

CHAPTER 01

INTRODUCTION

Creating a user-friendly e-commerce platform dedicated to premium dry fruits, our project aims to provide a convenient, diverse, and reliable shopping experience for health-conscious consumers world wide. In this section, a brief overview of the software such as the scope of the product, intended audience, acronyms and an overall document overview is mentioned in detail.

1.1 DOCUMENT PURPOSE:

The introduction of the software Requirement Specification (SRS) provide an overview of entire SRS. A software requirements specification (SRS) is a document that describes what the software will do and how it will be expected to perform. The design of **Maru dry fruit** website is provided in this document.

1.2 SCOPE OF THE PROJECT:

The software to be developed is a dynamic online platform specifically designed to facilitate the purchase of various types of dry fruits. This platform aims to offer customers an intuitive and secure browsing and shopping experience for a wide range of high-quality dry fruits. The primary goal is to enable users to effortlessly explore, select, and purchase dry fruits while providing benefits such as convenience, access to premium products, and a seamless transaction process.

1.3 Definitions, Acronyms and Abbreviations

- **Bootstrap:** Bootstrap is a framework to help you design websites faster and easier.
- **CSS:** Cascading Style Sheets describes how HTML elements are to be displayed on screen.
- **HTML:** Hypertext Markup Language is the code that is used to structure a web page and its content.
- **JavaScript:** JavaScript, often abbreviated as JS, is a high-level, interpreted scripting language.
- **jQuery:** jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website.
- **Latex:** A document formatting tool to prepare documents.
- **MySQL:** MySQL is a relational database management system based on SQL – Structured Query Language.
- **UI:** User interface
- **VSCode:** Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control.

- **Xampp:** XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

1.4 References and Acknowledgments

- IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.
- [https://www.w3schools.com/howto/default.asp=\[i\]](https://www.w3schools.com/howto/default.asp=[i])
- [https://getbootstrap.com/docs/5.0/getting-started/introduction/=\[j\]](https://getbootstrap.com/docs/5.0/getting-started/introduction/=[j])

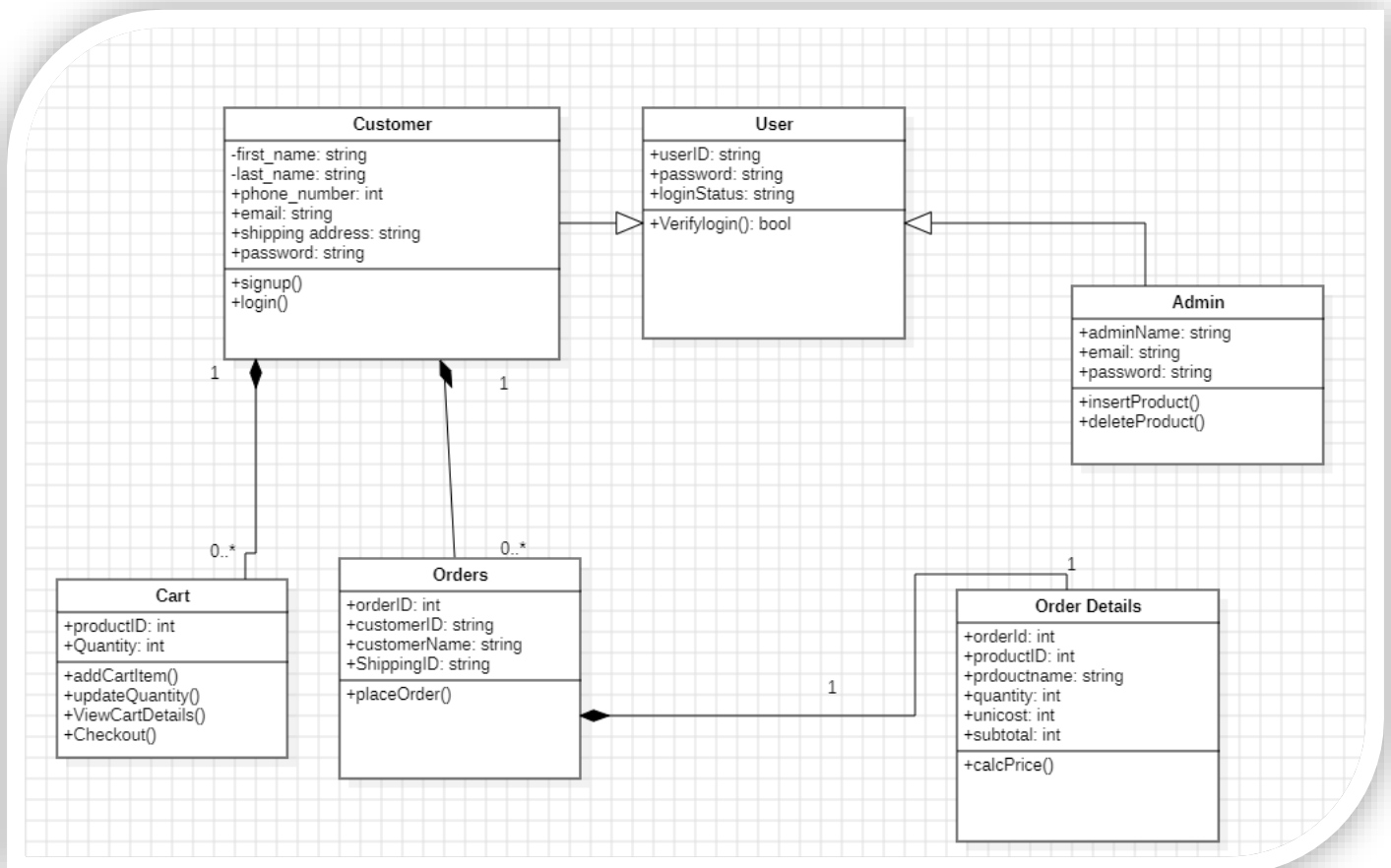
1.5 OVERVIEW OF THE REMAINDER OF THE DOCUMENT:

The design document presents a comprehensive blueprint for the development of MARU DRY FRUIT, covering key aspects such as class diagrams, use cases, data flow diagrams (DFD), Sequence diagram and state diagrams. This document serves as a roadmap for the implementation of the system, providing a clear and structured representation of its architecture, functionality, and flow. Through detailed visualizations and descriptions, it aims to guide the development team in creating a robust and efficient solution that aligns with the project's requirements and objectives. The following sections delve into each aspect of the design, offering insights into the system's structure, user interactions, data flow, and dynamic behavior.

CHAPTER 02:

OBJECT ORIENTED DESIGN

CLASS DIAGRAM



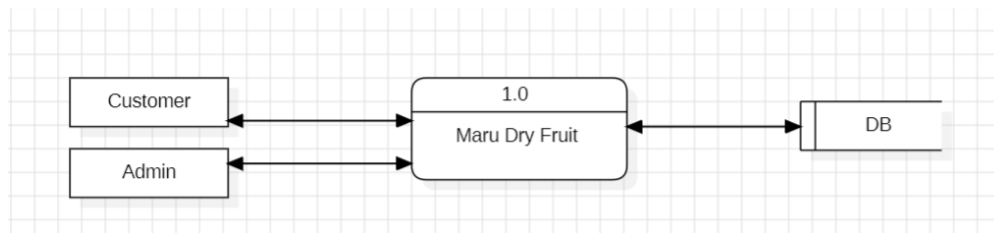
DATA DICTIONARY:

Field Name	Field Size	Data Type	Desription
Email_id	255	varchar	It stores email_id
Password	50	varchar	It stores password
Role_name	50	varchar	It is used in order to distinguish between customer and admin
Product_id	Auto_increment	int	It gives id to product
Product_name	100	varchar	It stores name of products
Product_quantity	-	int	It stores quantity of products
Product_price	(10,2)	decimal	It stores price of products
Product_image	255	varchar	It stores image of products
Total Items	integer	integer	Total number of unique items in the cart
Subtotal	Money	Decimal(10,2)	Sum of the total prices of all items in the cart.
Shipping Fee	Money	Decimal(8,2)	Cost associated with shipping.
Total Price	Money	Decimal(10,2)	Calculate as Subtotal+ Shipping Fee.

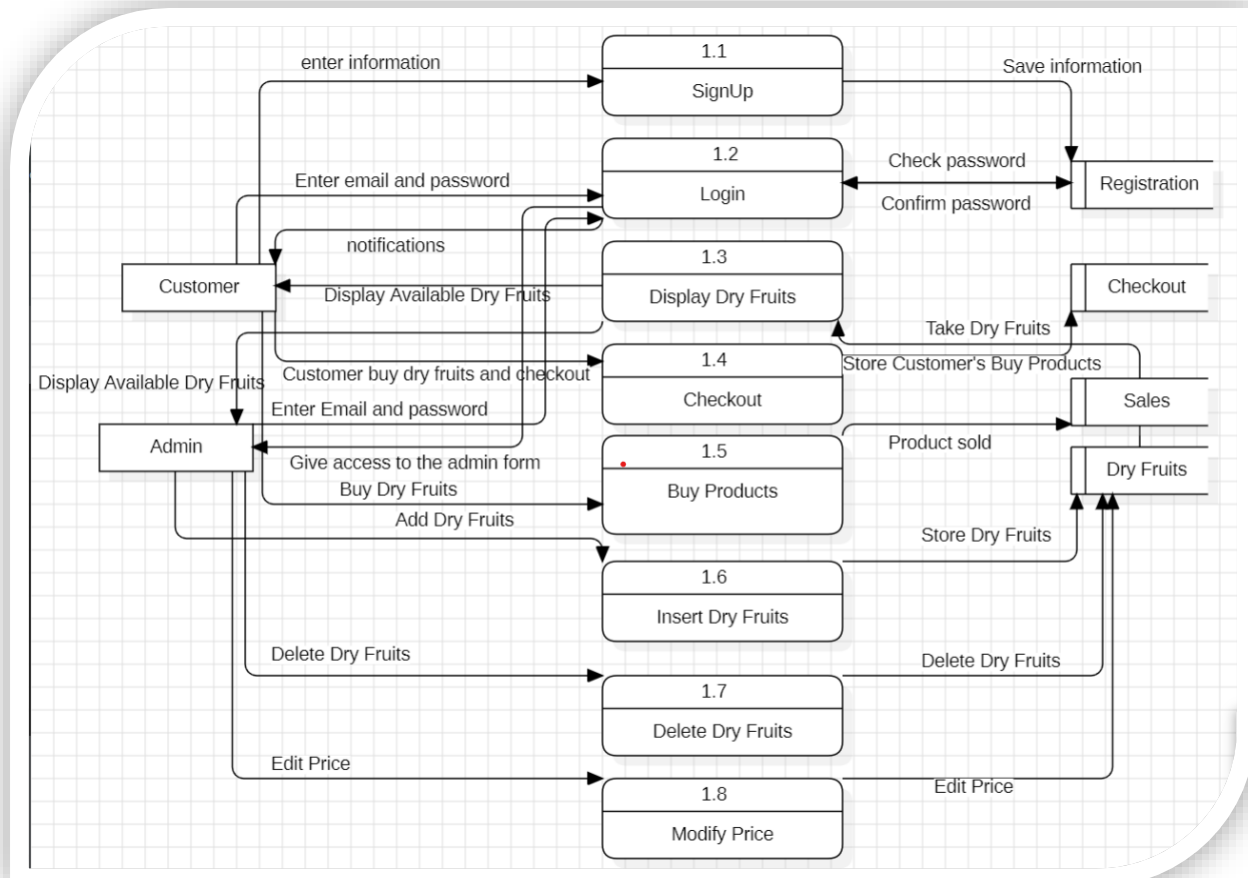
CHAPTER 03

FUNCTIONAL MODELING:

DFD LEVEL 0



DFD LEVEL 1



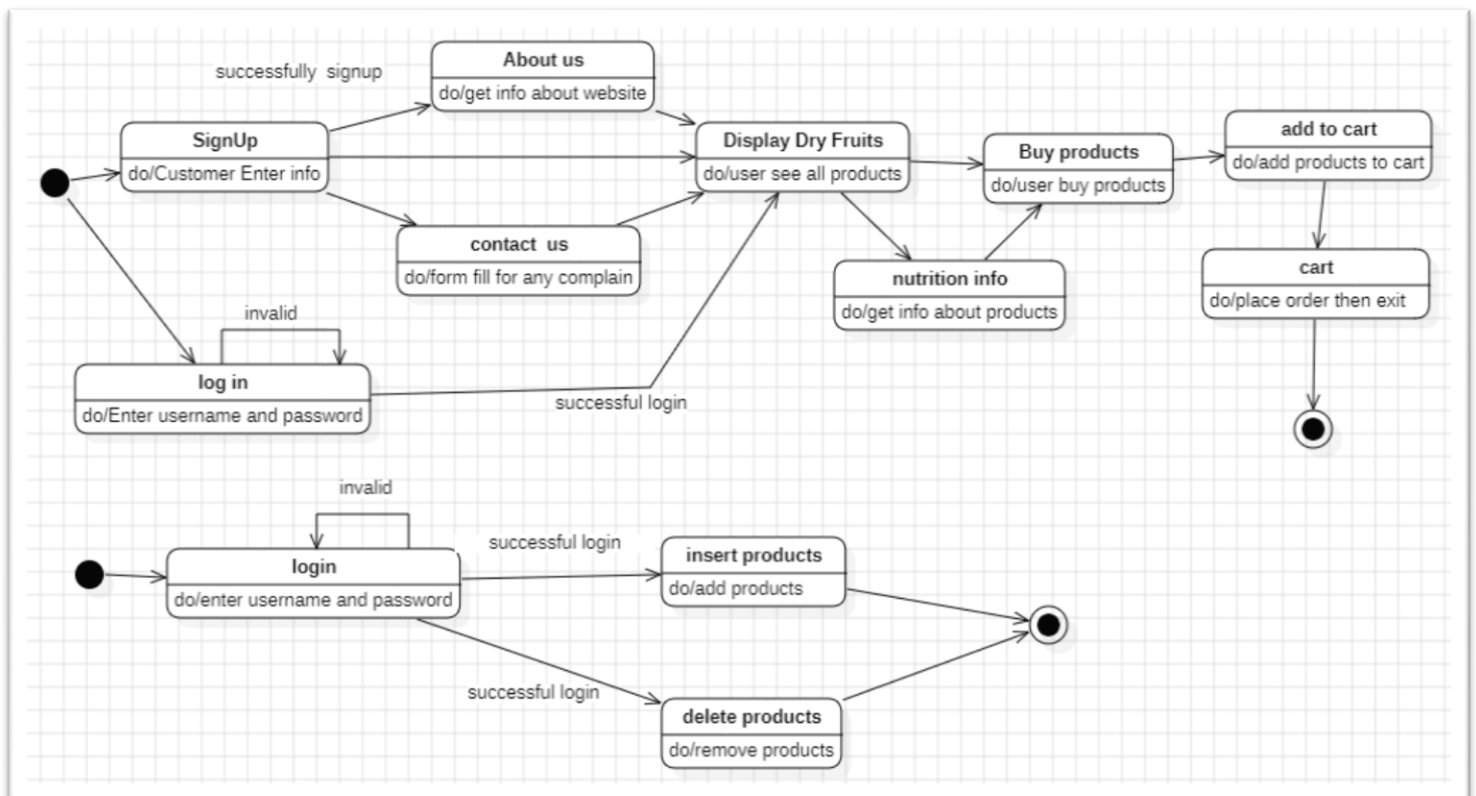
DFD LEVEL 2:

Level 1 diagram is already explaining all functions in detail as it is self-explanatory in diagram so there is no need of higher level diagram.

CHAPTER 04

BEHAVIORAL MODELING

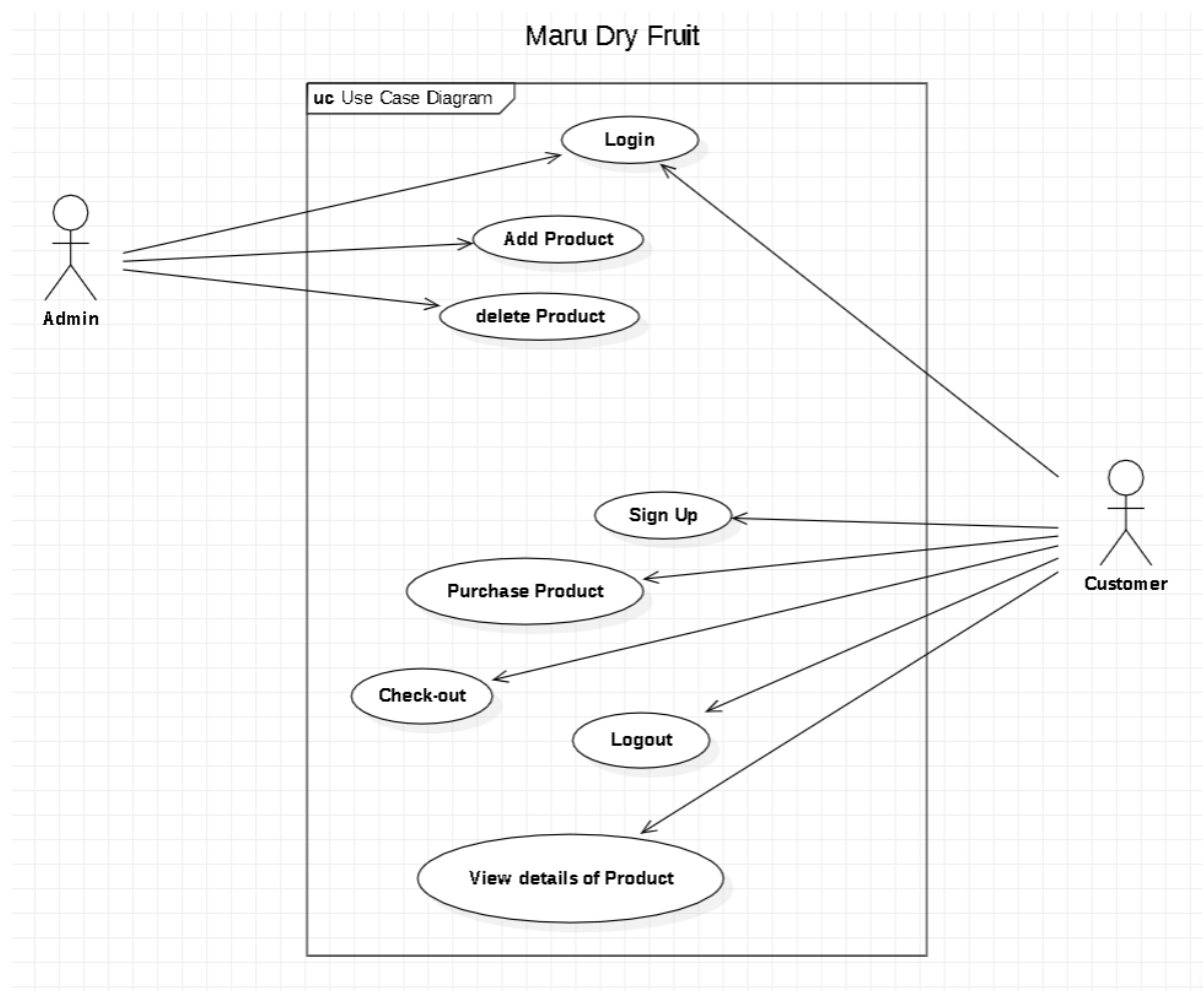
STATE TRANSITION DIAGRAM



CHAPTER 05

INTERACTION MODELING

USE CASE DIAGRAM



SEQUENCE DIAGRAM

