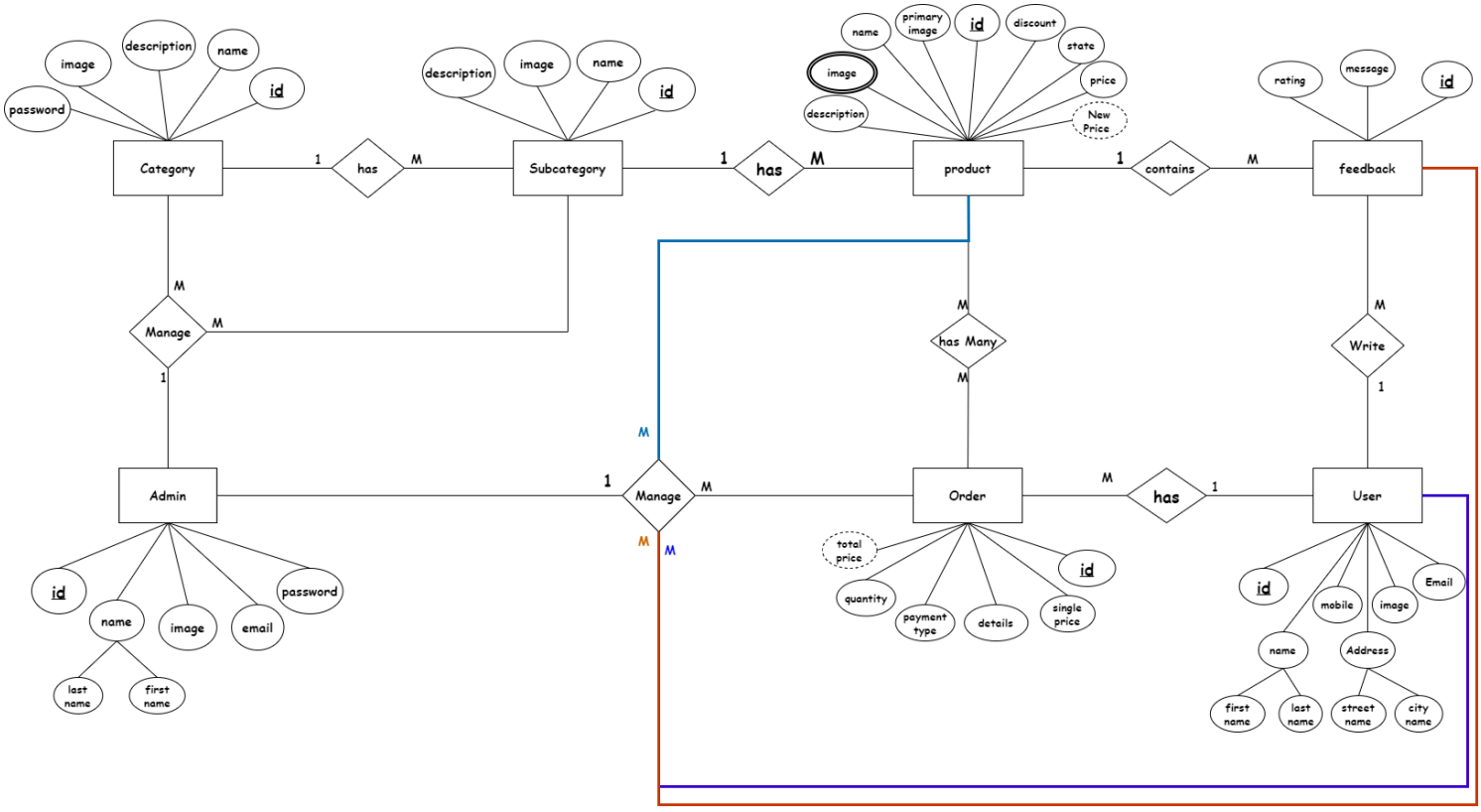


5. USE CASE Diagram



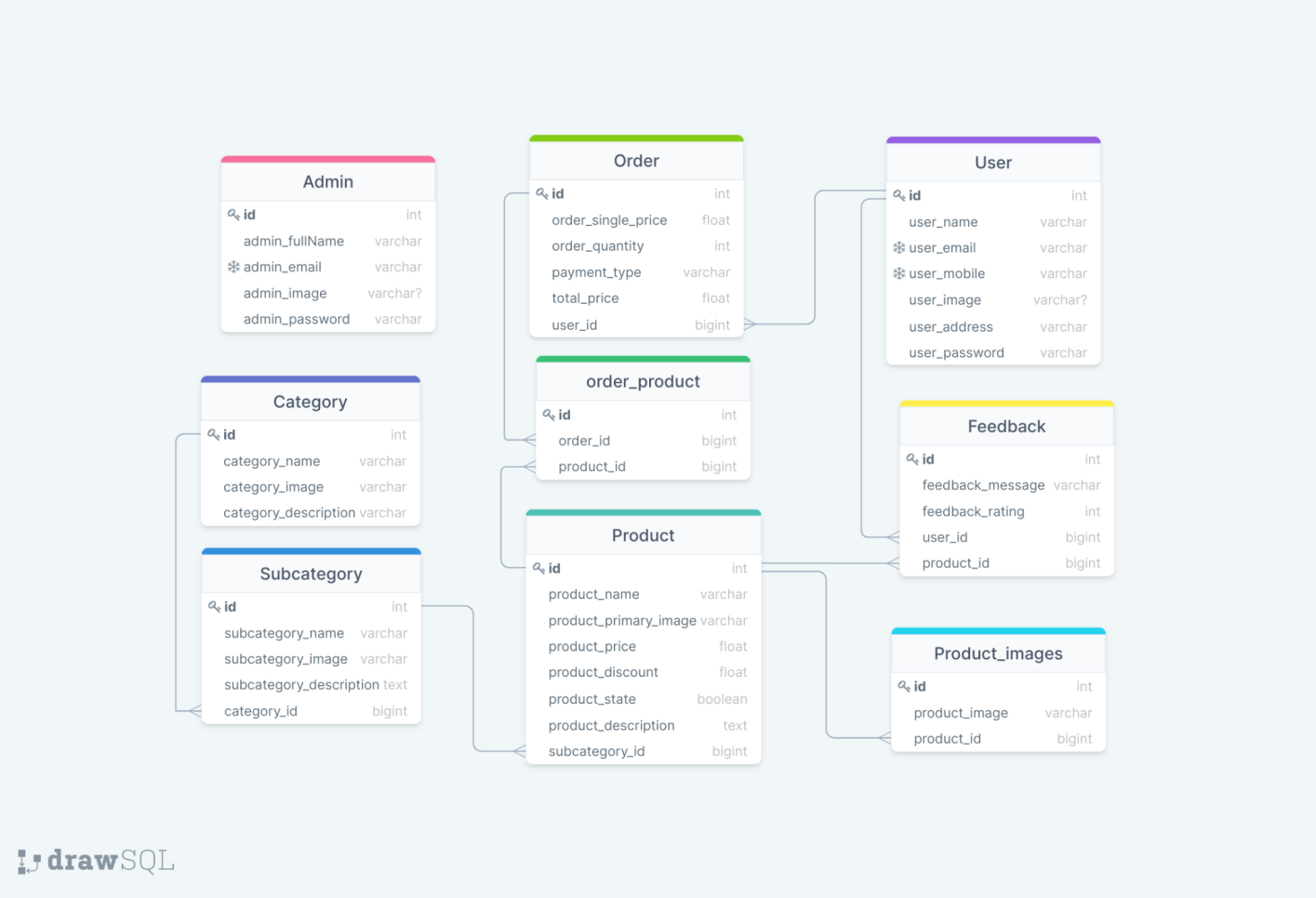
[To View Use Case : Follow Link]

6. Entity Relationship Diagram



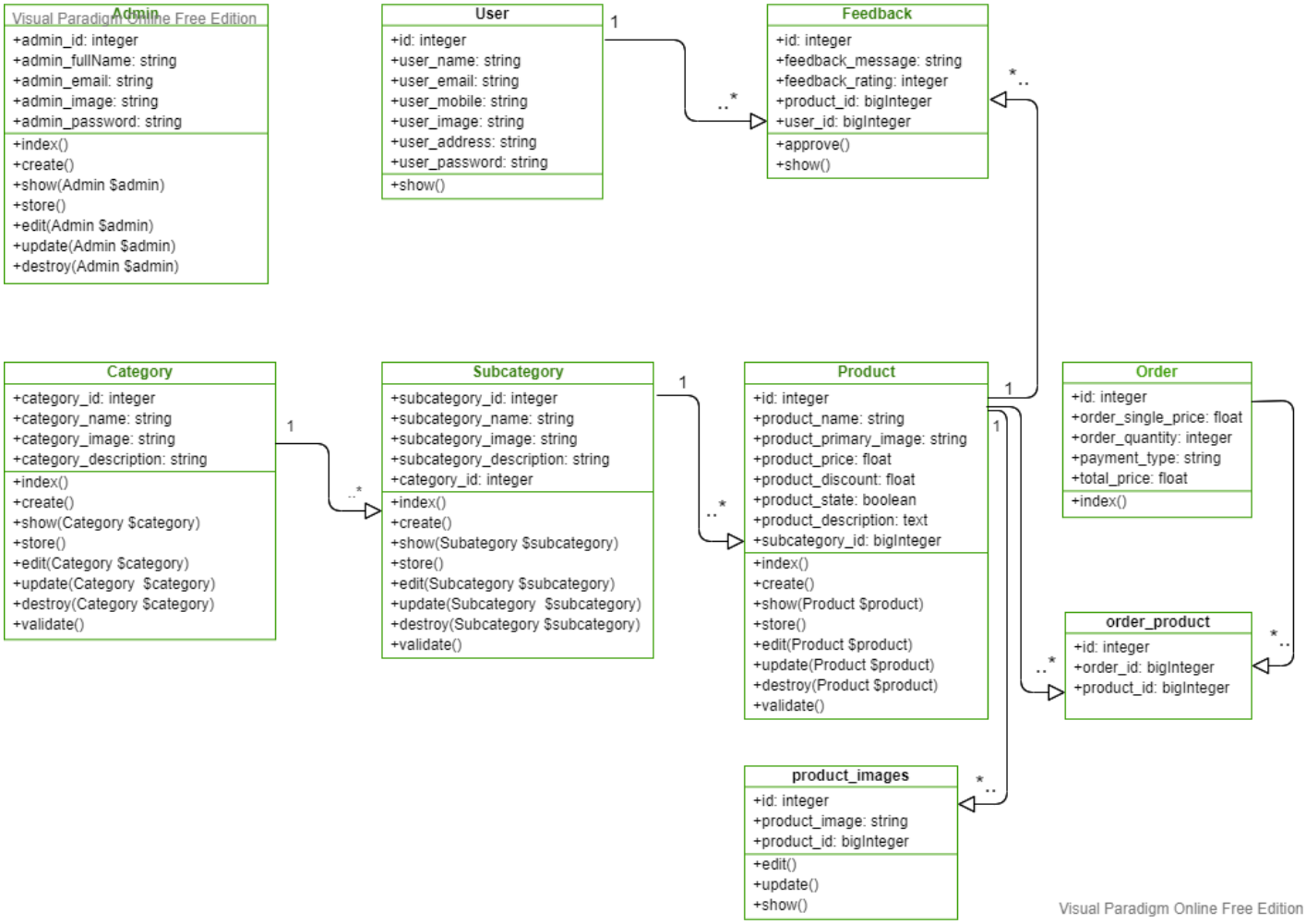
[To View ER Diagram : Follow Link]

7. Database Diagram



[To View Database Diagram: Follow Link]

8. Class Diagram



[To View Class Diagram : Follow Link]