



Shri Vaishnav Institute of Information Technology

Software Requirement Specification

Topic : Plant E-commerce Website

Subject : Software Engineering and Project Management [BTCS504]

**Submitted to :
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CHAPTER-1:INTRODUCTION

1.1 Introduction

The rise of e-commerce businesses has definitely changed the world as we know it. Subsequently, online shopping has become an unbreakable habit, especially for the younger generation. From shoes, bags, clothes, food, and now flower delivery and indoor plant delivery.

Choosing a plant for your home can be a challenge, but its benefits are endless. Whether displayed on a bookshelf, a windowsill, or the center of a coffee table, plants never fail to breathe life into space. Plus, they're known to improve air quality, and if you live in a big city, that alone is a solid reason to consider adding them to your home-decor shopping list.

The Internet has transformed the way we socialize, learn and shop. For gardeners and homeowners, the internet has even changed the way we find and purchase plants.

There's nothing wrong with driving to the local garden center, finding a place to park, and hauling plants home in the car. But ordering plants online is so much simpler. Plus, shopping for plants online provides access to thousands of species and varieties—sometimes straight from the plant breeders and growers. The best part is plants can be delivered to the doorstep at the perfect time for planting in your area.

1.2 Problem Statement

Many people want to buy plants and they directly concerned to the nursery and buy the plants but sometimes people don't know specific information about particular plant items as well as seller which are not technically skilled. Customer does not compare plant price with other shopkeepers at the same time. In nursery there is no facility for online payment only cash may be consumed. we cannot purchase plants through online mode. Limited customers reached to the nursery because sometime customer need to travel for long distance as nursery is far from their home. The system has the provision of orders entered by the clients along with their contact details, grading specifications, special services, job codes, and amount of request. After an order is entered, an order confirmation report will be sent to the client for When all orders have been entered, a surplus for sale report will be created.

If I ordered a toaster online, I'd be a bit surprised if I received a bread maker. But it seems that when it comes to buying plants online, it's commonplace to receive the wrong product – that's if you get it at all. What's more, it can be pretty tricky to get a refund or a replacement.

Some problems are:

- Dead, dying, poor quality or rotted plants – or plants that succumbed rapidly to disease.
- Battered plants – usually due to poor packaging.
- Wrongly-coloured plants – or the wrong plants altogether.
- Plants that arrived very late – or didn't turn up at all.

1.3 Need for Proper System

We analysis that many peoples want to buy plants and they have to directly concern with the nursery. Sometimes people do not know specific information about particular plant items as well as seller is not technically skilled. Customer does not compare plants prices with different shopkeeper and there is no facility for online payment only cash may consume. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. We want each customer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communication with our customers through creative advertising. Customers can buy plants from their home. Customers can view a large number of plants available in a nursery. When an admin decides to check out the order, then information including the buyer's name, address and billing instruction is record in system for future references.

1.4 Objective

As getting the information from various research papers and other sources we analysis that many peoples want to buy a plant and they directly concerned to nursery but sometimes people doesn't know specific information about particular plant items as well seller is not technically skilled. Customer doesn't compare plants pricing with different shopkeeper as well as in nursery there is no facility for online payment only cash may consumed. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. We want each customer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communicate with our customers through creative advertising.

1.5 Modules of the System

The project is mainly divided into 3 modules :

A) System:

1. Managing user database system.

B) Admin:

1. Admin register's themselves into websites dashboard.
2. Admin can then modify the product list.
3. Admin can check order and transaction details.

C) Consumer:

1. Consumer creates an account and logs into the website.
2. Consumers can search for the product through search bar or can also see the categorical view.
3. Consumers can add items to the cart and buy them.
4. Consumers can list their query about a product which they want to order.
5. Consumers can also give feedback about the products.

1.6 Scope

1. Number of shopkeeper's can register to the web portal for increase their sale.
2. This application can be used by any user to purchase the online plants and get appropriate information by viewing short summery about the plant's items through videos.
3. If any changes to make customer can purchase the plants through different payment schemes like debit card, credit card, pat, phone pay, cash on delivery etc.

CHAPTER-2: LITERATURE SURVEY

2.1 Existing System

- Floom.com
- Breck's.com
- Amazon.com
- myBageecha.com
- mygardenbd.com

2.1.1 Functionality of the Existing System

- Selling Different types of Plants, Seeds, Tools
- Providing home delivery
- Planning and Designing of Roof Gardening
- Garden Management Services

2.1.2 Problems of Existing System

- Lack of information
- High Pricing
- Unfriendly Delivery
- Inappropriate for Rural Area

2.2 Proposed System

2.2.1 Functionality of Proposed System

- Encouragement of Client
- Providing Information
- Recommend Plants and Seeds by Location
- Providing Ecommerce Service

2.2.2 Feature of Proposed System

- Availability
- Large Database
- Knowledge About Benefits
- Affordable Price
- Fastest Delivery and Service

2.3 Feasibility Study

Considering the requirements, a full-scale feasibility study was undertaken for testing the possibility of our Project. The feasibility study was carried out under the following areas: -

2.3.1 Technical Feasibility

The hardware available is a multi-user system with 4 GB of RAM, system has sufficient storage and a nice working environment and skilled man power so that the task can be performed easily, and several other systems for keeping a track on ongoing tasks.

The person working with it has basic knowledge of some of the languages that are been used like HTML, CSS, PHP, My SQL and a working system's with pre-installed all the necessary requirements to run all these applications. So that the task can be easily performed and also some of the software's like Notepad, My SQL Workbench, Xampp etc. are also there to work with.

2.3.2 Operational Feasibility

With a nice Working Environment, we can achieve any tasks and perform it nicely and timely manner and any conditions. As we have Skilled man power and Required systems that can perform all the required task's that our project work need . That in result increases response time and lower delay in tasks that are to be performed, so this also provide advantage as we can test our work to.

Our project will also reduce time and will provide more options to the consumer/user to choose from also in a much effective way, all of them make it operational y feasible to work on.

CHAPTER-3: REQUIREMENT ANALYSIS

3.1 Functional Requirement

3.1.1 Documentation

A) System Specific

S1: Recorder

It keeps the record of quantity of items in the inventory. An indicates the admin when the quantity drops below the threshold value, by alerting in check stock(O4).

S2: Managing User Database

Managing the user account information in the database.

B) Admin Specific

A1: Owner Dashboard Registration

This gives the admin privileges to update and modify the data.

A1.1: Manage Inventory

This allows the admin to add, delete, update the inventory.

A1.2: Check Stock

Checks to see if stop-order is on for a particular item in the inventory and if it is checks to see if the amount in stock is below the reorder amount. If it is then it will reorder.

A1.3: Check Order & Transaction

The admin is able to see the pending orders and Transactions made by the consumer.

A1.4: Check Query

The admin is able to see the queries and feedback of the consumers.

C) Consumer Specific

C1: Website: search

When the user first visits the website, user can search for items in inventory and is also provided with a categorical view of the products.

-input: user enters the product category.

-output: products coming under the user query are listed.

C2: Error Message

If the user tries to purchase an item without logging-in. An error message prompts user to sign-in(C4) or sign up (C3).

C3: User Sign-up

To buy any item the user must get registered. To register user must provide his email-id and password to create a user account.

C4: User Sign -in

After registration the user can login using the email-id and password used during registration.

C5: Result in List View

Max 15 results must be displayed at once . List must be arranged in ascending order of the prices.

C5.1: Result Layout

-Each layout must contain product preview image . buy now and add to cart option.

C6: Product Cart

Allows the Customer to place items selected in the Browse Inventory screen to their shopping cart for later purchase. The user can list max of 6 items in the cart for a single time purchase.

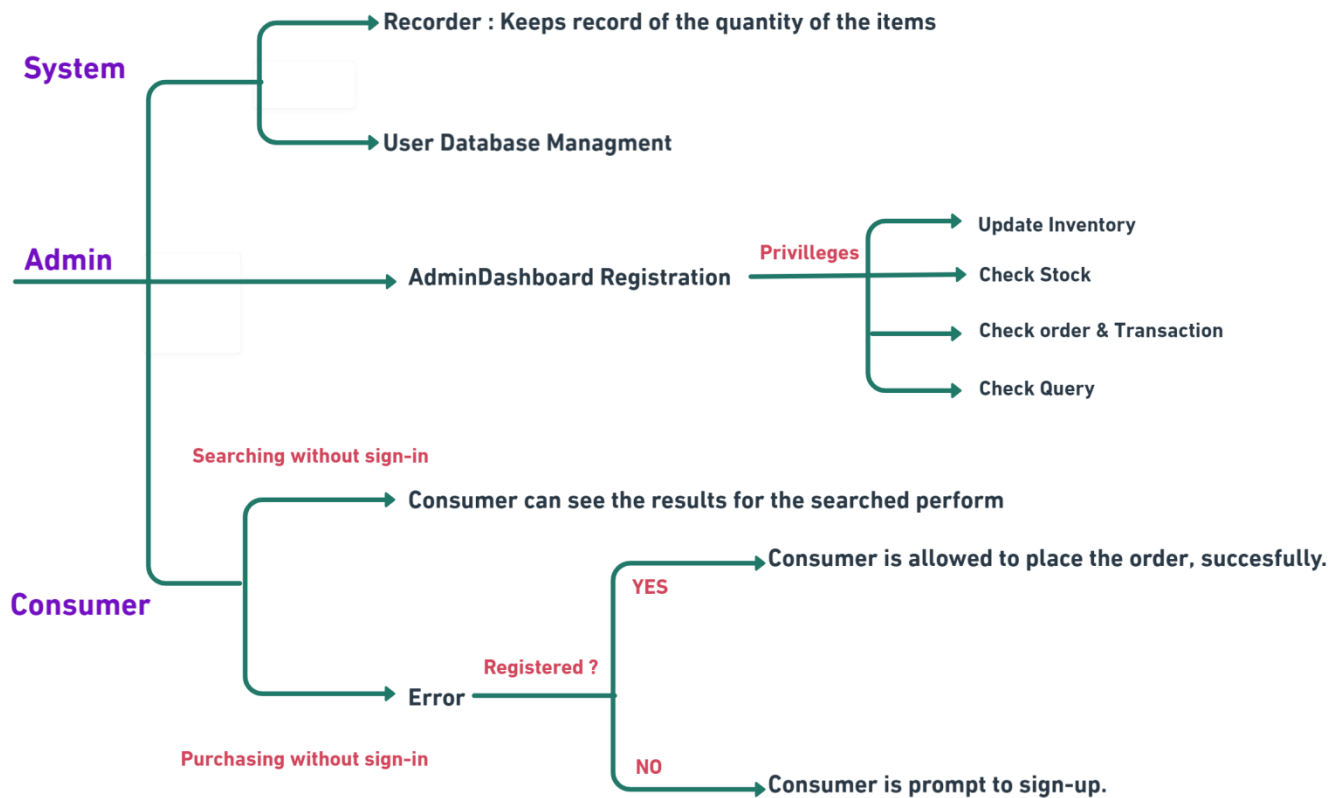
C7: Purchase Item

Acted on when the user presses the finalize order button in checkout. This decrements the inventory of all items within the order, email the user, create a log of the transaction, and check stock to see if a reorder needs to take place.

C8: Query Section

User can email an query for specific item to the owner. To which the owner will respond.

3.1.2 Decision Tree



3.1.3 Decision Table

<u>Conditions</u>			
Searching without sign-in	YES	YES	YES
Purchasing without sign-in	-	YES	NO
Registered on the website	-	NO	YES
<u>Actions</u>			
Search performed successfully	X	X	X
Display error message	-	X	-
Prompt consumer to Sign-up	-	X	-
Prompt user to Sign-in	-	-	X
Place order successfully	-	-	X

3.2 Non-Functional Requirement

3.2.1 Error handling

The product shall handle expected and non-expected errors in ways that prevent loss in information and a long downtime period.

3.2.2 Performance Requirements

The system shall accommodate a high number of users without any fault.

3.2.3 Safety Requirements

System use shall not cause any harm to human users.

3.2.4 Security Requirements

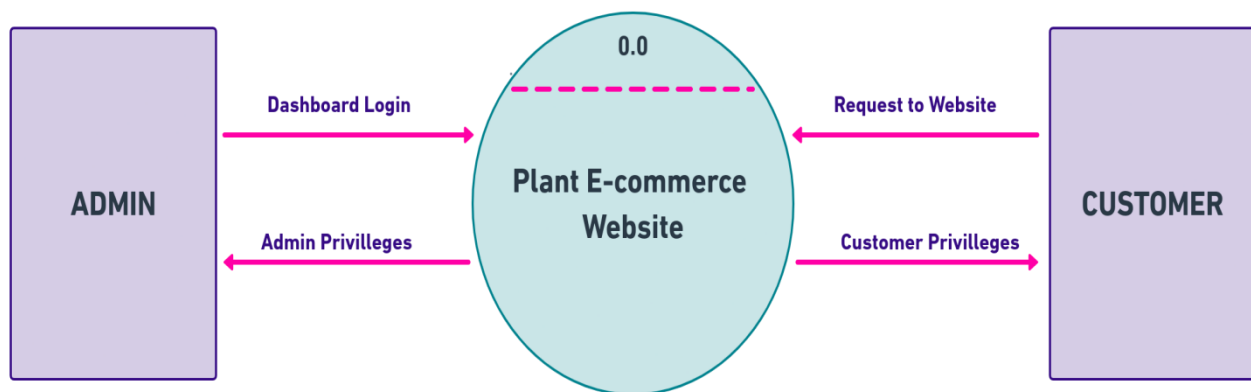
The system will use a secured database. Normal users can just read information but they cannot edit or modify anything except their personal and some other information. The system will have different types of users and every user has access constraints.

3.3 Goals of Implementation

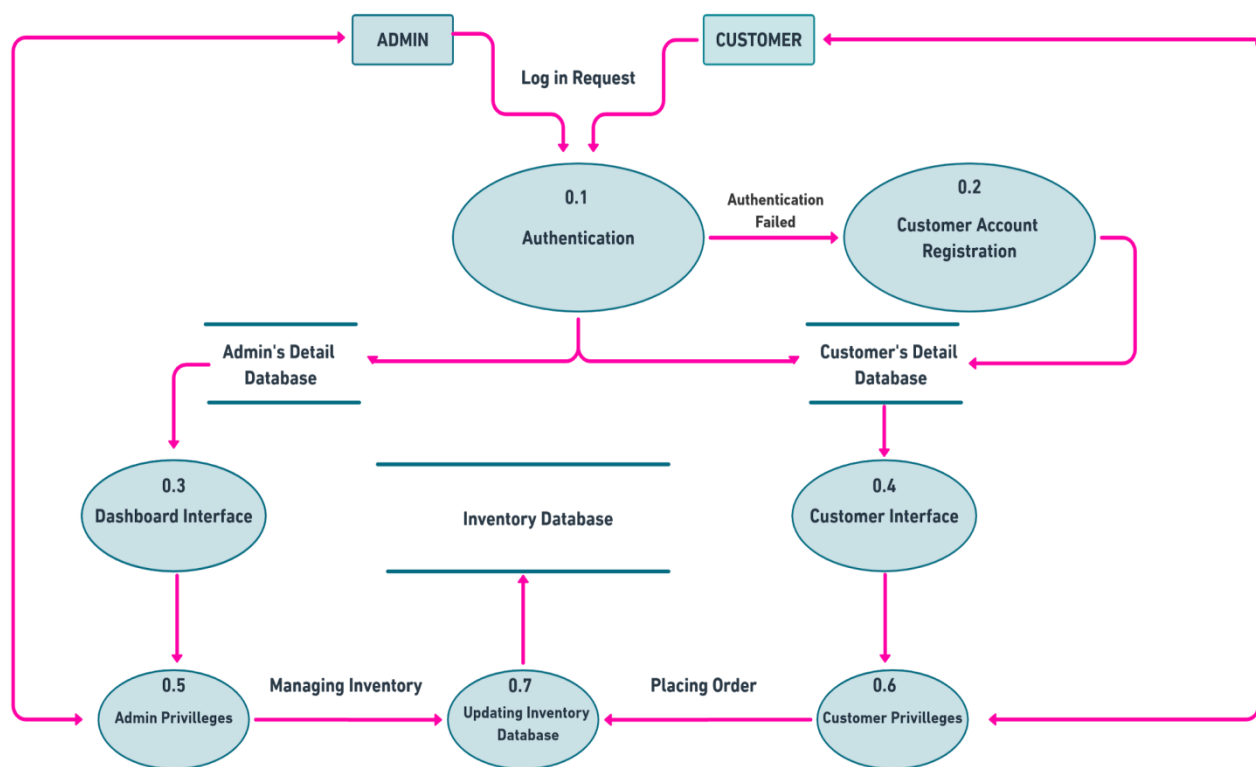
- To create a user-friendly interface.
- To provide the user a wide product range.
- Give users a hassle-free experience.
- Have a secure database to protect user information.
- To promote 'Local is Vocal'.

Data Flow Diagram (DFD)

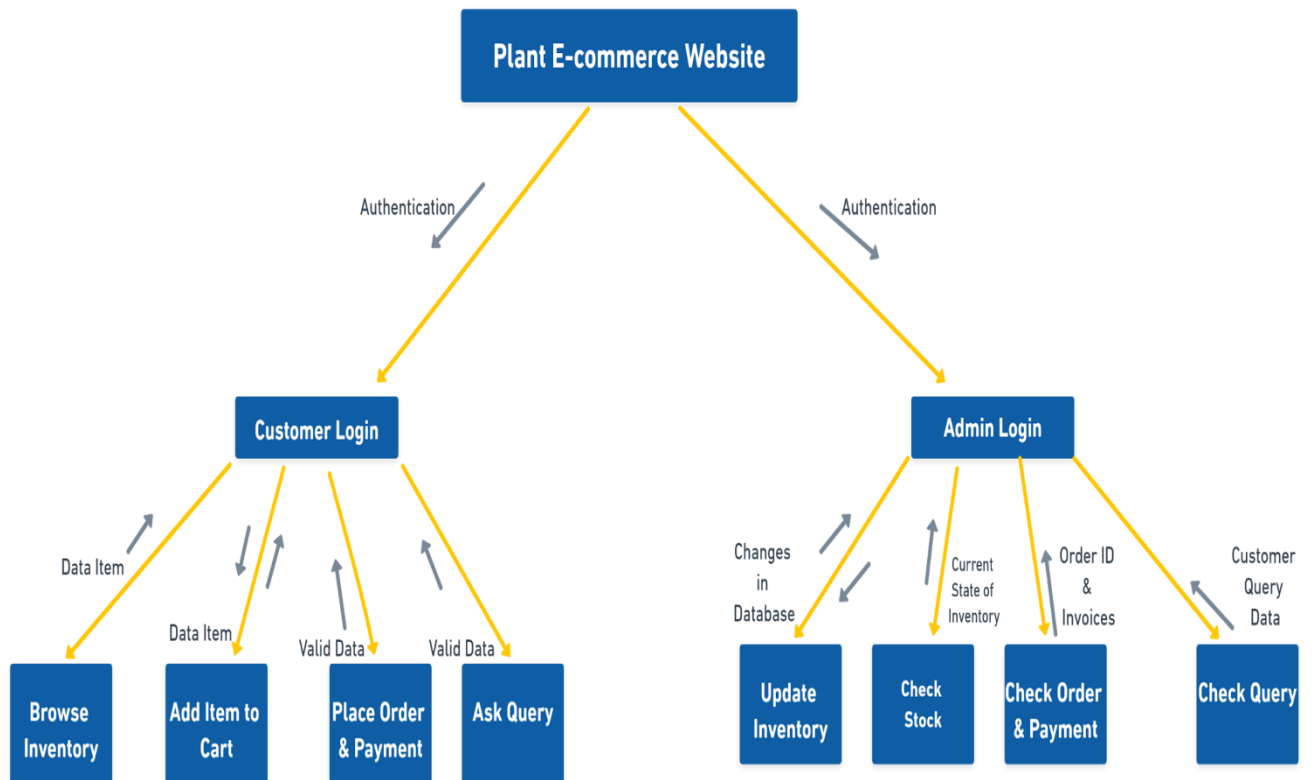
Level - 0



LEVEL-0 Data Flow Diagram

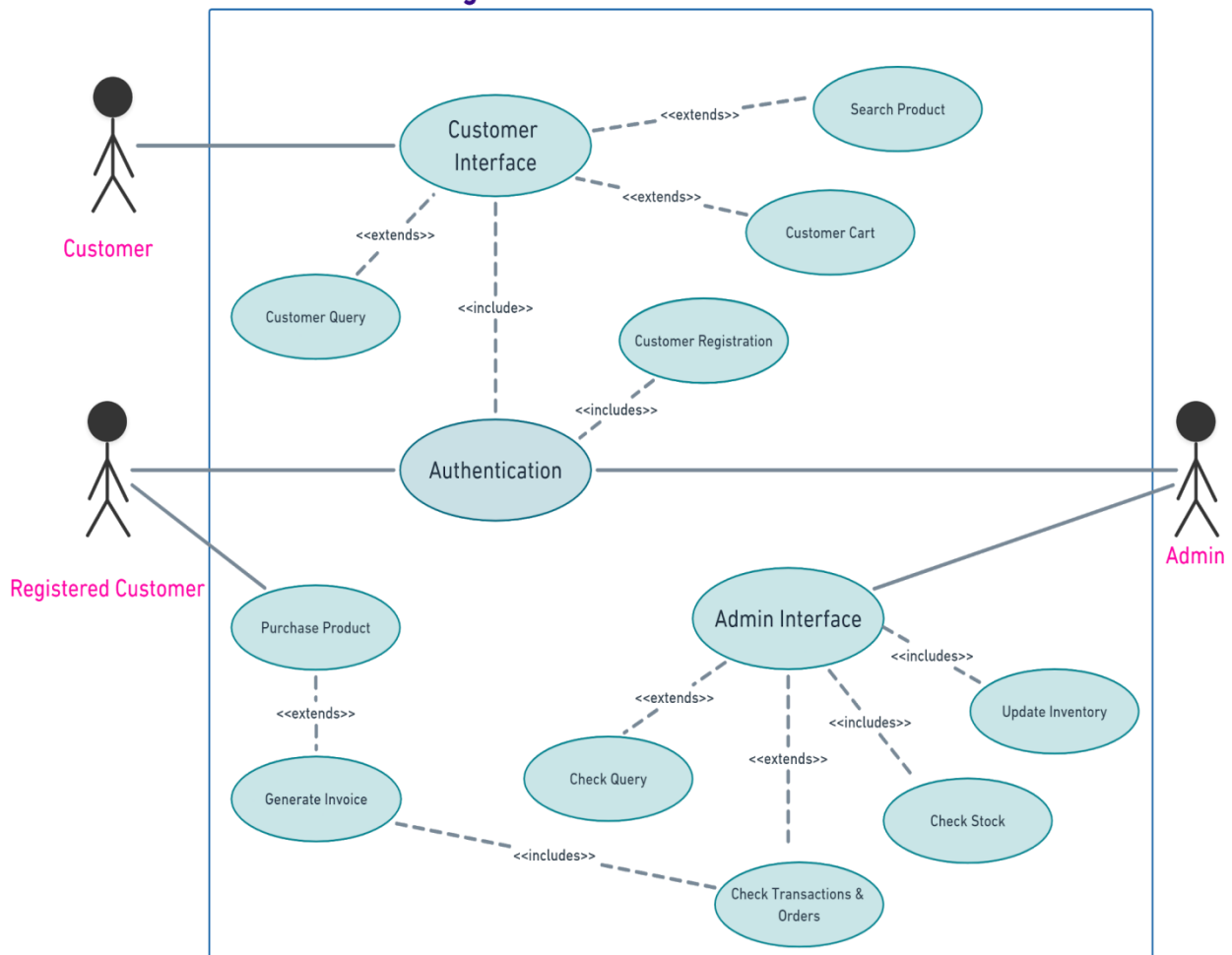
Level - 1**LEVEL -1 Data Flow Diagram**

Structure Chart

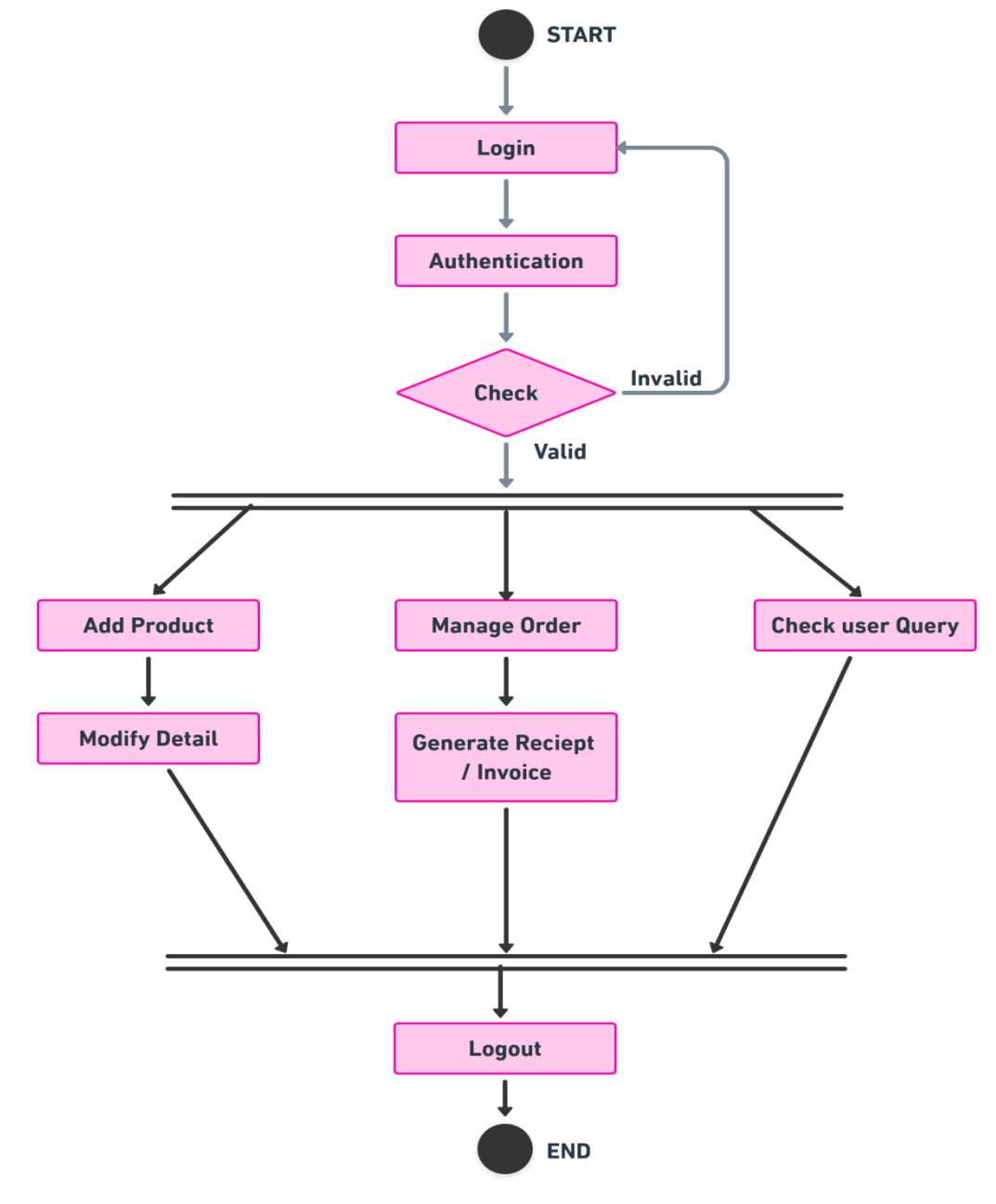


Unified Modelling Language (UML) Diagram

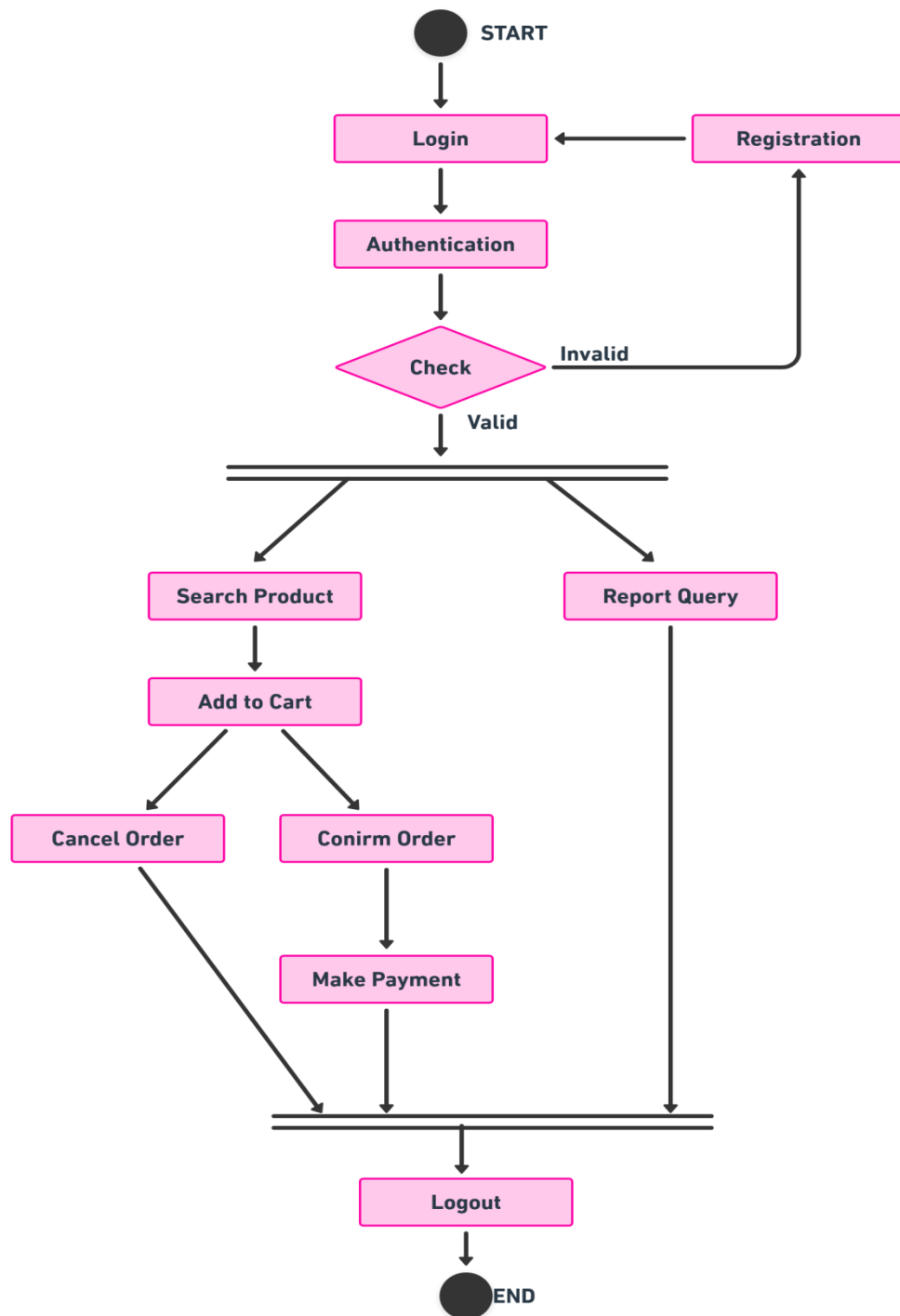
UML Diagram User Case : Plant E-commerce Website



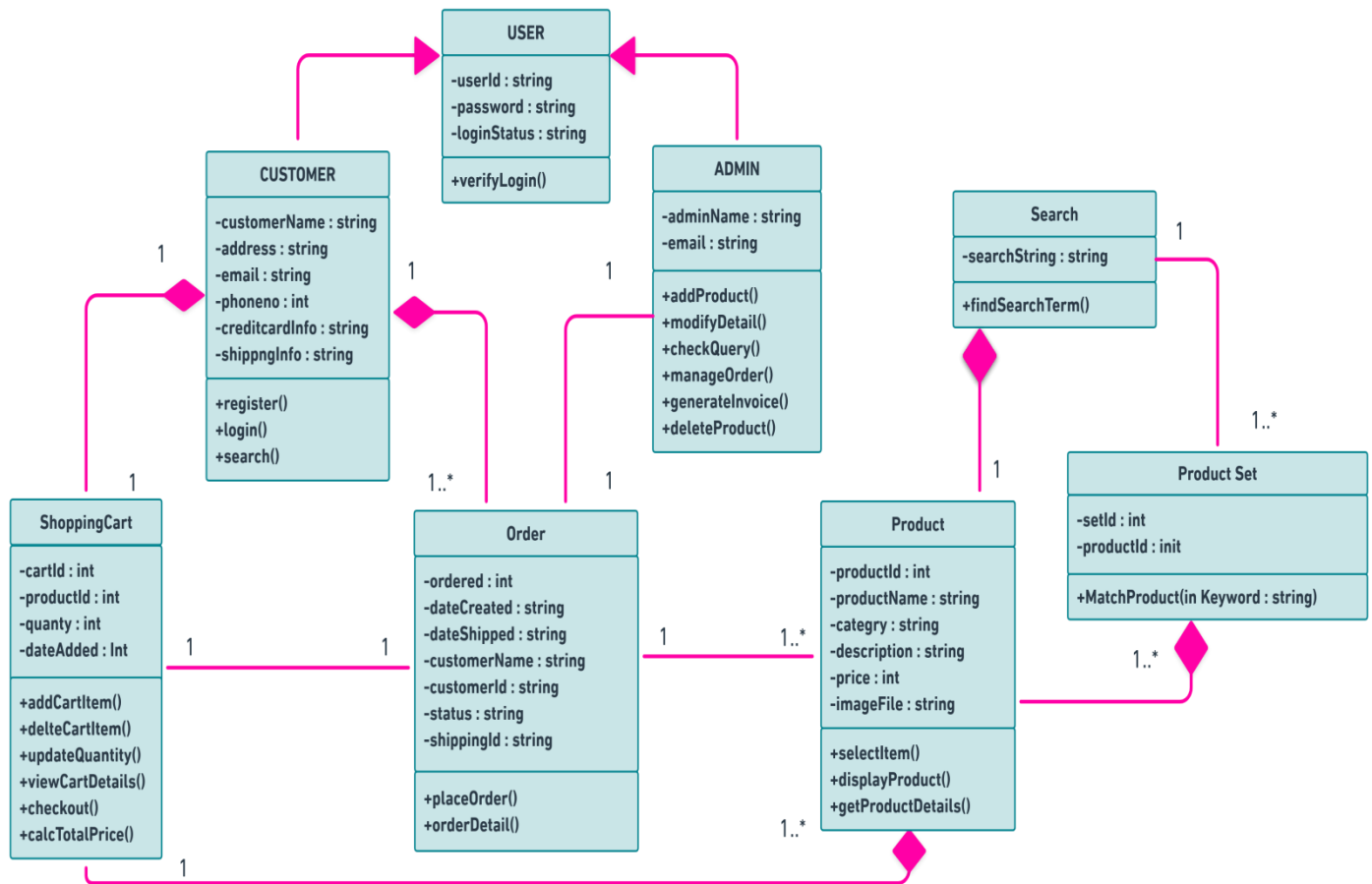
Activity Diagram : Admin



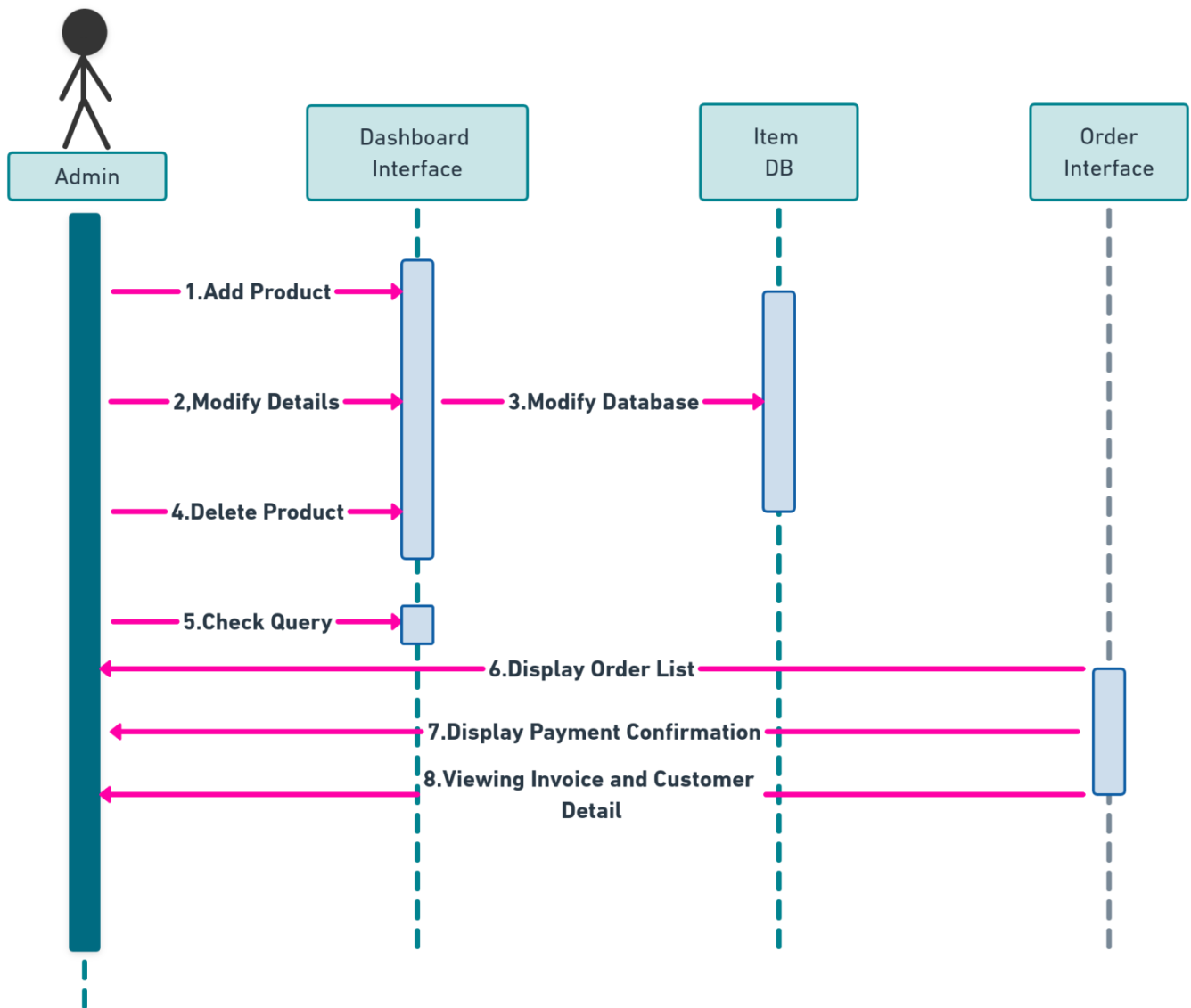
Activity Diagram : User



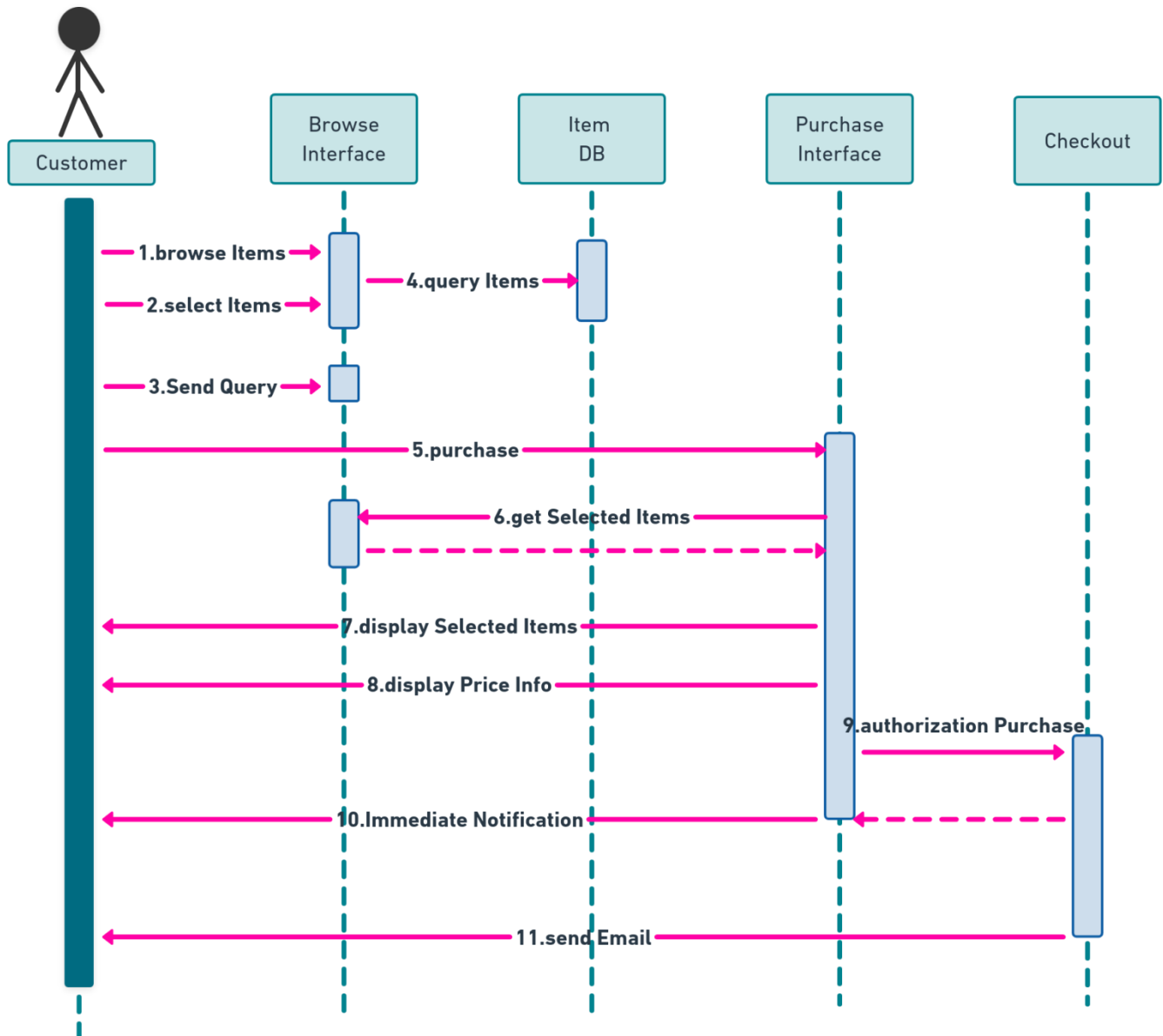
Class Diagram



Sequence Diagram : Admin



Sequence Diagram : User




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ProjectHaryali.html - Visual Studio Code
C:\Users\LENOVO\Desktop\Projects\ProjectHaryali\ProjectHaryali.html
922 <script src="http://localhost/ProjectHaryali/wp-includes/js/dist/hooks.min.js?ver=50e23bed88cb9e6e14023e9961698c1" id="wp-hooks-js"></script>
923 <script src="http://localhost/ProjectHaryali/wp-includes/js/dist/i18n.min.js?ver=db9a9a37da262883343e941c3731bc67" id="wp-i18n-js"></script>
924 <script id="wp-i18n-js-after">
925 wp.i18n.setLocaleData( { 'text direction\u0004ltr': [ 'ltr' ] } );
926 </script>
927 <script id="elementor-common-js-translations">
928 ( function( domain, translations ) {
929     var localeData = translations.locale_data[ domain ] || translations.locale_data.messages;
930     localeData[""].domain = domain;
931     wp.i18n.setLocaleData( localeData, domain );
932 })( "elementor", { "locale_data": { "messages": { "": {} } } } );
933 </script>
934 <script id="elementor-common-js-before">
935 var elementorCommonConfig = { "version": "3.2.3", "isRTL": false, "isDebug": false, "isElementorDebug": false, "activeModules": [ "ajax", "finder", "connect", "experimentalFeatures": {
936 </script>
937 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/common.min.js?ver=3.2.3" id="elementor-common-js"></script>
938 <script id="elementor-app-loader-js-before">
939 var elementorAppConfig = { "menu_url": "http://localhost/ProjectHaryali/wp-admin/admin.php?page=elementor-app&ver=3.2.3#site-editor/promotion", "assets_url": "http://\
940 </script>
941 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/app-loader.min.js?ver=3.2.3" id="elementor-app-loader-js"></script>
942 <script src="http://localhost/ProjectHaryali/wp-includes/js/wp-embed.min.js?ver=5.7.2" id="wp-embed-js"></script>
943 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/webpack.runtime.min.js?ver=3.2.3" id="elementor-webpack-runtime-js"></script>
944 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/frontend-modules.min.js?ver=3.2.3" id="elementor-frontend-modules-js"></script>
945 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/lib/waypoints/waypoints.min.js?ver=4.0.2" id="elementor-waypoints-js"></script>
946 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/lib/swiper/swiper.min.js?ver=5.3.6" id="swiper-js"></script>
947 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/lib/share-link/share-link.min.js?ver=3.2.3" id="share-link-js"></script>
948 <script id="elementor-frontend-js-before">
949 var elementorFrontendConfig = { "environmentMode": { "edit": false, "wpPreview": false, "isScriptDebug": false }, "i18n": { "shareOnFacebook": "Share on Facebook", "shareOnTwitter": "Sh
950 </script>
951 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/frontend.min.js?ver=3.2.3" id="elementor-frontend-js"></script>
952 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/preloaded-modules.min.js?ver=3.2.3" id="preloaded-modules-js"></script>
953 <script id="wp-util-js-extra">
954 var _wpUtilSettings = { "ajax": { "url": "\ProjectHaryali\wp-admin\ajax.php" } };
955 </script>
956 <script src="http://localhost/ProjectHaryali/wp-includes/js/wp-util.min.js?ver=5.7.2" id="wp-util-js"></script>
957 <script id="wpforms-elementor-js-extra">
958 var wpformsElementorVars = { "captcha_provider": "recaptcha", "recaptcha_type": "v2" };
959 </script>

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958 var wpformsElementorVars = { "captcha_provider": "recaptcha", "recaptcha_type": "v2" };
959 </script>
960 <script src="http://localhost/ProjectHaryali/wp-content/plugins/wpforms-lite/assets/js/integrations/elementor/frontend.min.js?ver=1.6.7" id="wpforms-elementor-js"></scri
961 <script id="elementor-admin-bar-js-before">
962 var elementorAdminBarConfig = { "elementor_edit_page": { "id": "elementor_edit_page", "title": "Edit with Elementor", "href": "http://localhost/ProjectHaryali/wp-admin/post
963 </script>
964 <script src="http://localhost/ProjectHaryali/wp-content/plugins/elementor/assets/js/elementor-admin-bar.min.js?ver=3.2.3" id="elementor-admin-bar-js"></script>
965 <script src="http://localhost/ProjectHaryali/wp-includes/js/hoverintent.js.min.js?ver=2.2.1" id="hoverintent-js-js"></script>
966 <script id="admin-bar-js-before">
967 ( function() {
968     function wpforms_admin_bar_menu_init() {
969         var template = document.getElementById( 'tmpl-wpforms-admin-menubar-data' );
970         notifications = document.getElementById( 'wp-admin-bar-wpforms-notifications' );
971
972         if ( ! template ) {
973             return;
974         }
975
976         if ( ! notifications ) {
977             var menu = document.getElementById( 'wp-admin-bar-wpforms-menu-default' );
978             menu.insertAdjacentHTML( 'afterBegin', template.innerHTML );
979         } else {
980             notifications.insertAdjacentHTML( 'afterend', template.innerHTML );
981         }
982     };
983     document.addEventListener( 'DOMContentLoaded', wpforms_admin_bar_menu_init );
984 }() );
985 </script>
986 <script src="http://localhost/ProjectHaryali/wp-includes/js/admin-bar.min.js?ver=5.7.2" id="admin-bar-js"></script>
987 <script>
988 //trident[msie]/i.test(navigator.userAgent)&&document.getElementById&&window.addEventListener&&window.addEventListener("hashchange",function(){var t,e,location
989 </script>
990 </body>
991 </html>
992

```


Database of Project:

Filters
Containing the word:

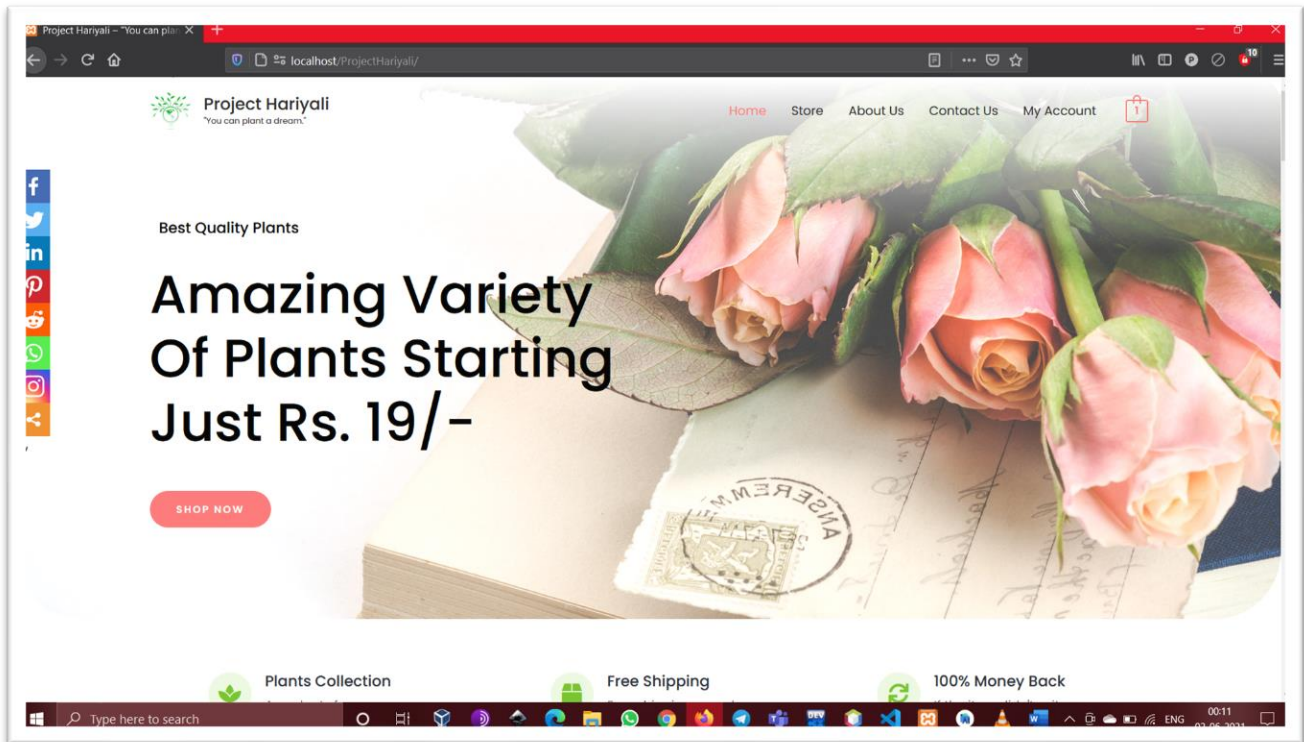
Table	Action	Rows	Type	Collation	Size
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wp_actionscheduler_claims	Browse	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB
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wp_cartflows_ca_cart_abandonment	Browse	1	InnoDB	utf8mb4_unicode_ci	32.0 KiB
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wp_commentmeta	Browse	2	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_comments	Browse	2	InnoDB	utf8mb4_unicode_ci	112.0 KiB
wp_links	Browse	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB
wp_options	Browse	461	InnoDB	utf8mb4_unicode_ci	6.1 MiB
wp_postmeta	Browse	1,843	InnoDB	utf8mb4_unicode_ci	5.4 MiB
wp_posts	Browse	257	InnoDB	utf8mb4_unicode_ci	1.6 MiB
wp_termmeta	Browse	9	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_terms	Browse	21	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_term_relationships	Browse	44	InnoDB	utf8mb4_unicode_ci	32.0 KiB
wp_term_taxonomy	Browse	21	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_usermeta	Browse	54	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_users	Browse	2	InnoDB	utf8mb4_unicode_ci	64.0 KiB
wp_wc_admin_notes	Browse	31	InnoDB	utf8mb4_unicode_ci	16.0 KiB
wp_wc_admin_note_actions	Browse	33	InnoDB	utf8mb4_unicode_ci	32.0 KiB

Filters
Containing the word:

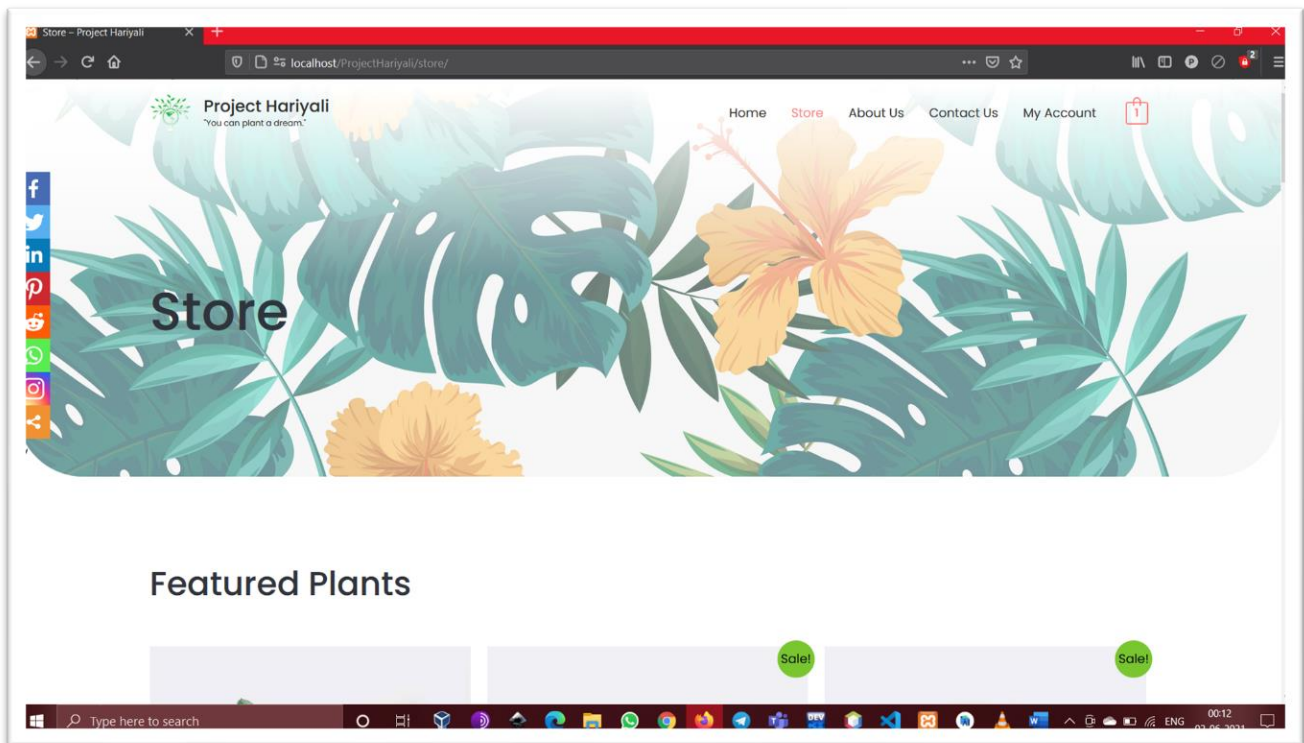
Table	Action	Rows	Type	Collation	Size
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wp_wc_order_product_lookup	Browse	0	InnoDB	utf8mb4_unicode_ci	128.0 KiB
wp_wc_order_stats	Browse	0	InnoDB	utf8mb4_unicode_ci	128.0 KiB
wp_wc_order_tax_lookup	Browse	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_wc_product_meta_lookup	Browse	12	InnoDB	utf8mb4_unicode_ci	112.0 KiB
wp_wc_reserved_stock	Browse	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB
wp_wc_tax_rate_classes	Browse	2	InnoDB	utf8mb4_unicode_ci	32.0 KiB
wp_wc_webhooks	Browse	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_woocommerce_api_keys	Browse	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB
wp_woocommerce_attribute_taxonomies	Browse	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB
wp_woocommerce_downloadable_product_permissions	Browse	0	InnoDB	utf8mb4_unicode_ci	192.0 KiB
wp_woocommerce_log	Browse	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB
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wp_woocommerce_payment_tokenmeta	Browse	0	InnoDB	utf8mb4_unicode_ci	64.0 KiB
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wp_wpforms_tasks_meta	Browse	195	InnoDB	utf8mb4_unicode_ci	16.0 KiB
wp_wpmailsmtp_tasks_meta	Browse	1	InnoDB	utf8mb4_unicode_ci	16.0 KiB
49 tables	Sum	3,806	InnoDB	utf8mb4_general_ci	15.9 MiB

Screenshot Of Project:

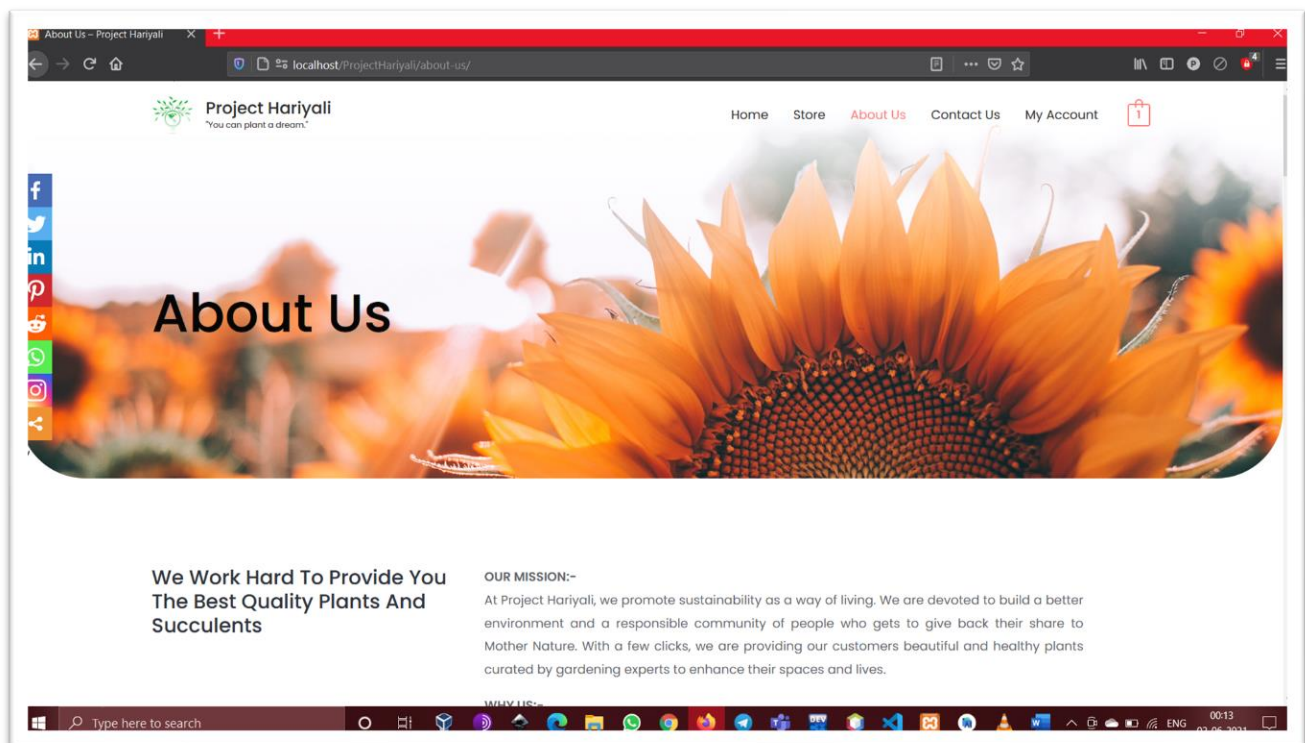
Home Page of Website (Project Hariyali) :



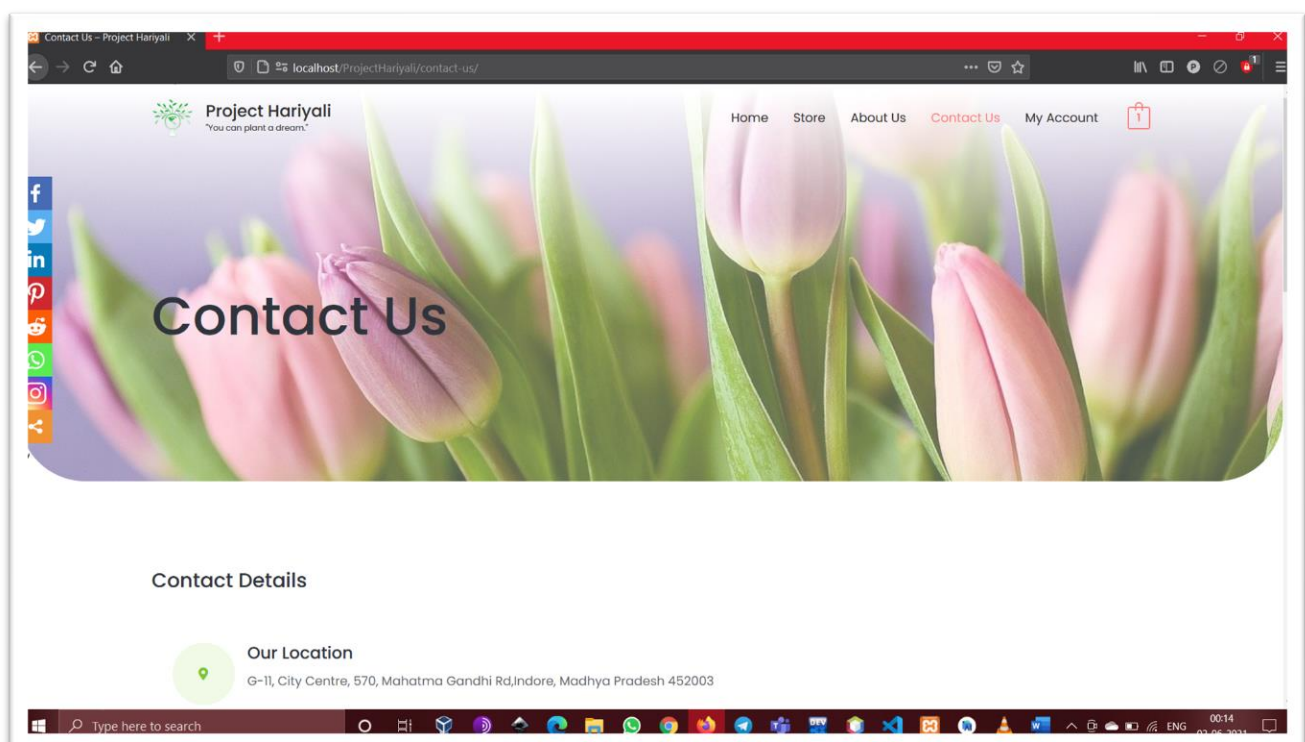
Store Page of Website (Project Hariyali) :



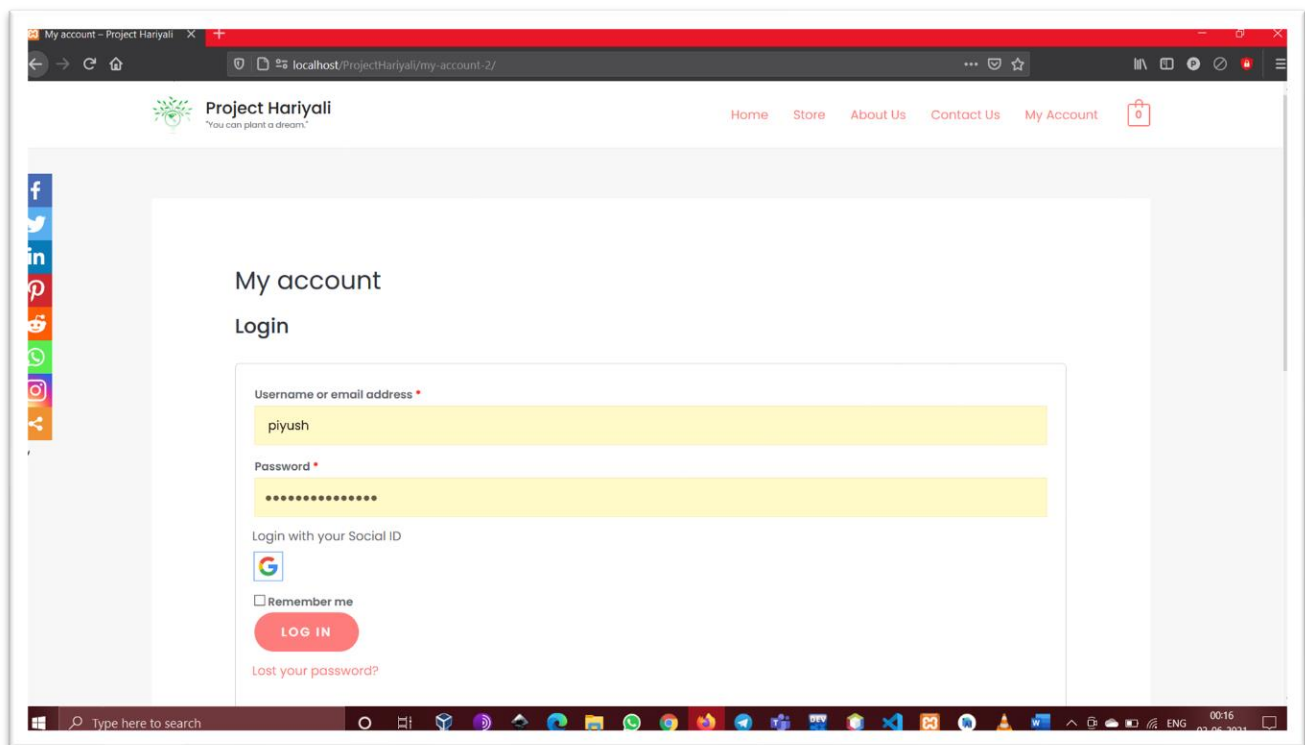
About Us Page of Website (Project Hariyali) :



Contact Us Page of Website (Project Hariyali) :



Login Page of Website (Project Hariyali) :



User Account Page of Website (Project Hariyali) :

