

VIT[®]
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AP

School Of Computer Science And Engineering
VIT-AP UNIVERSITY, INAVOLU, AMARAVATI

CSE3020
PRODUCT DEFINITION AND VALIDATION

PROJECT REPORT

Project Title :
GIFT STORE - SURPRISE EVERYONE

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TABLE OF CONTENTS

1. INTRODUCTION	2 - 4 (Pages)
1.1 - Introduction	2 (Page)
1.2 - Literature Survey	2 (Page)
1.3 - Problem Introduction	2 (Page)
1.4 - Modules In The Project	3 (Page)
1.5 - Test Cases	3 - 4 (Pages)
2. REQUIREMENTS SPECIFICATION	5 (Page)
2.1 - Hardware Requirements	5 (Page)
2.2 - Software Requirements	5 (Page)
3. ANALYSIS	6 (Page)
3.1 - Existing System	6 (Page)
3.2 - Proposed System	6 (Page)
3.3 - Feasibility Study	6 (Page)
4. DESIGN	7 - 12 (Pages)
4.1 - Software Architecture Diagram	7 (Page)
4.2 - UML Diagrams Of Our Project	8 - 12 (Pages)
5. CONCLUSION	13 (Page)
6. PROJECT SCREENSHOTS	13 - 19 (Pages)

1. INTRODUCTION

1.1 - Introduction :

GIFT STORE - Surprise Everyone web application is intended to provide a complete solution for vendors as well as customers through a single getaway using the internet as the sole medium. It will enable vendors to sell their products through the online store directly to the customers without any mediators. And customers can browse through the online store and buy whatever they want without having to visit the store physically. This document is meant to delineate the features of the Gift Store, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other.

1.2 - Literature Survey :

- Problem Definition : This project is an application that allows users to purchase gifts online, send greetings, and plan events.
- Understand the Root Causes : Current systems include a lot of paperwork and manual labor; this can be fixed by automating the process with a web-based GUI.
- Identify the Stakeholders and Users :
 - Stakeholders - admin, developers, target audience, funders, clients.
 - Users - Main target audience is anyone who is fluent using a smartphone (<55 years old).
- Identifying the constraints to be imposed on the solution :
 - Customers without Internet Access.
 - Information Privacy.
 - Lockdown in India, Pandemic Situations, Increase in Petrol/Diesel Prices for Product Delivery.

1.3 - Problem Introduction :

People must travel and walk to many physical stores and spend a lot of time buying gifts for any occasion or event. They must also compose emails / letters to send wishes to their loved ones. And we all want to surprise our loved ones, which is possible with the event planners module, which allows users to plan for an event and later on the team will contact you. This project is an application that allows users to purchase gifts online, send greetings with a click, and plan events. Current systems include a lot of paperwork and manual labor; this can be fixed by automating the process with a web-based GUI.

1.4 - Modules in the Project :

- User Sign-Up : Name, Email, Password, Contact, City, Address.
- User Login : Email, Password.
- Buy Gifts : Birthday, Valentines, Anniversary, Combo Packs, Flower Bouquets, Add to Cart, Modify Cart, View Orders.
- Send Greetings : Occasion, Greetings, Email Service.
- Plan Events : Date, Location, Event Name, Advance Booking.
- User Logout : Delete Session, Cookies and Logout.

1.5 - Test Cases :

1. General Test Cases :

- Verify that the application's user interface (UI) is responsive, meaning that it will adjust to various screen resolutions and devices.
- Check that the webpages and all input fields are genuine, sanitized, and have a minimum and maximum length everywhere, showing without a break in different browsers.
- To utilize all of the services, a user must be logged in. Examine whether any users who are not logged in may not access the system.

2. Sign-Up Page :

- Check that the sign-up page includes components such a Name, Email, Password, Contact, City, Address, Sign up button, and a link to login to the system if already registered.
- Determine whether the user attempting to register is already a user. As a result, he or she must log into the system.

3. Login Page :

- Check that the login page has features such a Username, Password, Sign in button, and a link to establish an account.
- Confirm that the User can only log in with valid credentials. Otherwise, appropriately show the error message without revealing the session data.

4. Purchase Gifts Page :

- The user should be able to add items to the cart and ensure that they may be deleted, modified, and confirmed if needed.

5. Send Greetings Page :

- This system will employ PHPMailer, which is a third-party programme that stakeholders should be familiar with. As a result, ensure the mistakes are dealt with properly.

6. Create an Event Page :

- When a user registers for an event, communicate the details and save them in a database for later use.

7. User Logout :

- When a user logs out, delete the whole session, cookies, and correctly redirect him/her to the login page without page breaks or other issues.

2. REQUIREMENTS SPECIFICATION

2.1 - Hardware Requirements :

- Intel Core i5 3rd Gen Processor (i5 3450 3.1 GHz) or above. (Depends on the number of clients).
- RAM - 2GB or above.
- OS - Windows 7 (all editions) or Windows 8 or Windows 10.

2.2 - Software Requirements :

S.No.	Tools / Technology Needed	Description And Uses	Category
1	HTML5	Appearance of Website.	Frontend
2	CSS3	Adding Style And Presentation to the Web Pages.	Frontend
3	JavaScript, jQuery, Ajax	Adding Interactive User Behaviour to Web Pages.	Frontend
4	Bootstrap	Frontend Framework Used for UI.	Frontend
5	XAMPP (Apache Server)	Helps a local host or server to test its website and clients via computers and laptops before releasing it to the main server.	Server / Control Panel
6	SQL / MySQL	Store very large numbers of records efficiently.	Database
7	PHP	Server-side language that could be embedded into HTML, making it easier to add functionality to web pages without needing to call external files for data.	Backend
7	Visual Studio Code	A Code Editor redefined, optimised for building, debugging web apps.	Code Editor
8	Chrome	A Cross - Platform Web Browser.	Software

3. ANALYSIS

3.1 - Existing System :

- Current software does not integrate all three components - Buy Gifts, Send Greetings, and Plan Events.
- We also can't customize the gifts according to our preferences in the current systems.
- Current applications are extremely sluggish, and servers are occasionally unavailable owing to high network load.
- Traveling and walking to several physical stores and spending a lot of time is difficult for the user.

3.2 - Proposed System :

- Completely automated.
- There is no or very little paperwork.
- It is simple for the user to purchase items from their current location with a single click.
- No need to prepare and organize schedules for any occasions/events because the event planners will take care of everything.
- Easy to send greetings to your loved ones just with a click.
- This product aims to save users time and is user-friendly, making it simple to choose services and cherish memories.

3.3 - Feasibility Study :

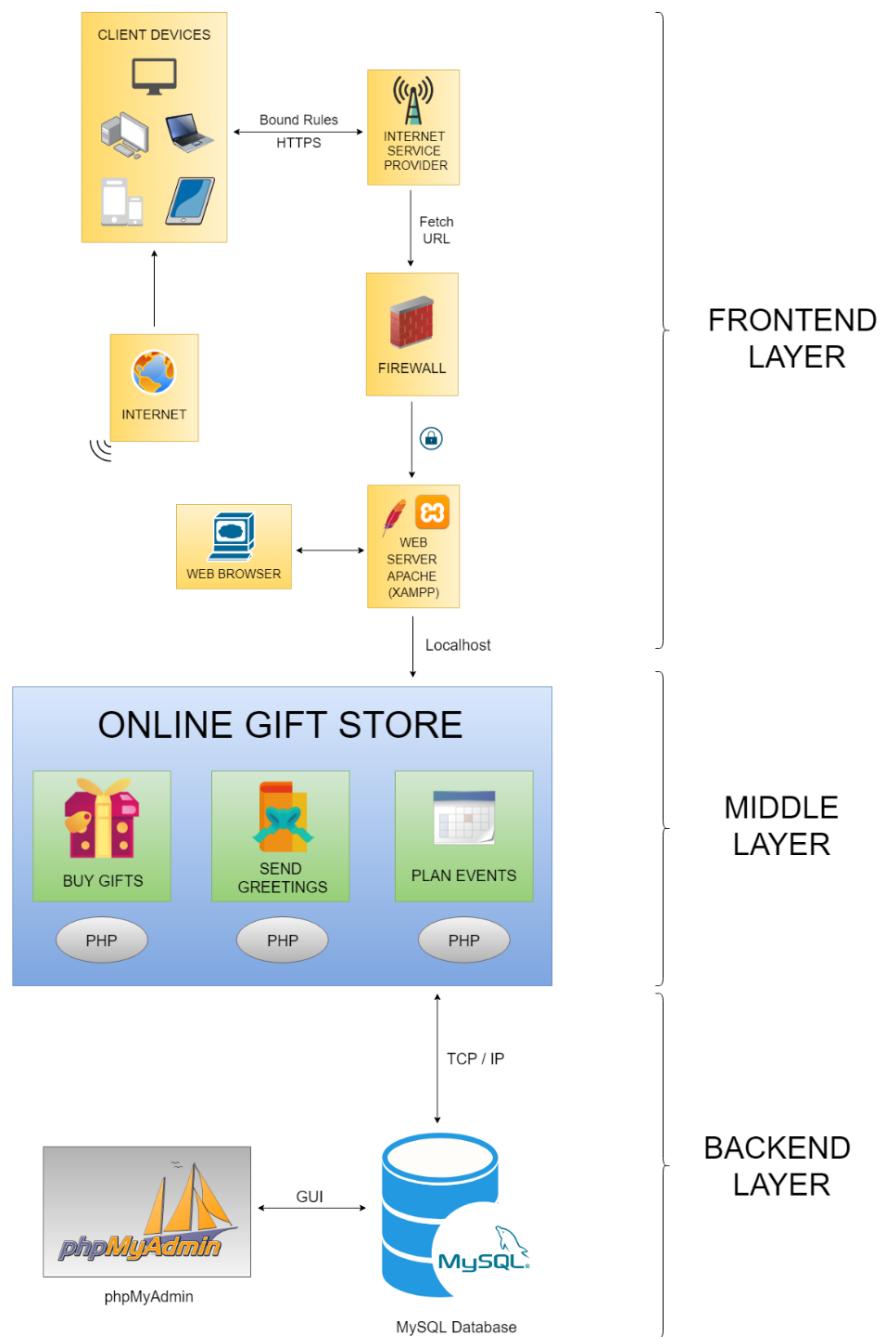
Buying Gifts, Sending Greetings, and Planning an Event are the three main things that Gift Store provides to its consumers.

Coming to the Methodology, we are outlined to use INCREMENTAL MODEL belonging to the Software Development Lifecycle of Software Engineering.

Implementing it with our application, we are segregating the application into 3 modules and every subsequent release of the module adds function to the previous release. Each module release includes, Requirement Analysis, Design & Development, Testing, Implementation respectively.

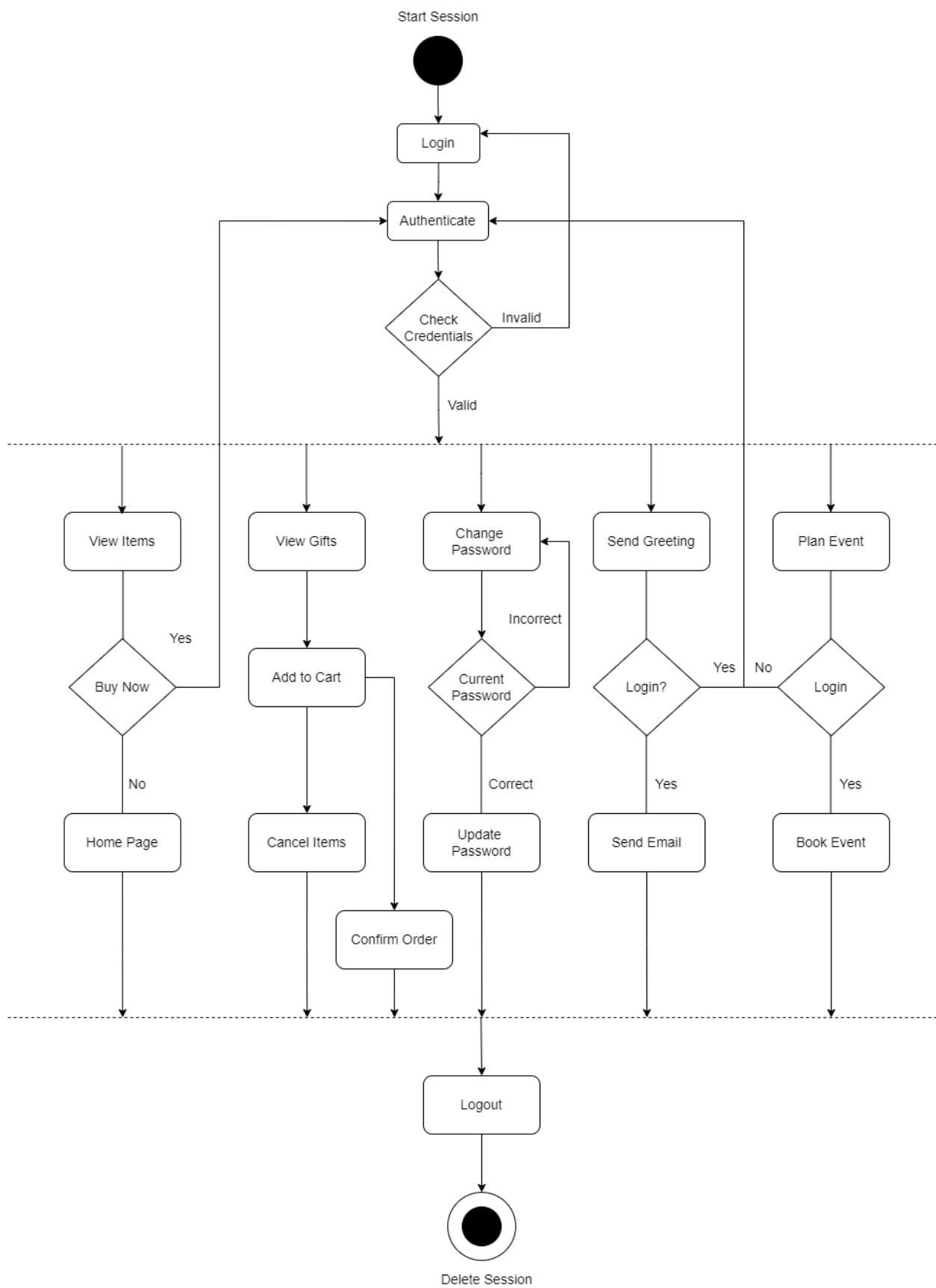
4. DESIGN

4.1 - Software Architecture Diagram :

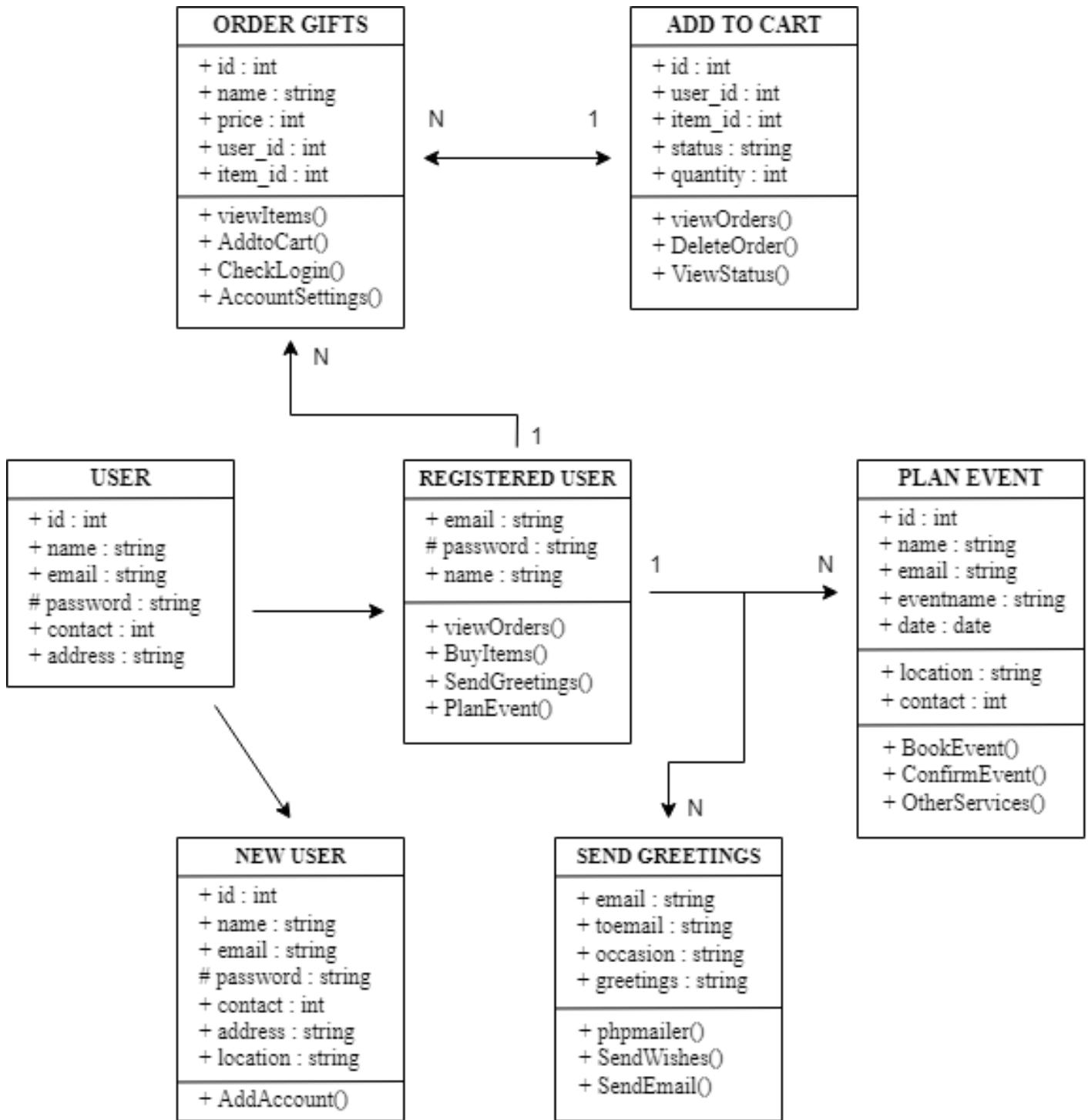


4.2 - UML Diagrams of our project :

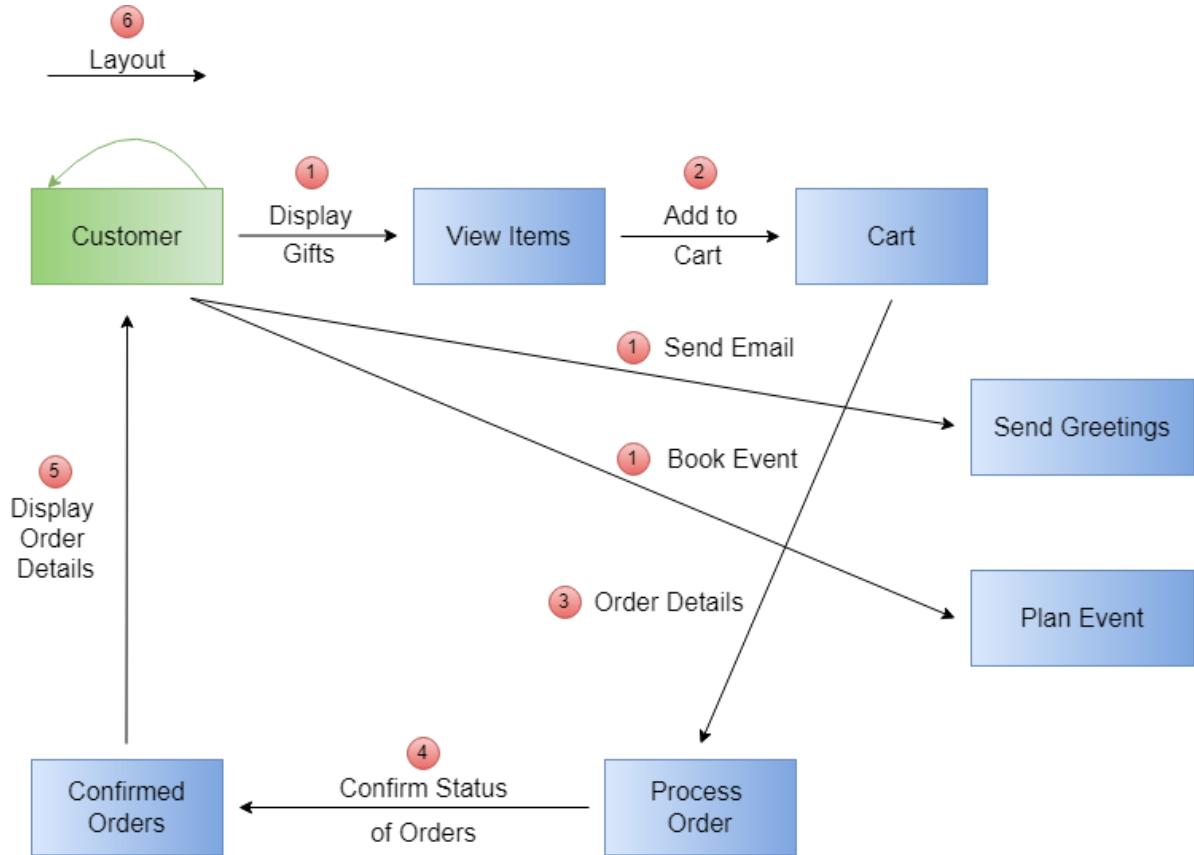
Activity Diagram :



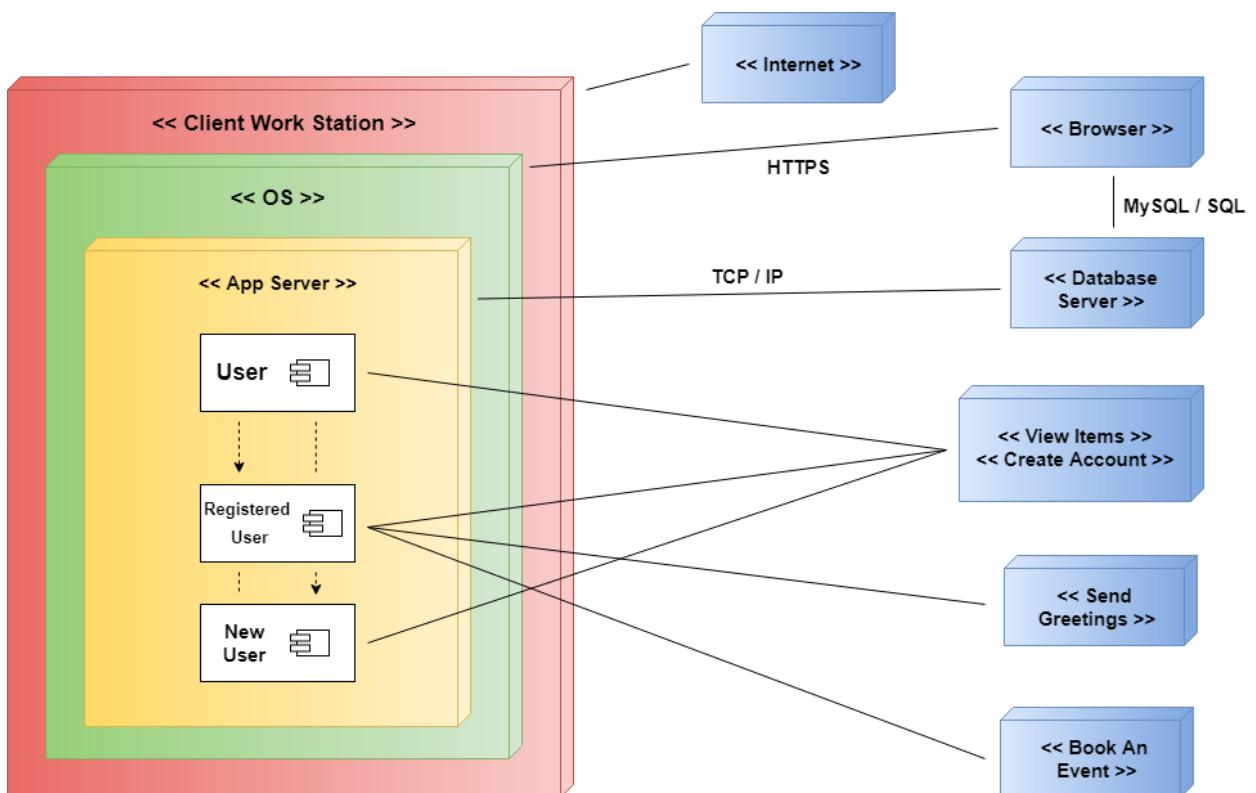
Class Diagram :



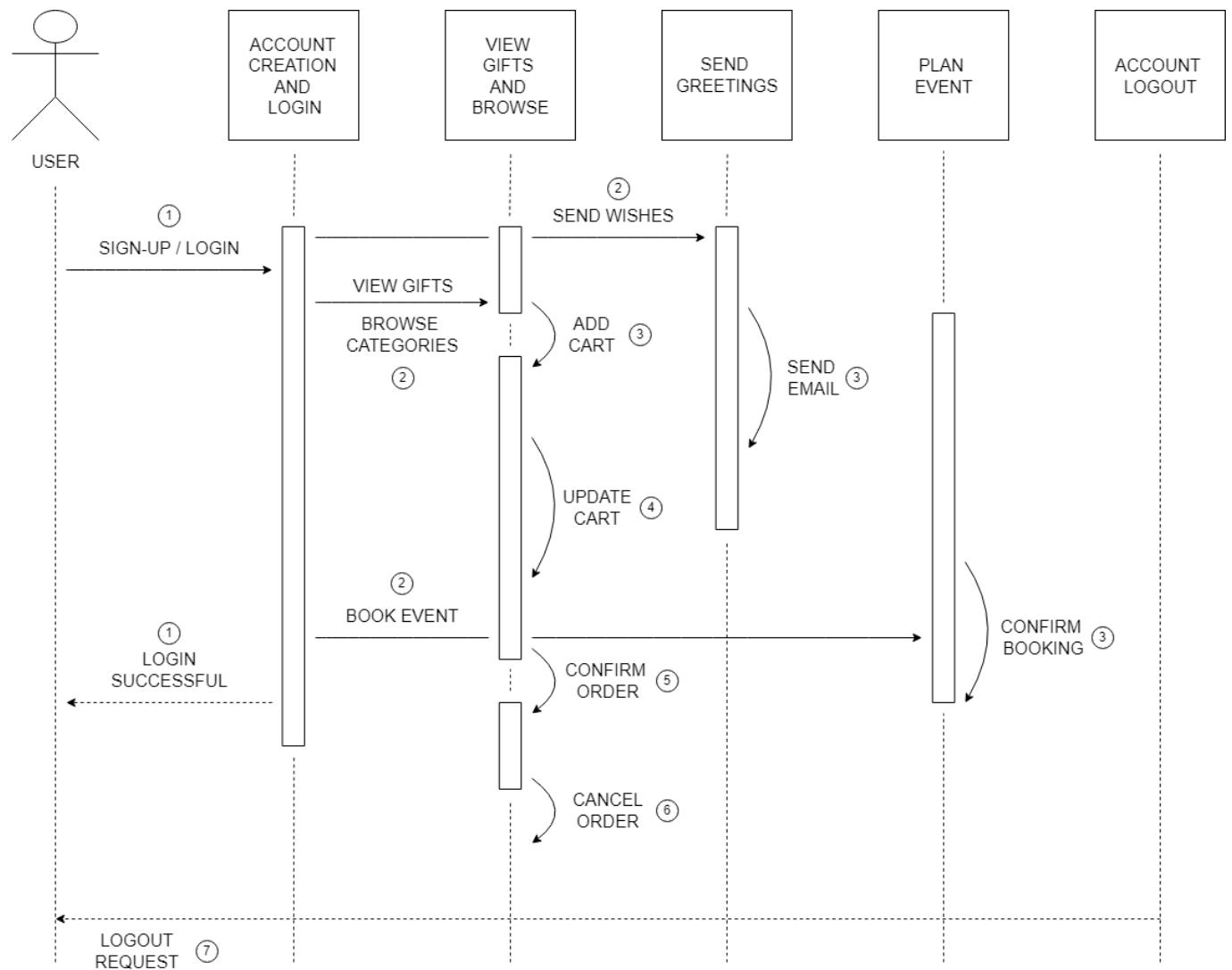
Collaboration Diagram :



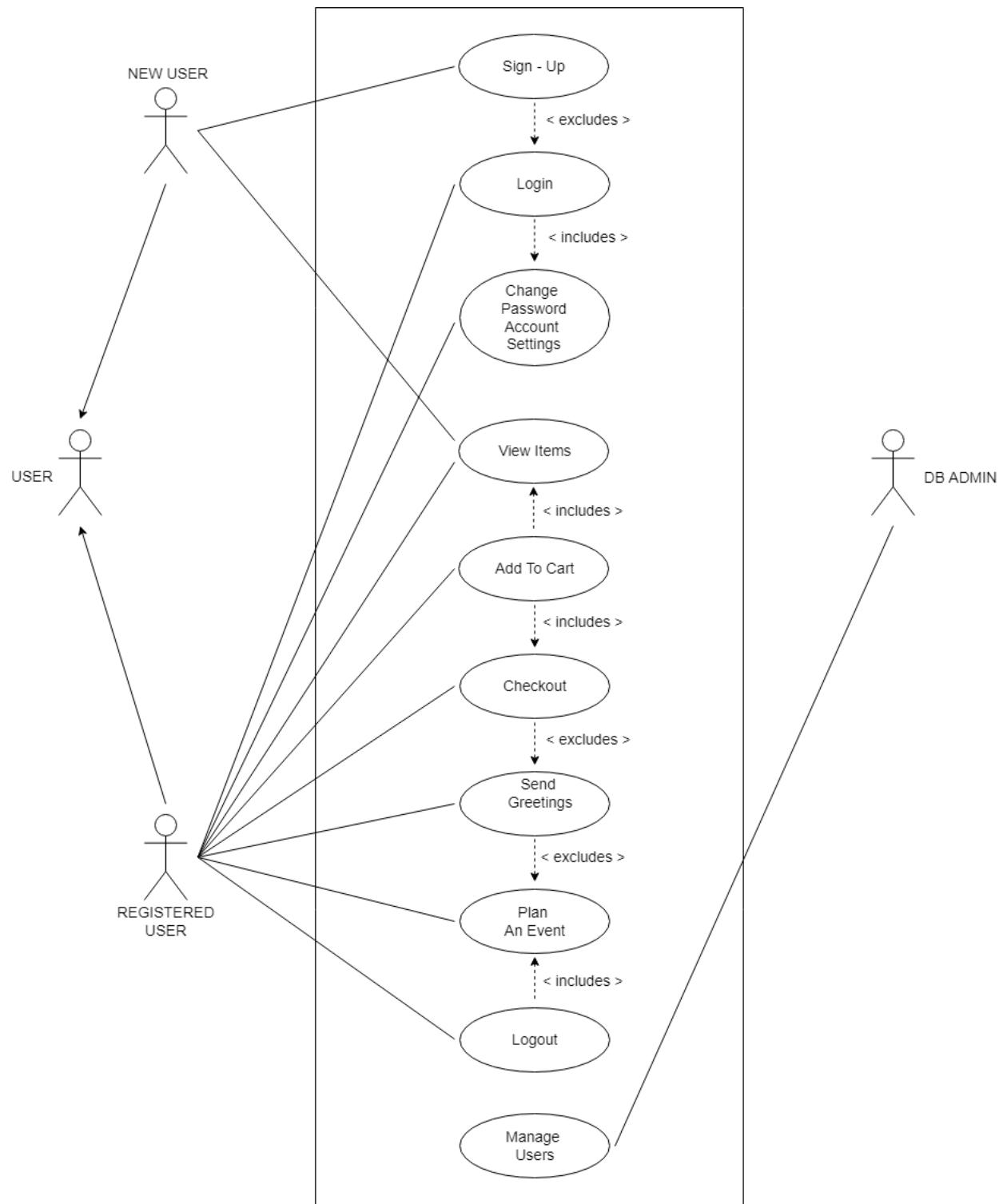
Deployment Diagram :



Sequence Diagram :



Use Case Diagram :

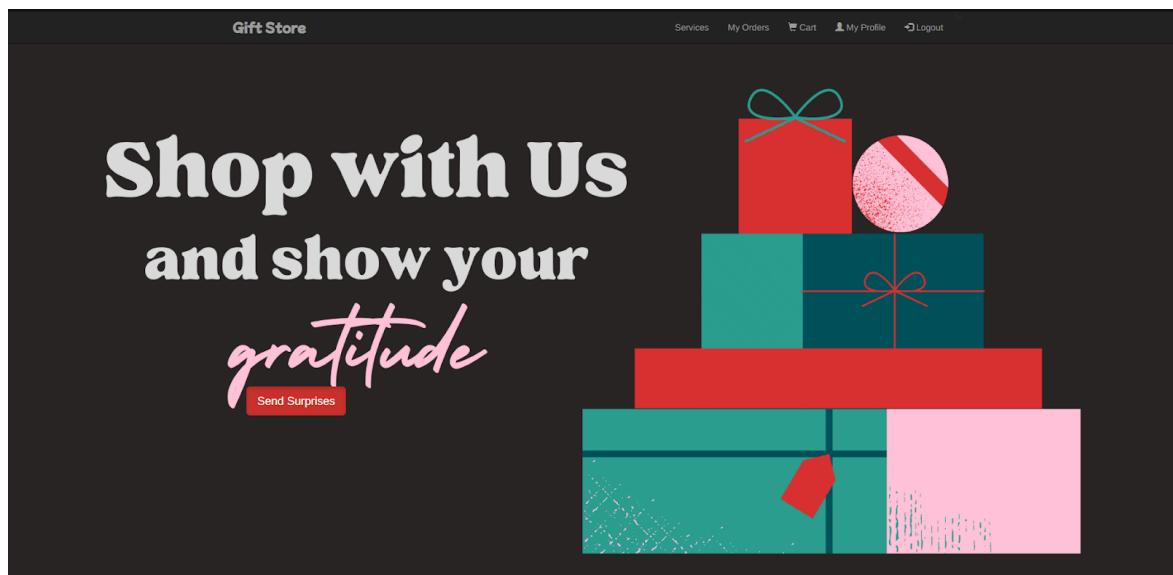


5. CONCLUSION

This Gift Shop is always present where 'Words Aren't Enough...' We understand how essential it is to communicate your emotions with the same passion that your presence would have given to the event. Our motto is to put a smile on your face and to be the best messenger possible. Our delighted consumers determine our success.

6. PROJECT SCREENSHOTS

Home Page :

A screenshot of the "Gift Store" website's home page, showing three main categories: "Order Gifts", "Send Greetings", and "Plan Surprises".

- Order Gifts:** An image of many colorful wrapped gifts.
- Send Greetings:** An image of an envelope with a card that says "VIRTUAL HUG" and "To My Loved One".
- Plan Surprises:** An image of a group of people gathered around a table with a cake, suggesting a birthday celebration.

The page also features a section titled "ABOUT US" with a paragraph of placeholder text (Lorem ipsum) and a "CATEGORIES" section above the three boxes.

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CATEGORIES



Order Gifts



Send Greetings



Plan Surprises

Gift Store

Lore ipsum dolor sit amet consectetur adipiscing elit. Porro deserunt sint assumenda? Modi, minima quos, doloribus autem animi voluptatibus sit paratur facere laboriosam eveniet hic. Minus repellendus amet a quae laudantium, numquam dolorem sit, suscipit mollitia sunt commodi quos. Doloribus!

Connect at

gudi.varaprasad@gmail.com

+91 968745236521

f t i n

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Sign - Up :

SIGN UP

Name

Email

Password

Contact

City

Address

Login :

LOGIN

Login to make a purchase

Email

Password

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

Buy Gifts Interface :

The screenshot shows the homepage of a gift store. At the top center is a large "GIFT STORE" logo. Below it, a banner says "Send Gifts to your loved ones!". There are three main categories displayed in boxes:

- Birthday Gifts**: Features a white mug with a "Happy Birthday Azlan" design. Description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Accusamus recusandae consequuntur perspicatis sit. Quasi, nulla?". Price: Rs.1999.99. Button: "Added to cart".
- Anniversary Gifts**: Features a decorative arrangement with a crown-shaped monogram "KQ". Description: "Lorem ipsum dolor sit amet consectetur, adipisicing elit. Eos, quae repellendus voluptas aliquam illum deleniti.". Price: 2499.99. Button: "Added to cart".
- Valentine Gifts**: Features a heart-shaped box filled with chocolates. Description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Architecto facilis eveniet, sapiente nostrum qui ut.". Price: 4999.99. Button: "Added to cart".

The screenshot shows the homepage of a gift store. At the top center is a "Gift Store" logo. Below it, a banner says "Basket's". There are three main categories displayed in boxes:

- Corporate Gifts**: Features a bouquet of purple and blue flowers. Description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Blanditiis quisquam qui suscipit corrupti similique unde.". Price: 1299.99. Button: "Added to cart".
- Combo Pack**: Features a combination of a cake, a bouquet of red roses, and various chocolates. Description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro, quibusdam perspicatis error praesentium dolores exercitationem.". Price: 4999.99. Button: "Added to cart".
- Chocolate Pack**: Features a tray of various chocolates and snacks. Description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro, quibusdam perspicatis error praesentium dolores exercitationem.". Price: 1699.99. Button: "Added to cart".

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My Orders :

The screenshot shows a dark-themed header for a website named 'Gift Store'. The header includes links for 'Services', 'My Orders', 'Cart', 'My Profile', and 'Logout'. Below the header, a message 'No orders available!' is displayed.

Cart :

The screenshot shows a table of items in the shopping cart. The columns are 'Item Number', 'Item Name', 'Cost', 'Quantity', and 'Amount'. Each row has a 'Remove' link. At the bottom, it shows a total amount of Rs.42200 and a red 'Proceed to Payment' button.

Item Number	Item Name	Cost	Quantity	Amount
7	Corporate Gifts	Rs. 1300	1	Rs. 1300
2	Anniversary Gifts	Rs. 2500	2	Rs. 5000
3	Valentine Gifts	Rs. 5000	2	Rs. 10000
1	Birthday Gifts	Rs. 2000	2	Rs. 4000
4	Baby Gifts	Rs. 1000	2	Rs. 2000
5	Delicious Cake	Rs. 500	3	Rs. 1500
6	Flower Bouquets & Baskets	Rs. 1100	3	Rs. 3300
8	Combo Pack	Rs. 5000	2	Rs. 10000
9	Chocolate Pack	Rs. 1700	3	Rs. 5100

The screenshot shows a confirmation message 'Your order is confirmed.' followed by a link 'Click [here](#) to view our services.'

View Orders :

The screenshot shows a table of 9 items with columns: Item Number, Item Name, Cost, Quantity, and Amount.

Item Number	Item Name	Cost	Quantity	Amount
7	Corporate Gifts	Rs. 1300	1	Rs. 1300
2	Anniversary Gifts	Rs. 2500	2	Rs. 5000
3	Valentine Gifts	Rs. 5000	2	Rs. 10000
1	Birthday Gifts	Rs. 2000	2	Rs. 4000
4	Baby Gifts	Rs. 1000	2	Rs. 2000
5	Delicious Cake	Rs. 500	3	Rs. 1500
6	Flower Bouquets & Baskets	Rs. 1100	3	Rs. 3300
8	Combo Pack	Rs. 5000	2	Rs. 10000
9	Chocolate Pack	Rs. 1700	3	Rs. 5100

My Profile :

The screenshot shows a 'Change Password' form with fields for Old Password, New Password, and Re-type New Password, along with a Change button.

Change Password

Old Password

New Password

Re-type New Password

Change

Send Greetings Interface :

The screenshot shows a 'Send Greetings' interface with fields for To, From, Subject, and a Greetings text area, along with a Send Greetings button.

Send Greetings

To: Enter Email address

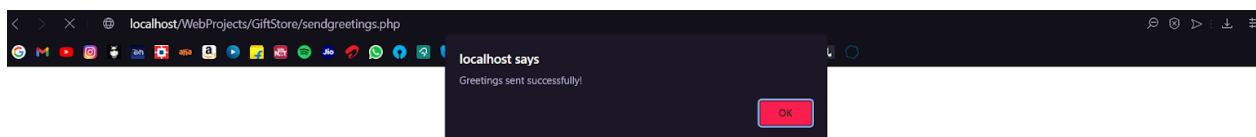
From: krishpalaparthy6768@gmail.com

Subject: Enter Subject / Title

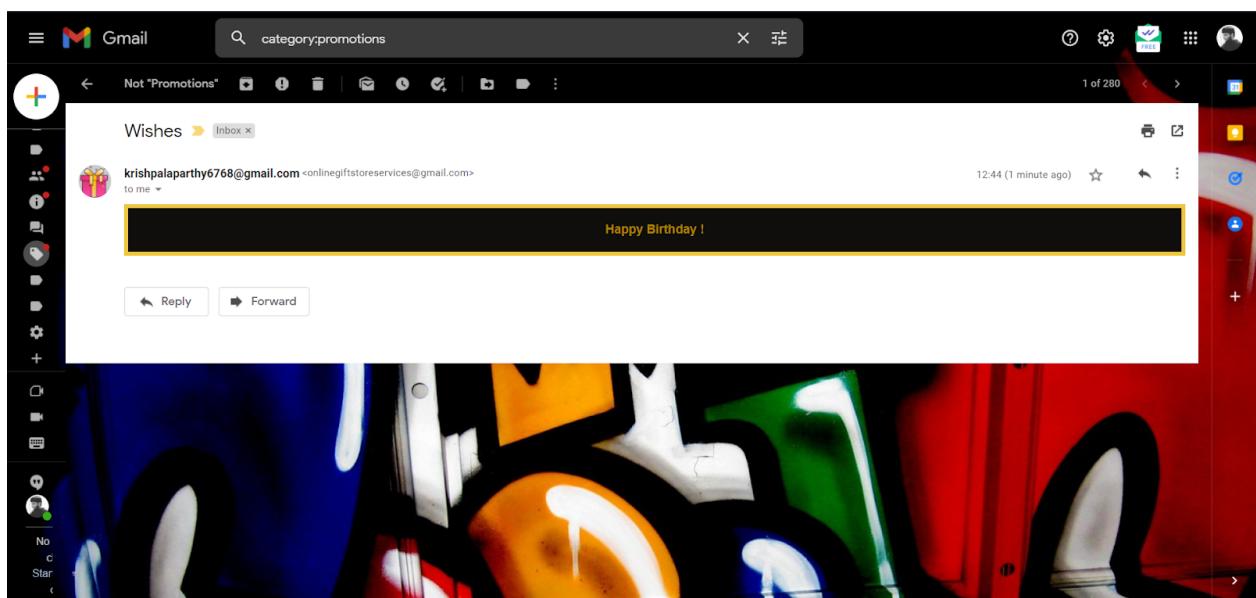
Greetings

Send Greetings

Greetings Sent Successfully Message :



Greetings Received From The Receiver :



Plan Event Interface :

A screenshot of the "Gift Store" website. At the top, there is a navigation bar with links for "Services", "My Orders", "Cart", "My Profile", and "Logout". Below the navigation, a banner reads "Celebrate with Us and Cherish your Memories!". A section titled "Event Planners" features a small image of people at a party and a green "Book now" button. A footer at the bottom states "Developed by with ❤ by TSP Team 1".

Gift Store

Services My Orders Cart My Profile Logout

Event Planners

The Surprise Planner is an Event planner and Decoration that provides the best decoration for balloon decoration, home surprises, candlelight dinners, Birthday surprises, anniversaries, couple parties, love proposals, weddings, rooftop dinners, and romantic experiences. We have a great team of well-experienced professionals in their work. The best thing is that we provide services according to your budget, i.e; an affordable price. We care about your love and feelings, so we decorate your destination to the best. We provide a plethora of services across India. Apart from decoration, we also provide rooms, party hall, space for a convention, etc. at the best prices.

Pay Advance and Get in touch with us **Price: Rs.10999.99**

Price	Rs.10999.99
Your Name	Enter your name
Email Address	krishpalaparthy6768@gmail.com
Phone Number +91	9912203037
Event Name	Enter your name
Location	MH - 1, VIT-AP UNIVERSITY, INAVOLU, AMARAVATI
Event Date	dd-mm-yyyy
Book now	

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Event Registration :

Gift Store

Services My Orders Cart My Profile Logout

Event Planners

The Surprise Planner is an Event planner and Decoration that provides the best decoration for balloon decoration, home surprises, candlelight dinners, Birthday surprises, anniversaries, couple parties, love proposals, weddings, rooftop dinners, and romantic experiences. We have a great team of well-experienced professionals in their work. The best thing is that we provide services according to your budget, i.e; an affordable price. We care about your love and feelings, so we decorate your destination to the best. We provide a plethora of services across India. Apart from decoration, we also provide rooms, party hall, space for a convention, etc. at the best prices.

Pay Advance and Get in touch with us **Price: Rs.10999.99**

Price	Rs.10999.99
Your Name	Ramakrishna
Email Address	krishpalaparthy6768@gmail.com
Phone Number +91	9912203037
Event Name	Birthday Celebration
Location	MH - 1, VIT-AP UNIVERSITY, INAVOLU, AMARAVATI
Event Date	01-04-2022
Book now	

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Event Registration Completed :

