Project Report on

A ONLINE EVENT WEBSITE-HILI EVENT PLANNER

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This Project Report was submitted to the Department of Software Engineering (SWE) at Daffodil International University in order to fulfill the requirements for obtaining a Bachelor's degree in Software Engineering.

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APPROVAL

APPROVAL

This project titled on "**Hili Event Planner**", submitted by **Al Shams Shihab (ID: 182-35-2554)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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DECLARATION

I hereby declare that the execution of this project was carried out under the supervision of Mr. Md. Khaled Sohel, Assistant Professor in the Department of Software Engineering at Daffodil International University. This project, a prerequisite for the completion of my B.Sc. in Software Engineering degree, is a project of my own original effort. I declare explicitly that neither the entirety of this work nor any specific part of it has been presented as a requirement for any other degree, either within this university or at any other educational institution.

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ACKNOWLEDGEMENT

In the vast realm of the digital landscape, my endeavor, "Hili Event Planner - An Online Event Management System" stands as a bridge between theoretical knowledge and practical application, weaving a narrative that seamlessly integrates academia and real-world implementation. This project has been an exhilarating journey, and I have derived immense satisfaction from its development.

I wish to express my profound gratitude to the Almighty Allah, whose benevolent blessings have illuminated my path and bestowed upon me the health and resilience necessary to successfully bring this project to fruition. Without the divine grace, this venture would not have achieved its triumphs.

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To all those mentioned above and to any unsung heroes who have played a role in supporting me during the creation of "Hili Event Planner," I extend my sincere thanks. Your contributions have been integral to the realization of this innovative online event management platform. Thank you for being a vital part of this enriching and transformative journey.

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ABSTRACT

"Hili Event Planner" is an innovative online event management system designed to streamline and enhance the event planning process. The user interface allows customers to browse and select from various event packages, including Social, Wedding, Corporate, and Sport packages. Users can conveniently place orders by adding chosen packages to their cart. The system incorporates a responsive and dynamic front end using Tailwind CSS,React JS and DaisyUI ensuring an engaging user experience. On the back end, Node JS, Express JS, and MongoDB work in unison to manage orders, providing seamless confirmation by the admin. The inclusion of a demo payment system adds a practical dimension to the project. With a mission to elevate event management through online platforms, "Hili Event Planner" represents a comprehensive solution that provides a more efficient and user-friendly event planning experience.

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CHAPTER - 1
INTRODUCTION

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1.1 Project Overview

"Hili Event Planner" is a online event management system aimed at optimizing and enhancing the entire event planning process. This comprehensive solution combines a user-friendly interface with a robust backend infrastructure to offer customers a seamless and engaging experience. The system is designed to cater to various event types, including Social, Wedding, Corporate, and Sport packages, ensuring versatility in meeting diverse customer needs.Users can conveniently place orders by adding their chosen event packages to the cart, streamlining the ordering process for a hassle-free experience.Admin can confirm the orders,modify the packages and check the payment section.The project aims to set new standards in the field of event management systems.

1.2 Motivation

The motivation behind the development of "Hili Event Planner" stems from a deep-seated commitment to revolutionize the traditional approach to event management. In today's fast-paced world, where digital transformation is reshaping various industries, the event management sector is ripe for innovation. Recognizing the need for a more efficient, user-friendly, and accessible platform, our project seeks to address the challenges and constraints faced by both event organizers and participants.

- Enhancing User Experience
- Adapting to Modern Trends
- Simplifying Processes with Technology
- Setting New Standards

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1.3 Project Purpose

The "Hili Event Planner" project seeks to revolutionize event management by creating a streamlined online platform. This user-friendly system allows customers to easily explore and order event packages. Simultaneously, administrators gain efficient tools to manage orders, update packages, and ensure a secure online payment process, simplifying the overall event planning experience.The key goals of the project include:

- Create an intuitive and user-friendly interface for customers to easily navigate through the available event packages.
- Enable users to add selected packages to their cart and proceed with a straightforward order placement process.
- Implement distinct event packages such as social, wedding, corporate, and sport, catering to a broad range of customer needs.
- Ensure that each package is clearly defined with its unique features, services, and pricing.
- Implement a secure and reliable online payment system to facilitate seamless transactions for customers.
- Provide tools for administrators to manage and track orders, ensuring timely processing and delivery of services.
- Allow administrators to update package details, including pricing, services offered, and availability.

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1.4 Proposed System Model

The model is crafted for simulating system architecture, prioritizing a user-friendly design for a seamless and intuitive experience.

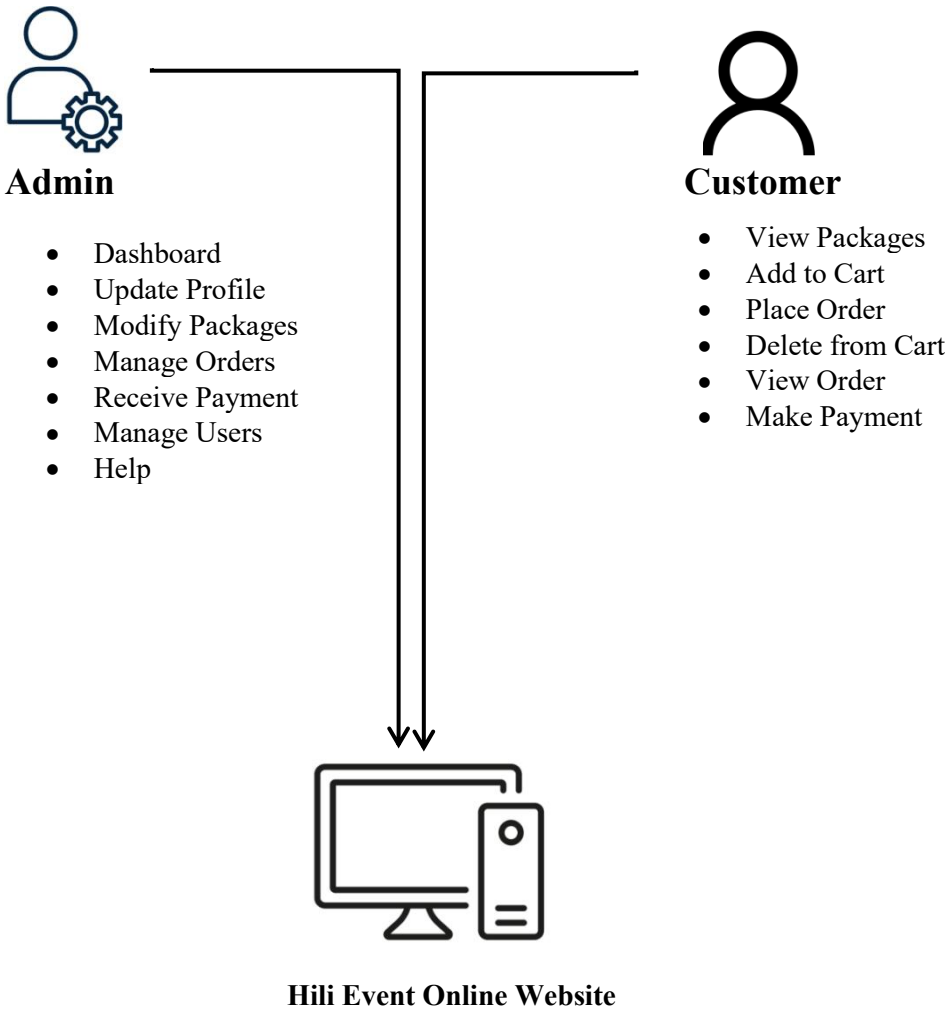

Figure 1.4: Proposed System Model

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CHAPTER - 2
SYSTEM ANALYSIS

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2.1 Feasibility Analysis

Feasibility analysis is a systematic assessment and evaluation of the practicality, viability, and potential success of a proposed project or system. It involves examining various aspects, such as technical, operational, economic, and legal considerations, to determine whether the project is feasible and worth pursuing.

Technical Analysis

The technical feasibility analysis for the "Hili Event Planner" project indicates a favorable outlook. The chosen technologies, including React, Node.js, Express.js, and MongoDB, demonstrate compatibility, scalability, and security. The architecture is well-equipped to handle user interactions, database operations, and third-party integrations efficiently. Overall, the technical infrastructure is robust, providing a solid foundation for successful project development and growth.

Operational Feasibility

The operational feasibility analysis for the "Hili Event Planner" project is positive. The system exhibits user-friendly features, minimal training requirements, seamless integration with existing business processes, and an effective customer support mechanism. The overall operational framework ensures a smooth and efficient transition to the online event management system, contributing to the project's success.

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2.2 Functional Requirement

Functional requirements are specifications that describe the essential capabilities, features, and behaviors that a software system or product must have to meet the intended purpose and satisfy the needs of its users. These requirements define what the system is supposed to do in terms of its functionality and operations.

The Functional requirement of "Hili Event Planner" project are-

- Registration
- Login
- View Package
- Add to Cart
- Place Order
- Payment Method
- Modify Package
- Manage Order
- Receive Payment
- Help
- Event Inspiration Gallery

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2.2 Functional requirement

FR 01	Registration
Descriptions	Customers must be register to enter the system
Stakeholders	Customer
FR 02	Login
Descriptions	Customers and Admin both need to login
Stakeholders	Customer,Admin
FR 03	View Packages
Descriptions	Customers can see the packages
Stakeholders	Customers
FR 04	Add to Cart
Descriptions	Customers can add their desire package in cart
Stakeholders	Customer
FR 05	Place Order
Descriptions	Customer can place their order with information
Stakeholders	Customers
FR 06	Confirm Order
Descriptions	Admin will confirm order place by the customer
Stakeholders	Admin
FR 07	Payment Method
Descriptions	Customers can make their payment through cash or banking system
Stakeholders	Customer
FR 08	Cancel Order
Descriptions	Admin can cancel the order
Stakeholders	Admin
FR 09	Receive Payment
Descriptions	Admin receive the payment for package
Stakeholders	Admin
FR 10	Modify Packages
Descriptions	Admin can add and remove the packages of the system
Stakeholders	Admin
FR 11	Help
Descriptions	Customers can get help by Admin
Stakeholders	Admin,Customer
FR 12	Event Inspiration Gallery
Descriptions	Admin will upload some thoughts about events and upload the recent works with photos and videos.Customer can view the posts and share their thoughts about event planning.
Stakeholders	Customer,Admin

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2.3 Non-Functional Requirement

Non-functional requirements, also known as quality attributes or system qualities, are specifications that describe the characteristics and constraints that define how a software system should behave, rather than specifying specific behaviors or features.

The Non-Functional requirement of "Hili Event Planner" project are-

- Availability
- Reliability
- Maintainability
- Security
- Usability

2.3 Non-Functional requirement

NFR 01	Availability
Descriptions	The system is always available for customer and admin
Stakeholders	Customer,Admin
NFR 02	Reliability
Descriptions	The software system functions consistently and without any kinds of error
Stakeholders	Admin
NFR 03	Maintainability
Descriptions	Admin can easily maintain data and other things of this system
Stakeholders	Admin
NFR 04	Usability
Descriptions	The system is easy to use and easy to handle by the user and admin
Stakeholders	Customer,Admin
NFR 05	Security
Description	The system has robust authentication mechanisms to verify the identity of customer and admin.
Stakeholders	Customer,Admin

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CHAPTER - 3
SYSTEM DESIGN

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3.1 Development Model

The chosen software development life cycle (SDLC) for the "Hili Event Planner" project is the Agile model, which seamlessly integrates both iterative and incremental processes. This approach is strategically designed to prioritize adaptability and customer satisfaction through the swift delivery of functional software products.

The Agile Software Development Life Cycle (SDLC) employs iterative cycles known as sprints, emphasizing constant feedback and adaptability. It centers on customer satisfaction by delivering working software incrementally, promoting collaboration, and accommodating evolving requirements. Key stages involve creating a backlog, planning sprints, Code developing, continuous testing, conducting reviews, and retrospectives. This cyclical approach enables continuous improvement and ensures alignment with customer needs.

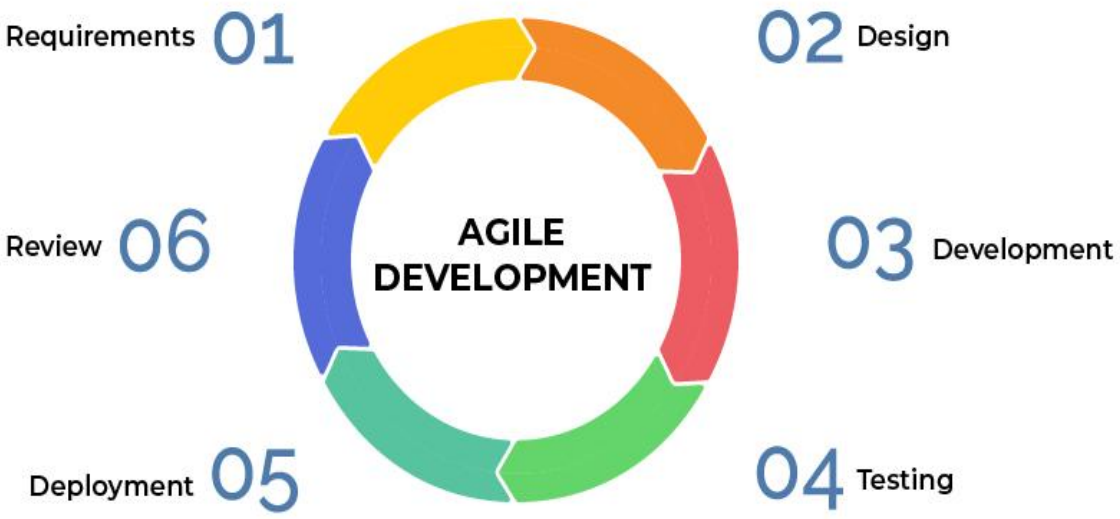

Figure 3.1: Agile SDLC development model

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3.2 Use Case Diagram

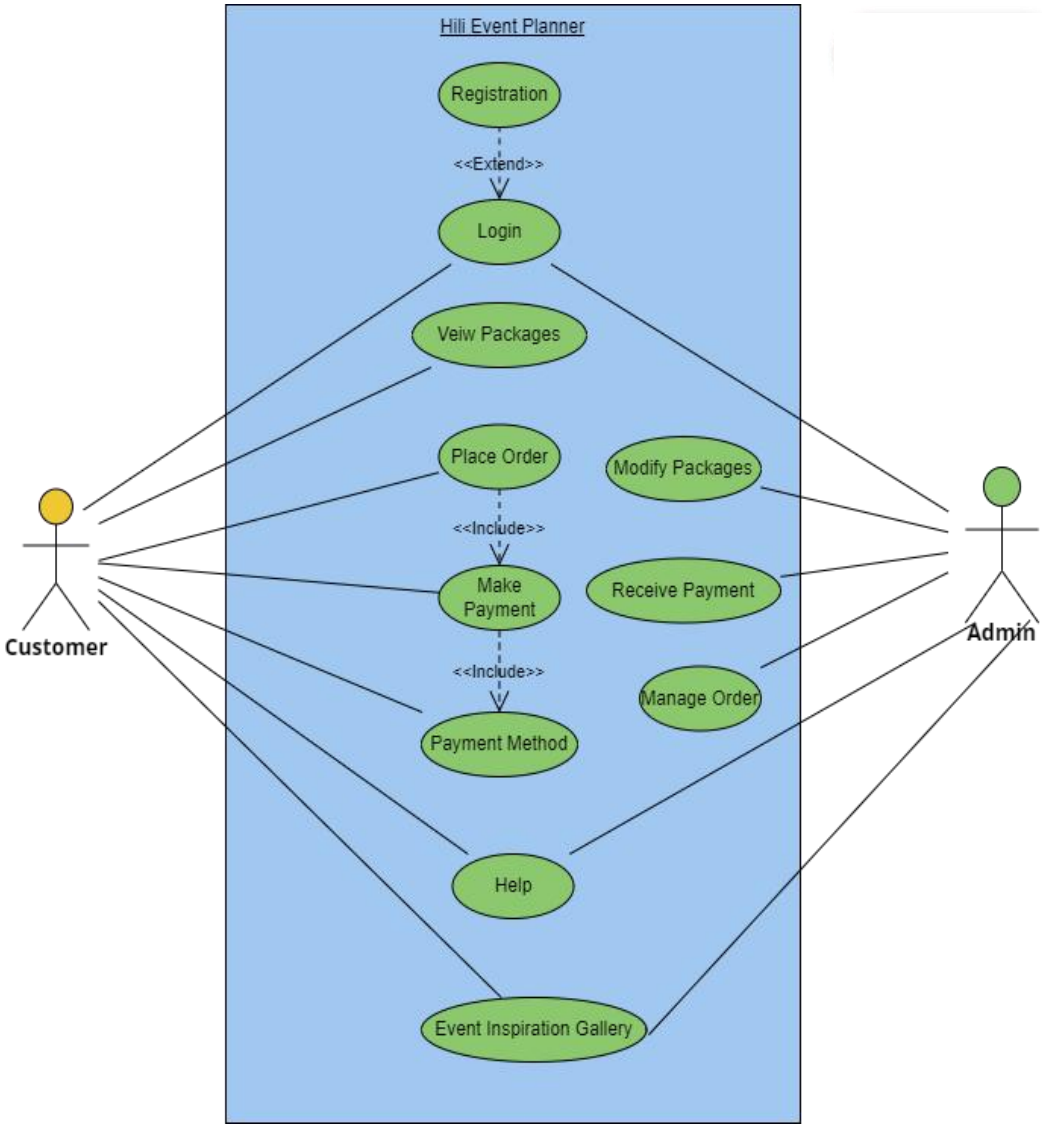

Figure 3.2: Use Case Diagram for"Hili Event Planner"

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Use Case Description

3.2.1 Registration

Use Case	Registration	
Goal	Customers can Register into the system	
Precondition	Must fill correct information	
Success End Condition	Customer successfully create profile & log into the system	
Failed End Condition	An error message will be shown “Incorrect email & password a “Try again” option will be provided	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Customer requests to registration	
Description / Main success scenario	**Step**	**Action**
	1	System will provide a register form
	2	Customer will fill up the necessary field with email and password correctly
	3	Hit register button
	4	System will verify user
	5	Log into the system
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: please fill up the necessary field correctly. Try again”
	4a	Message “Error: please give correct Email and Password in required field”
	5a	Message “Error: Something went wrong. Try again”
Quality Requirements	Fast responsive system	

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3.2.2 Login

Use Case	Login	
Goal	Customers and Admin log into the system	
Precondition	Must fill correct information	
Success End Condition	Customer and Admin successfully create profile & log into the system	
Failed End Condition	An error message will be shown “Incorrect email & password’ and a “Try again” option will be provided	
Primary Actors: **Secondary Actors:**	Customer,Admin	
Trigger	Customer and Admin requests to Login	
Description / Main success scenario	**Step**	**Action**
	1	System will provide a Login form
	2	Customer And Admin will fill up the necessary field with email and password correctly
	3	Hit Login button
	4	System will verify user
	5	Log into the system
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: please fill up the necessary field correctly. Try again”
	4a	Message “Error: please give correct Email and Password in required field”
	5a	Message “Error: Something went wrong. Try again”
Quality Requirements	Fast responsive system	

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3.2.3 View Packages

Use Case	View Packages	
Goal	Everyone can view Product or packages	
Precondition		
Success End Condition	Customers can view Product or packages and Admin can get orders	
Failed End Condition	An error message will be shown and a “Try again” option will be provided	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Customer and Admin requests to view packages through the View more button in the screen	
Description / Main success scenario	**Step**	**Action**
	1	System will displayed various packages
	2	Hit View more button
	3	System will verify and shows all information
	4	The packages will be displayed
	5	Buy packages
Alternative Flows	**Step**	**Branching Action**
	4a	Message “Error: Something went wrong. Try again”
Quality Requirements	View all packages with optimized Images	

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3.2.4 Add to Cart

Use Case	Add to cart	
Goal	Customer can add desire packages to cart	
Precondition	Must need a register profile and logged in	
Success End Condition	Packages will be added to cart successfully	
Failed End Condition	An error message will be shown and a “Try again” option will be provided	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Customer requests to add packages to their cart	
Description / Main success scenario	**Step**	**Action**
	1	System will display packages and customer will choose package
	2	Customer will fill up the necessary field
	3	Hit confirm button
	4	System will verify all necessary fields
	5	Packages will be added to cart
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: please fill up the necessary field. Try again”
	4a	Message “Error: please give correct information in required field”
	5a	Message “Error: Something went wrong. Try again”
Quality Requirements	Automatically removed packages from the cart within 7days	

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3.2.5 Place Order

Use Case	Place order	
Goal	Customers can place order into the system	
Precondition	Must select packages	
Success End Condition	Customer successfully place order	
Failed End Condition	An error message will be shown " Packages Not found ' and a "Try again" option will be provided	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Place order Button	
Description / Main success scenario	**Step**	**Action**
	1	System will display Cart
	2	Customer select the desire packages correctly from the cart
	3	Hit place order button
	4	System will verify all necessary fields
	5	Order placed successfully
Alternative Flows	**Step**	**Branching Action**
	2a	Message "Error: please select at least one Package or packages. Try again"
	4a	Message "Error: please give correct information in required field"
	5a	Message "Error: Something went wrong. Try again"
Quality Requirements	Place order within seconds	

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3.2.6 Payment Method

Use Case	Payment Method	
Goal	Customers can Make Payment for their order into the system	
Precondition	Must need to login into the system & order Package	
Success End Condition	Customer successfully Make Payment for their order	
Failed End Condition	An error message will be shown " Error: Can't Make Payment at this moment and a "Try again" option will be provided	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Make Payment Button	
Description / Main success scenario	**Step**	**Action**
	1	System will display order
	2	Customer select the Payment method
	3	Hit Make Payment button
	4	System will verify user information
	5	Make Payment successfully
	6	Get a receipt of the order & payment
Alternative Flows	**Step**	**Branching Action**
	2a	Message "Error: please select payment method. Try again "
	4a	Message "Error: please give correct information for confirmation"
	5a	Message "Error: Payment Failed. Try again"
Quality Requirements	Payment must be Done within 1Day & Transaction must be completed within 120s& Get a receipt of the order & payment	

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3.2.7 Event Inspiration Gallery for Customer

Use Case	Event Inspiration Gallery	
Goal	Customer can view the posts and share their thoughts about event planning.	
Precondition	Customer Must need to login into the system	
Success End Condition	Customer can view the posts and share their thoughts	
Failed End Condition	Message “Error: Try again”	
Primary Actors: **Secondary Actors:**	Customer	
Trigger	Event Inspiration Gallery Button	
Description / Main success scenario	**Step**	**Action**
	1	Event inspiration management page displayed
	2	Hit add thought button
	3	Give information
	4	Hit Submit Button
	5	Added successfully
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: Try again”
	4a	Message “Error: please give more information. Try Again”
Quality Requirements	System will show all the features smoothly	

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3.2.8 Event Inspiration Gallery for Admin

Use Case	Event Inspiration Gallery	
Goal	Admin can upload some thoughts about events and upload the recent works with photos and videos.	
Precondition	Admin Must need to login into the system	
Success End Condition	Admin can add event information successfully	
Failed End Condition	Message “Error: Try again”	
Primary Actors: **Secondary Actors:**	Admin	
Trigger	Event Inspiration Gallery Button	
Description / Main success scenario	**Step**	**Action**
	1	Event inspiration management page displayed
	2	Hit add Event button
	3	Give information
	4	Hit Submit Button
	5	Added successfully
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: Try again”
	4a	Message “Error: please give more information. Try Again”
Quality Requirements	System will show all the features smoothly	

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3.2.9 Manage Order

Use Case	Manage order	
Goal	Admin can manage(confirm & cancel) order	
Precondition	Must need to login into the system & get order	
Success End Condition	Admin can manage(confirm & cancel) order successfully	
Failed End Condition	Package not available in this time	
Primary Actors: **Secondary Actors:**	Admin	
Trigger	Manage Order Button	
Description / Main success scenario	**Step**	**Action**
	1	System will display all orders
	2	Admin select the order
	3	Hit manage(confirm & cancel) order button
	4	System will notify customer for confirm and cancel order
	5	Manage (confirm & cancel) order successfully
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: please select order. Try again”
	4a	Message “Error: please try again”
Quality Requirements	System will notify customer for confirm and cancel order	

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3.2.10 Modify Packages

Use Case	Modify Packages	
Goal	Admin can Add/Remove Packages	
Precondition	Must need to login into the system	
Success End Condition	Admin can Add/Remove Packages successfully	
Failed End Condition	No package available	
Primary Actors: **Secondary Actors:**	Admin	
Trigger	Add/Remove Button	
Description / Main success scenario	**Step**	**Action**
	1	System will display all package
	2	Admin select the package
	3	Hit Add/Remove Packages button
	4	System will display Add Packages and hide Remove Packages
	5	Add/Remove Packages successfully
Alternative Flows	**Step**	**Branching Action**
	2a	Message “Error: please select Package. Try again”
	4a	Message “Error: please try again”
Quality Requirements	System will display Add Packages and hide Remove Packages	

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3.2.10 Receive Payment

Use Case	Receive Payment	
Goal	Admin Can get notification for receiving payment	
Precondition	Must need log into the system	
Success End Condition	Admin successfully received Payment notification	
Failed End Condition	An error message will be given to customer " Error: Transaction Failed at this moment and a "Try again" option will be provided	
Primary Actors: **Secondary Actors:**	Admin	
Trigger		
Description / Main success scenario	**Step**	**Action**
	1	System will display received payment details
	2	Get a receipt of the order & payment
	3	Received Payment successfully
Alternative Flows	**Step**	**Branching Action**
	1a	Message : Can't display.Try again
	2a	Message: No payment received yet
Quality Requirements	Get a receipt of the order & payment	

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3.2.11 Help

Use Case	Help	
Goal	Customers can get help for any kind of queries	
Precondition	Customer Must need to login into the system	
Success End Condition	Customer get help for queries	
Failed End Condition	Message “Error: Can not solve at this time. Try again”	
Primary Actors: **Secondary Actors:**	Customer,Admin	
Trigger	Help Button	
Description / Main success scenario	**Step**	**Action**
	1	Problem or queries will be submitted by customer
	2	Hit submit button
	3	Admin will solve queries or problem
	4	Problem solve successfully
Alternative Flows	**Step**	**Branching Action**
	1a	Message “Error:Can not solve at this time. Try again”
	3a	Message “Error: please give more information. Try Again”
Quality Requirements	System will notify customer for the queries	

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3.3 Activity Diagram

3.3.1 User Registration

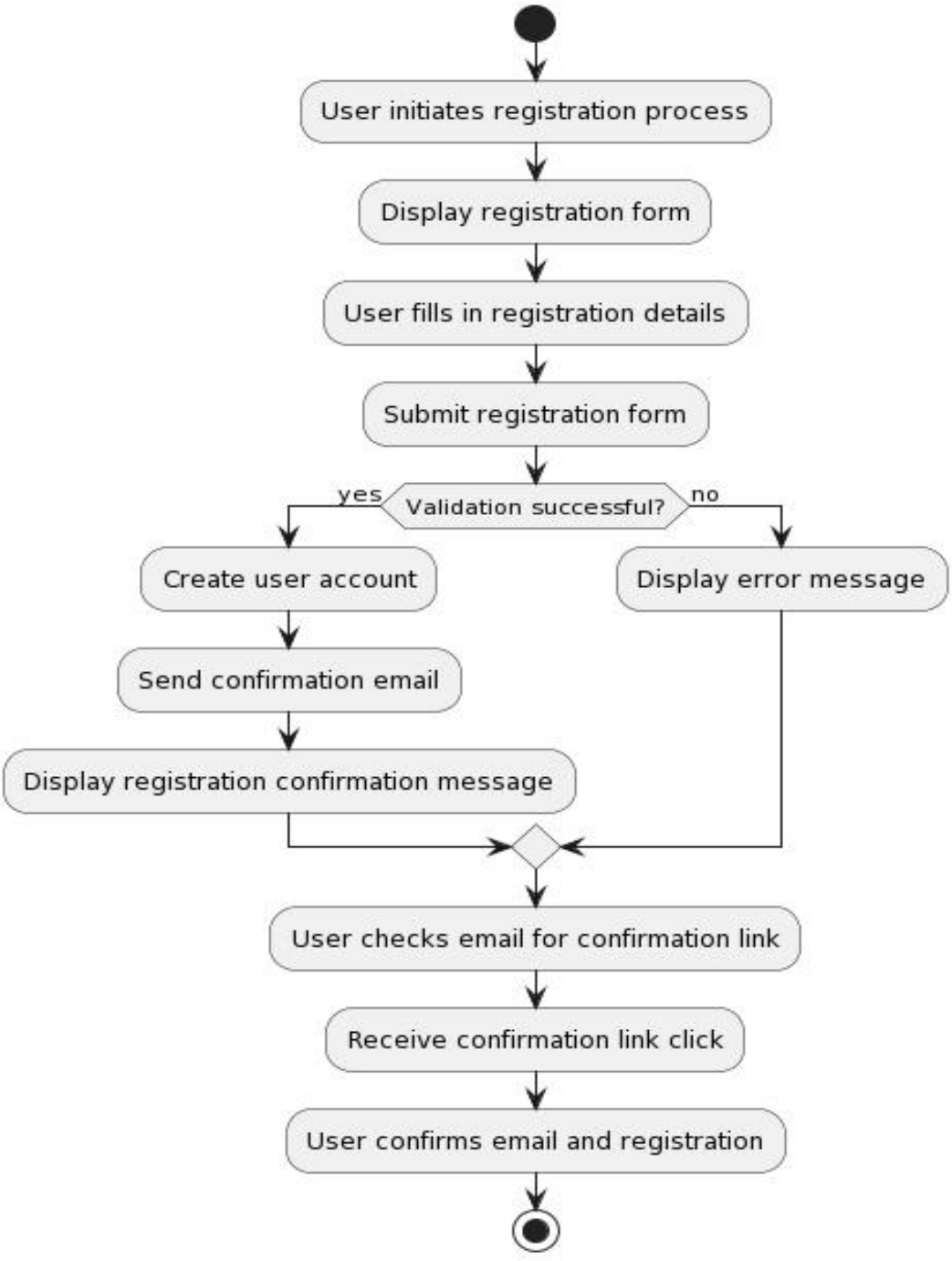

Figure 3.3.1: User Registration

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3.3.2 Registered User Login

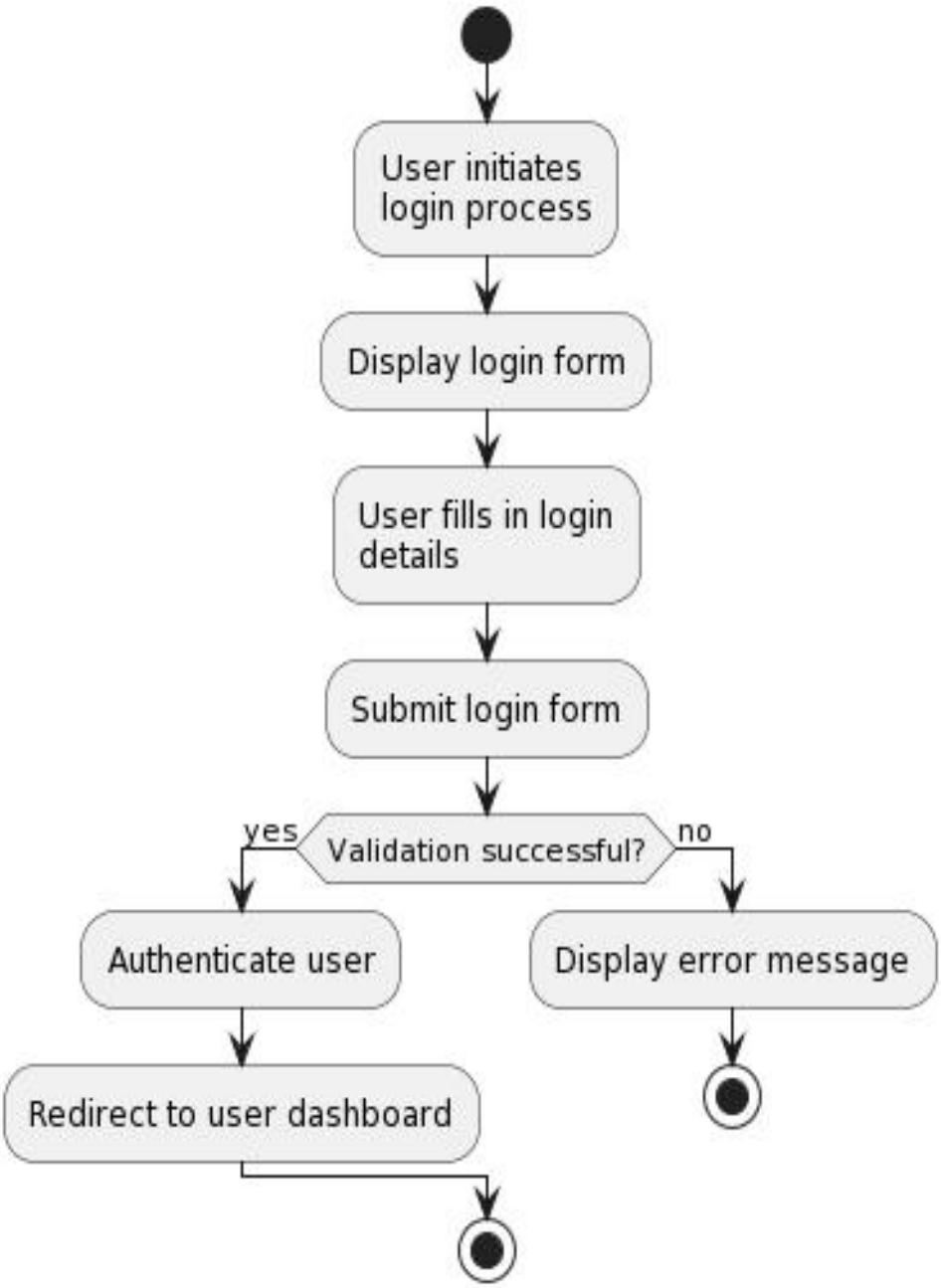

Figure 3.3.2:Registered user login

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3.3.3 User View Packages

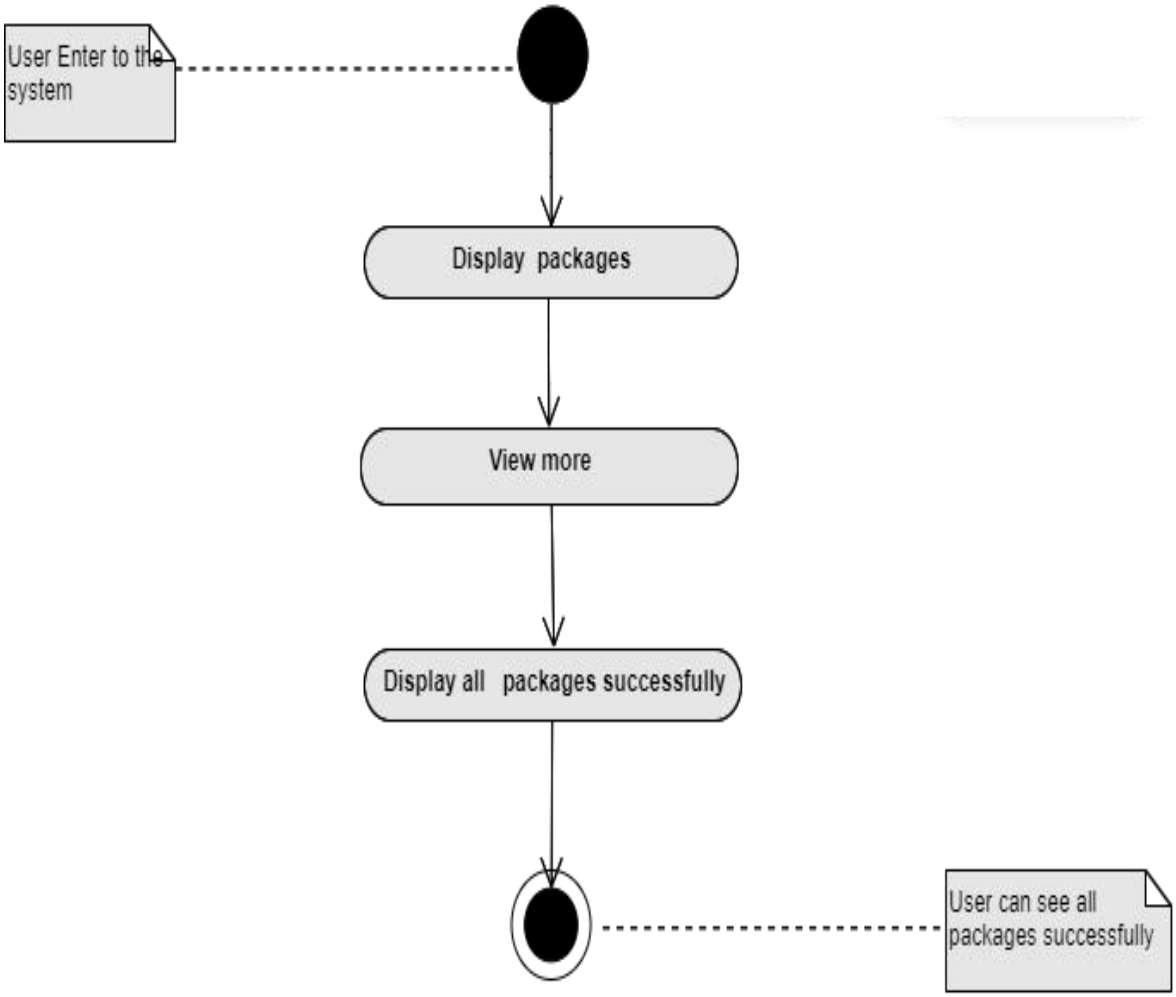

Figure 3.3.3: View Packages

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3.3.4 Add to Cart

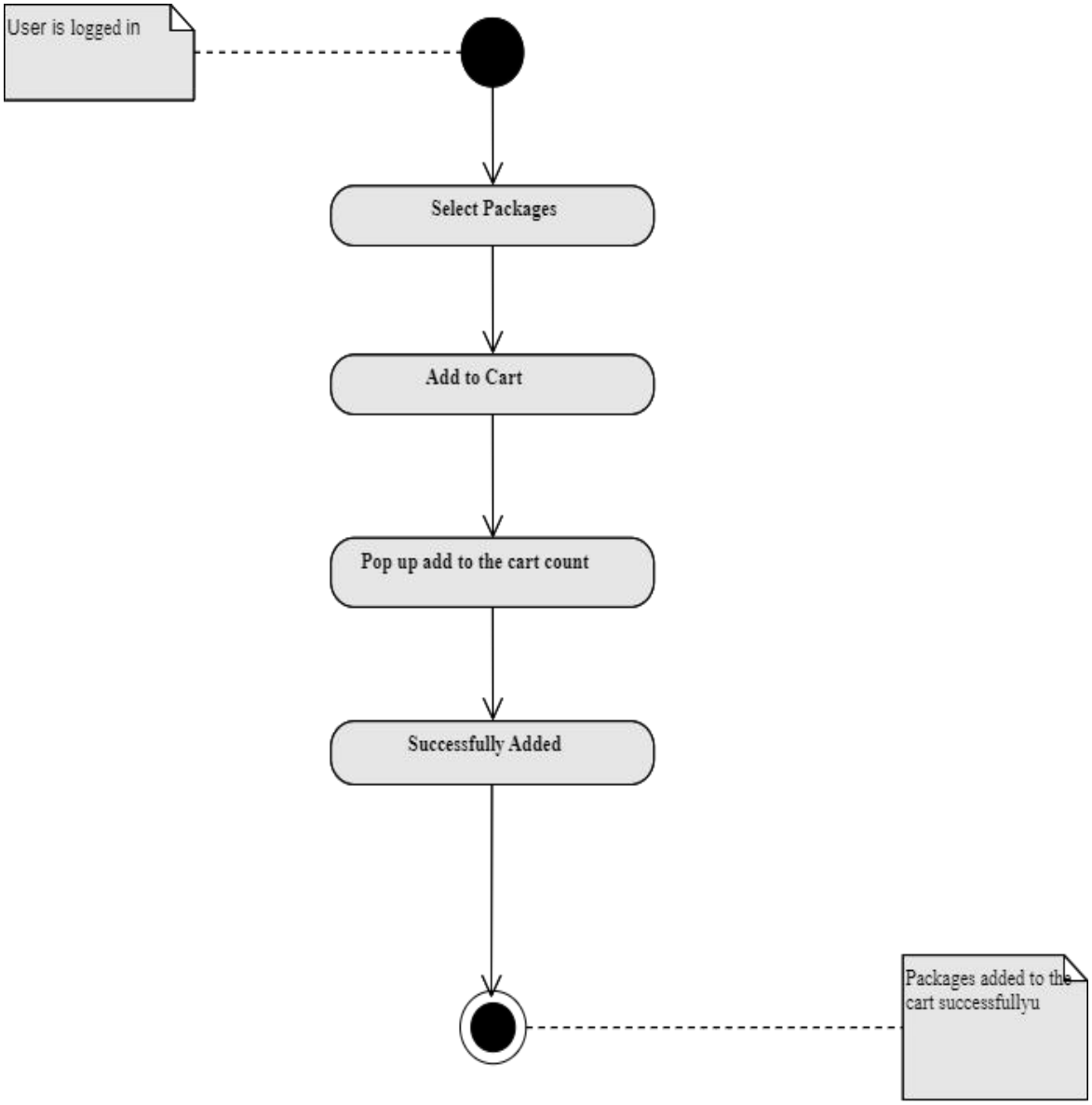

Figure 3.3.4:Add To Cart

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3.3.5 Unregistered User Add to Cart

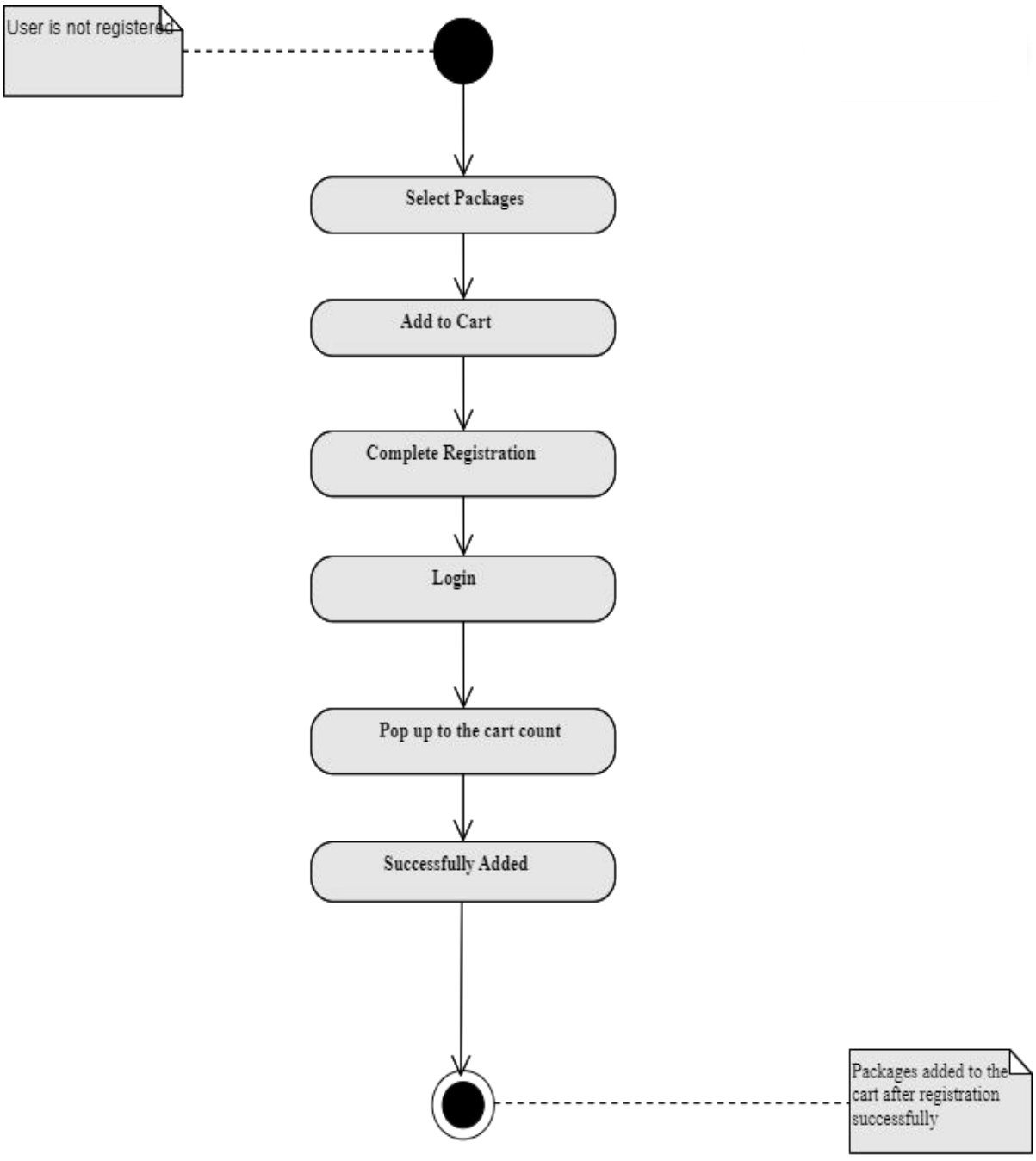

Figure 3.3.5: Unregistered User Add To Cart

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3.3.6 Place Order

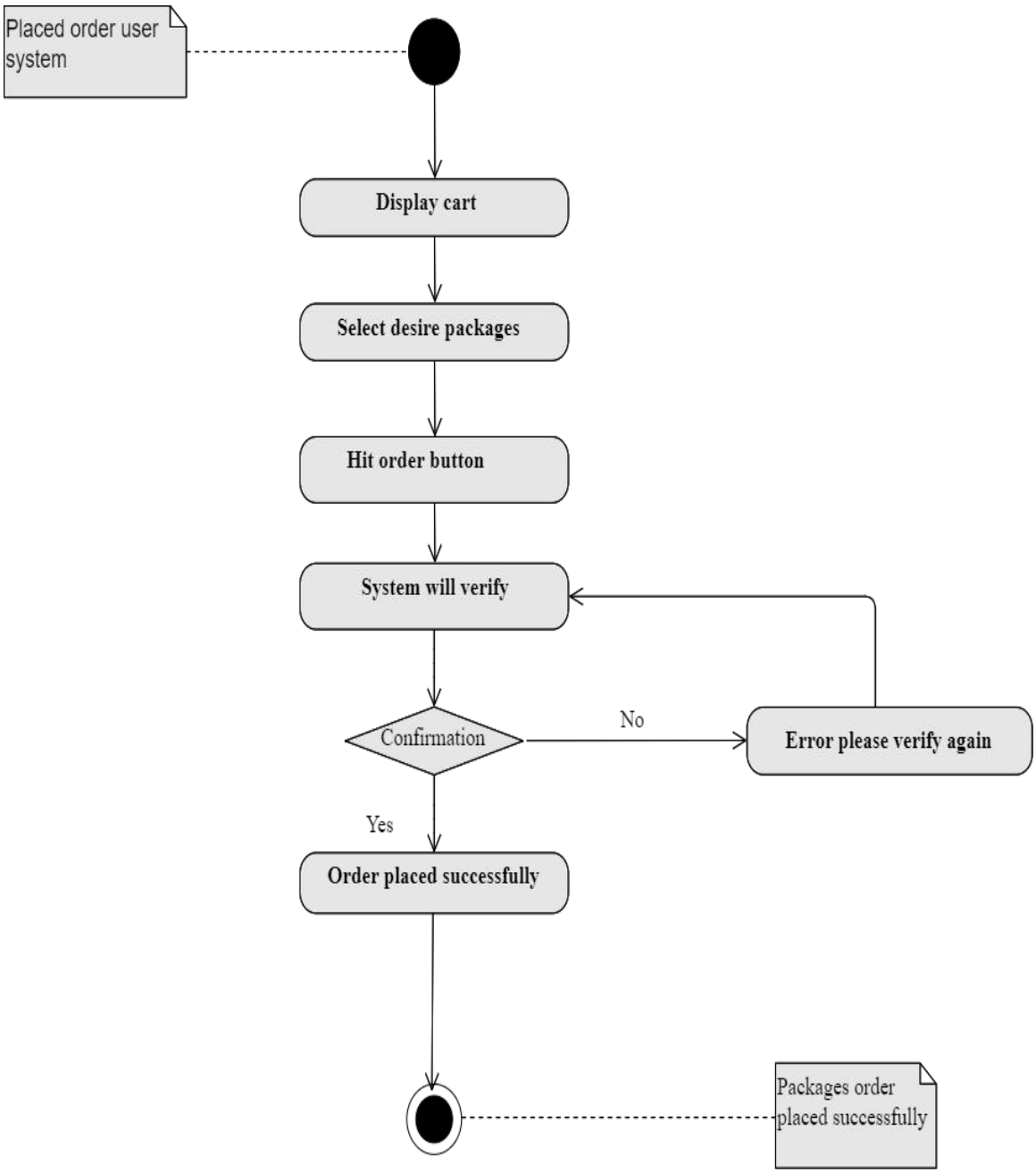

Figure 3.3.6:Place Order

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3.3.7 Payment Method

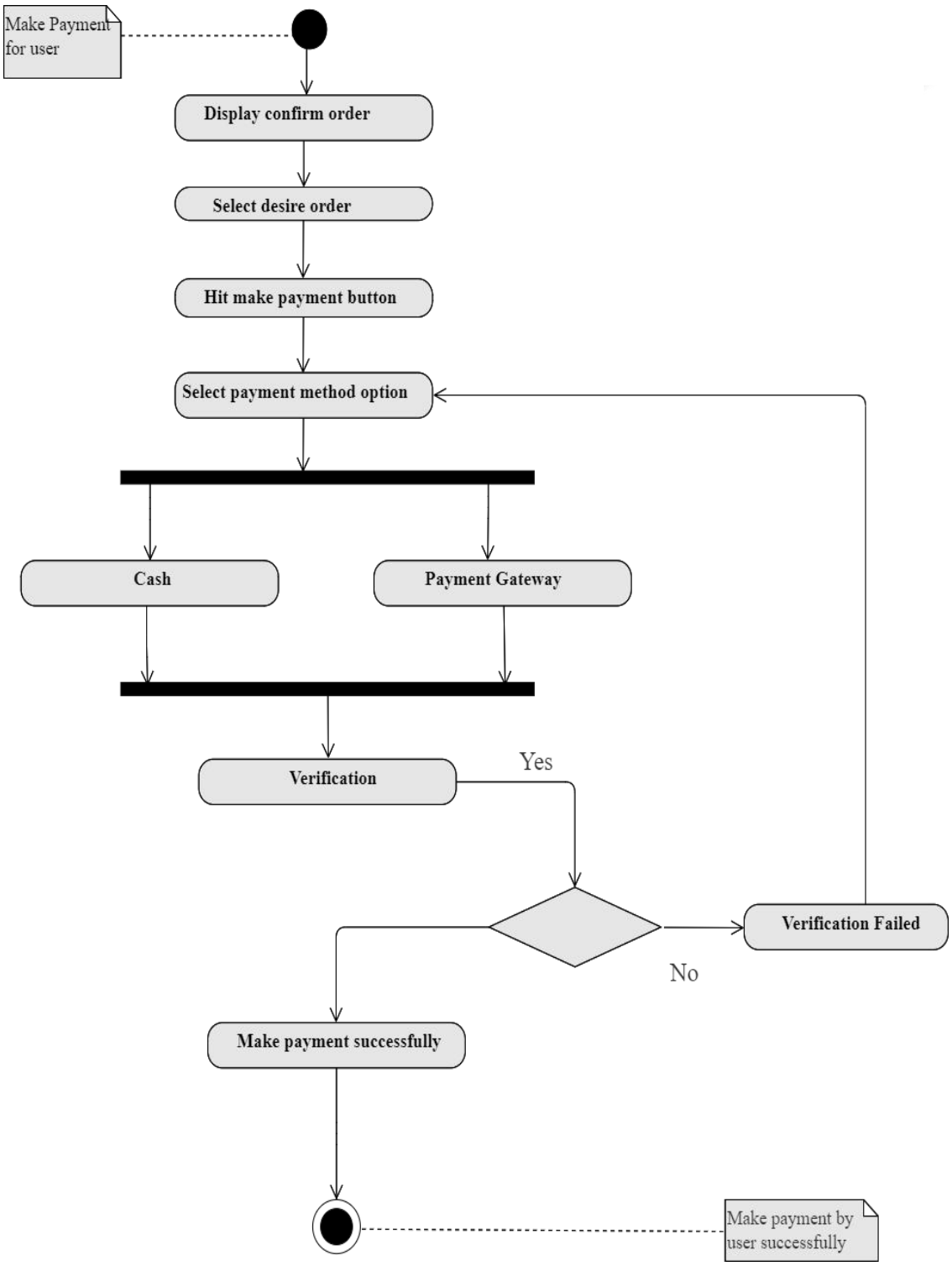

Figure 3.3.7:Payment Method

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3.3.8 Event Inspiration Gallery for User

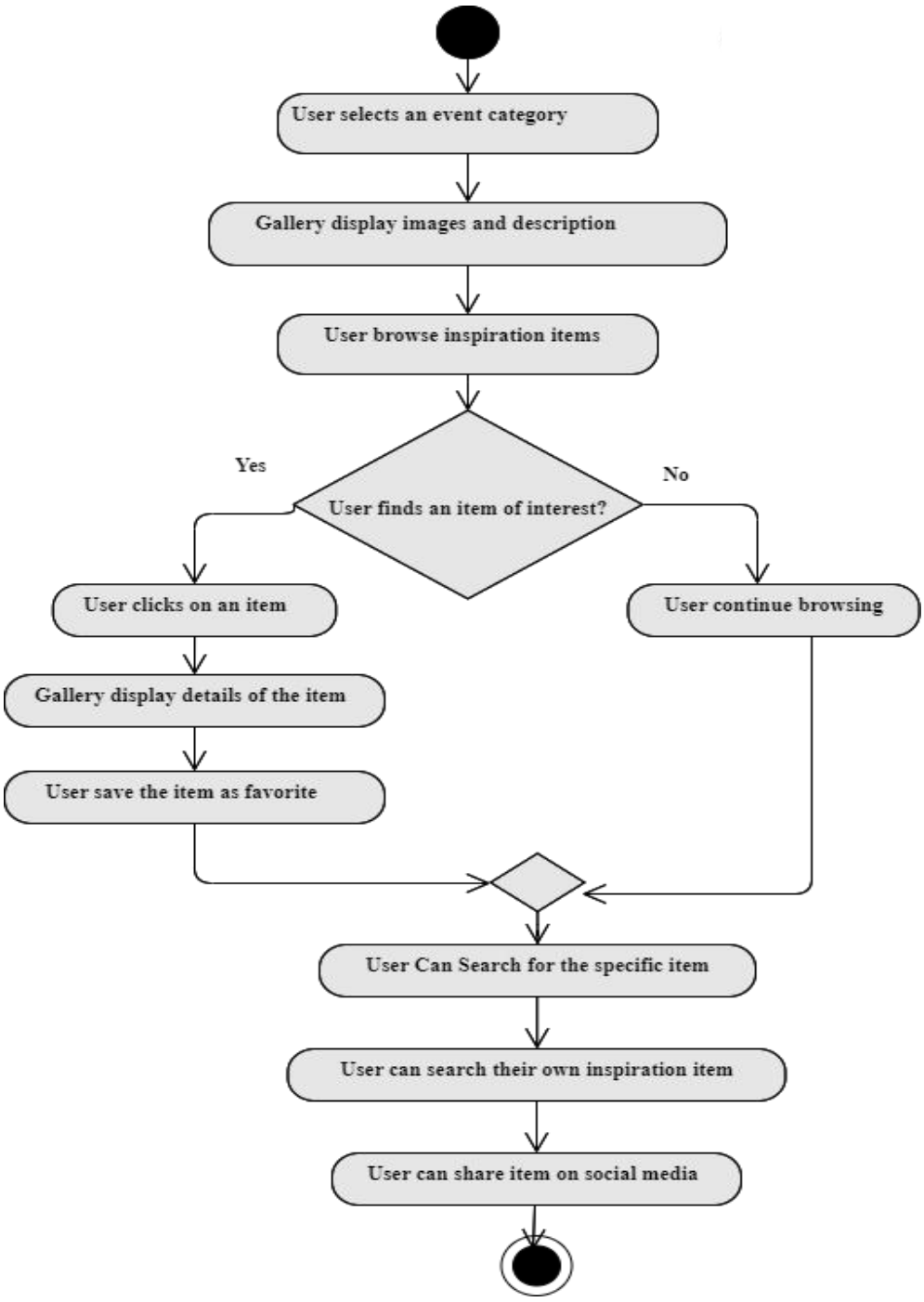

Figure3.3.8:Event Inspiration Gallery for User

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3.3.9 Event Inspiration Gallery for Admin

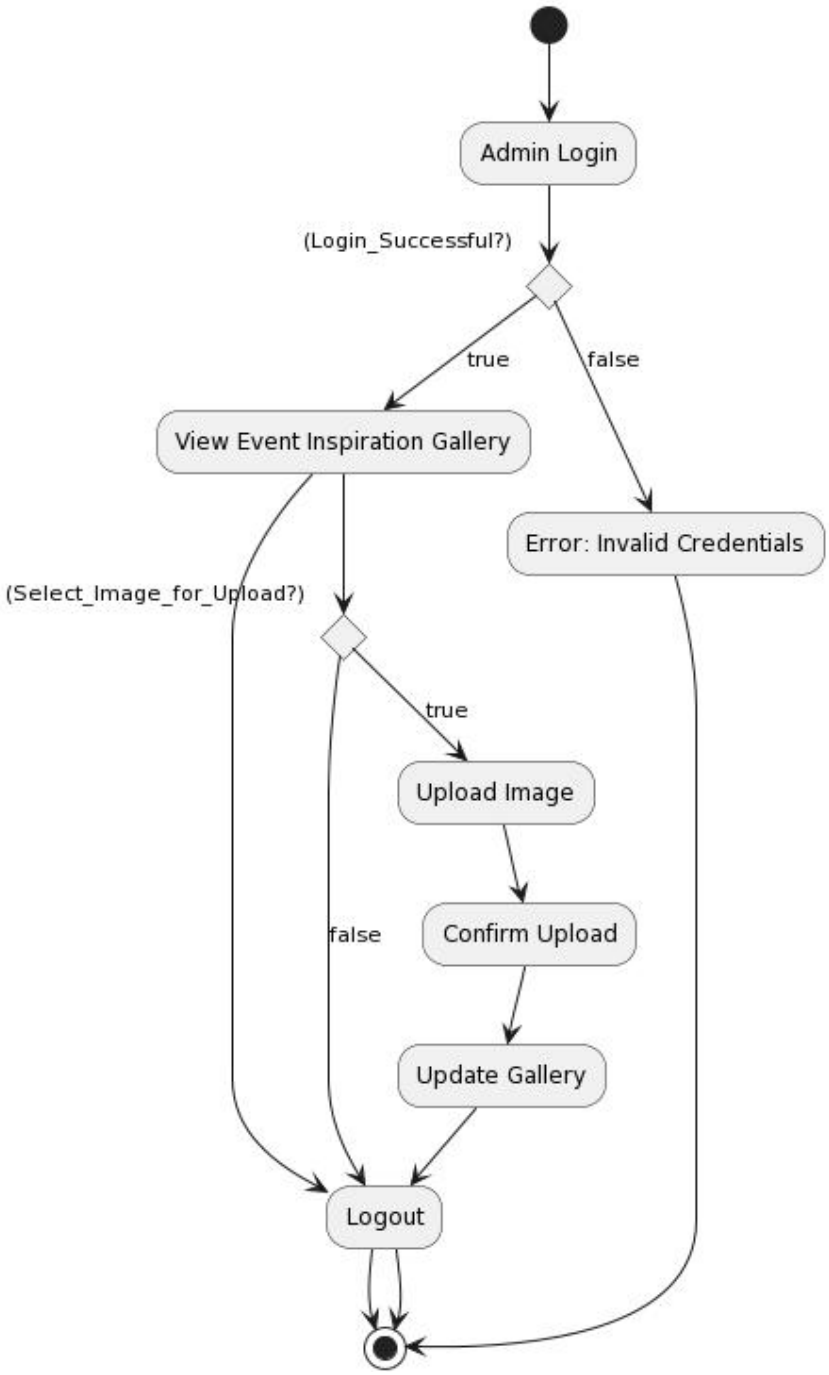

Figure3.3.9:Event Inspiration Gallery for Admin

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3.3.10 Manage Package by Admin

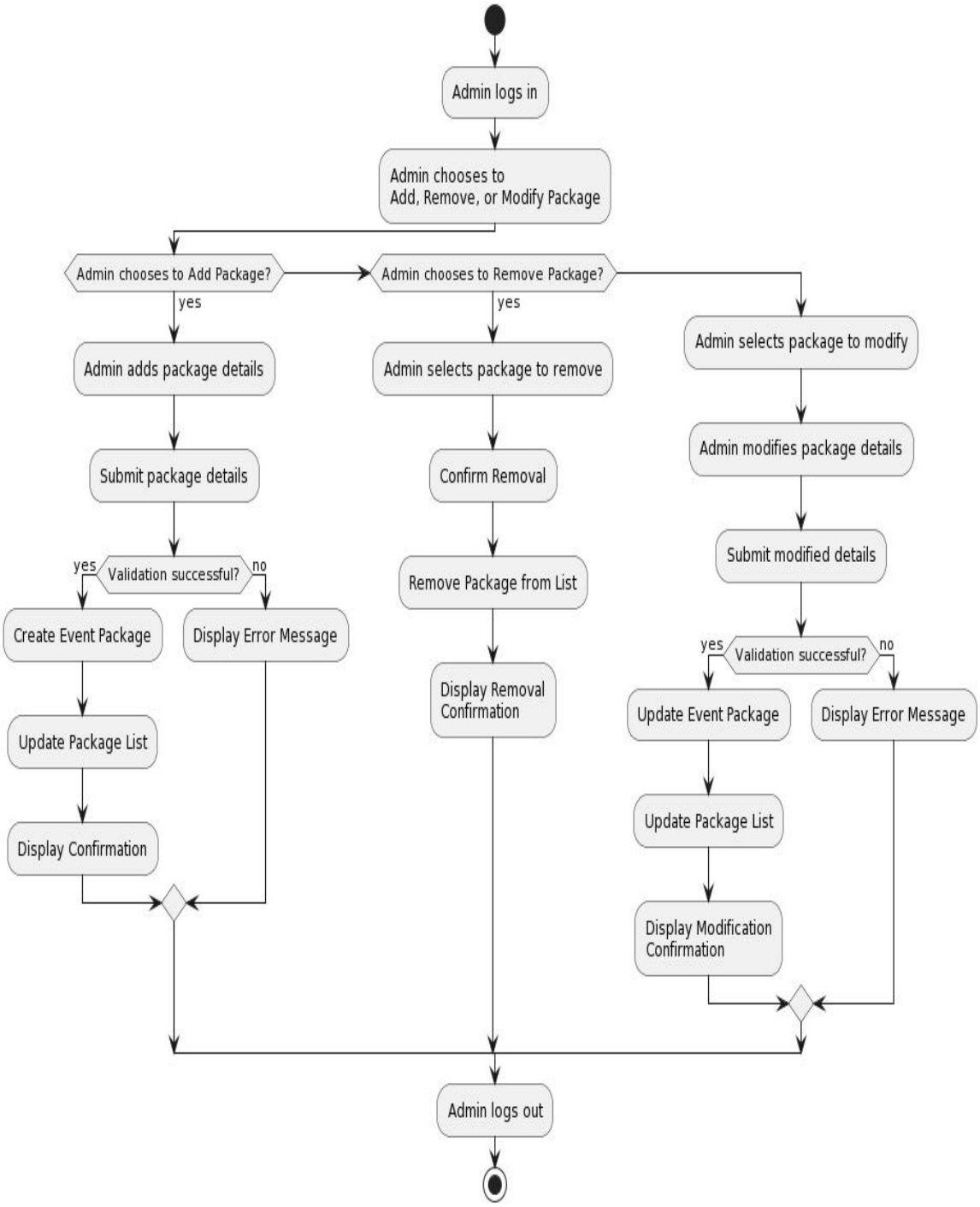

Figure 3.3.10:Manage Package by Admin

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3.3.11 Manage Order by Admin

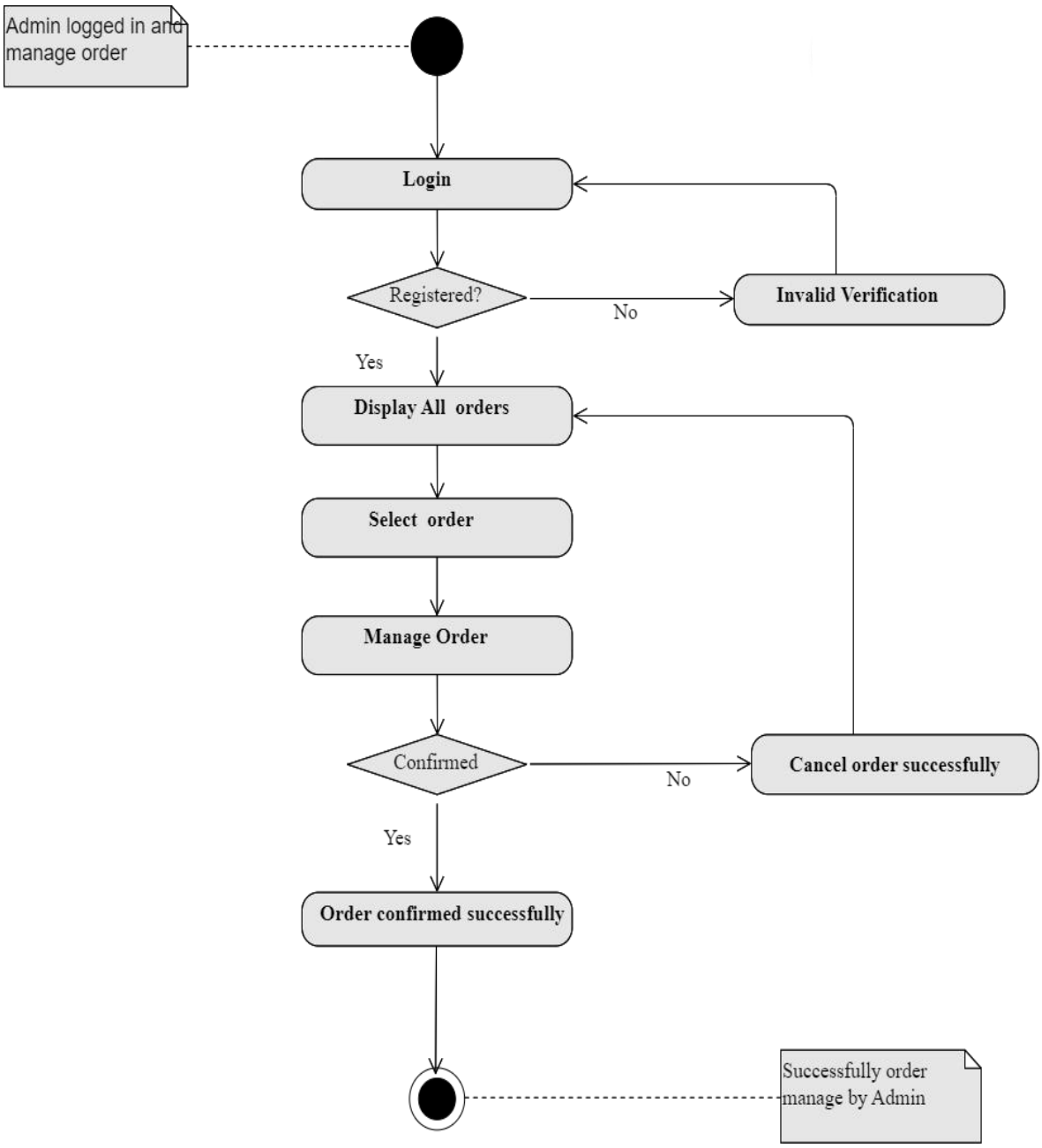

Figure 3.3.11:Manage Order by Admin

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3.3.12 Receive Payment by Admin

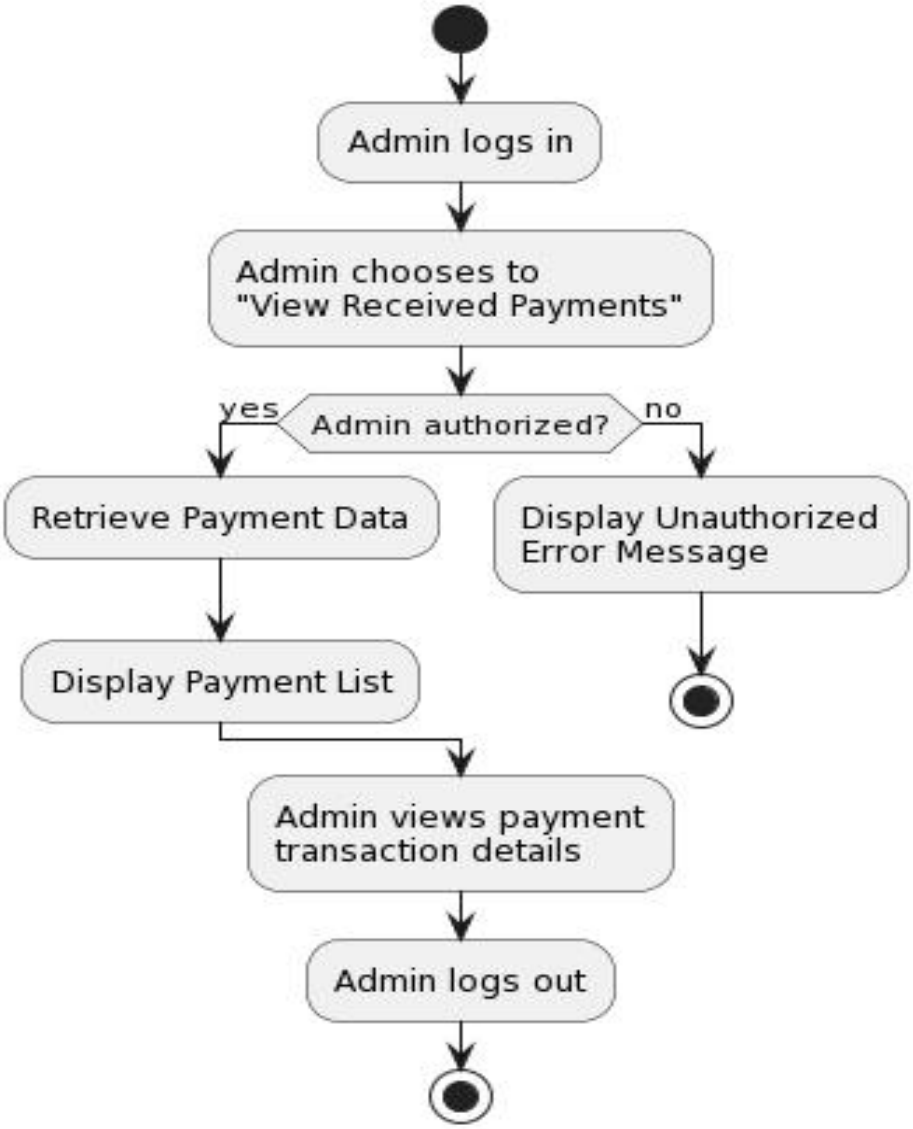

Figure:3.3.12 Receive Payment

©Daffodil International University

3.3.13 Help

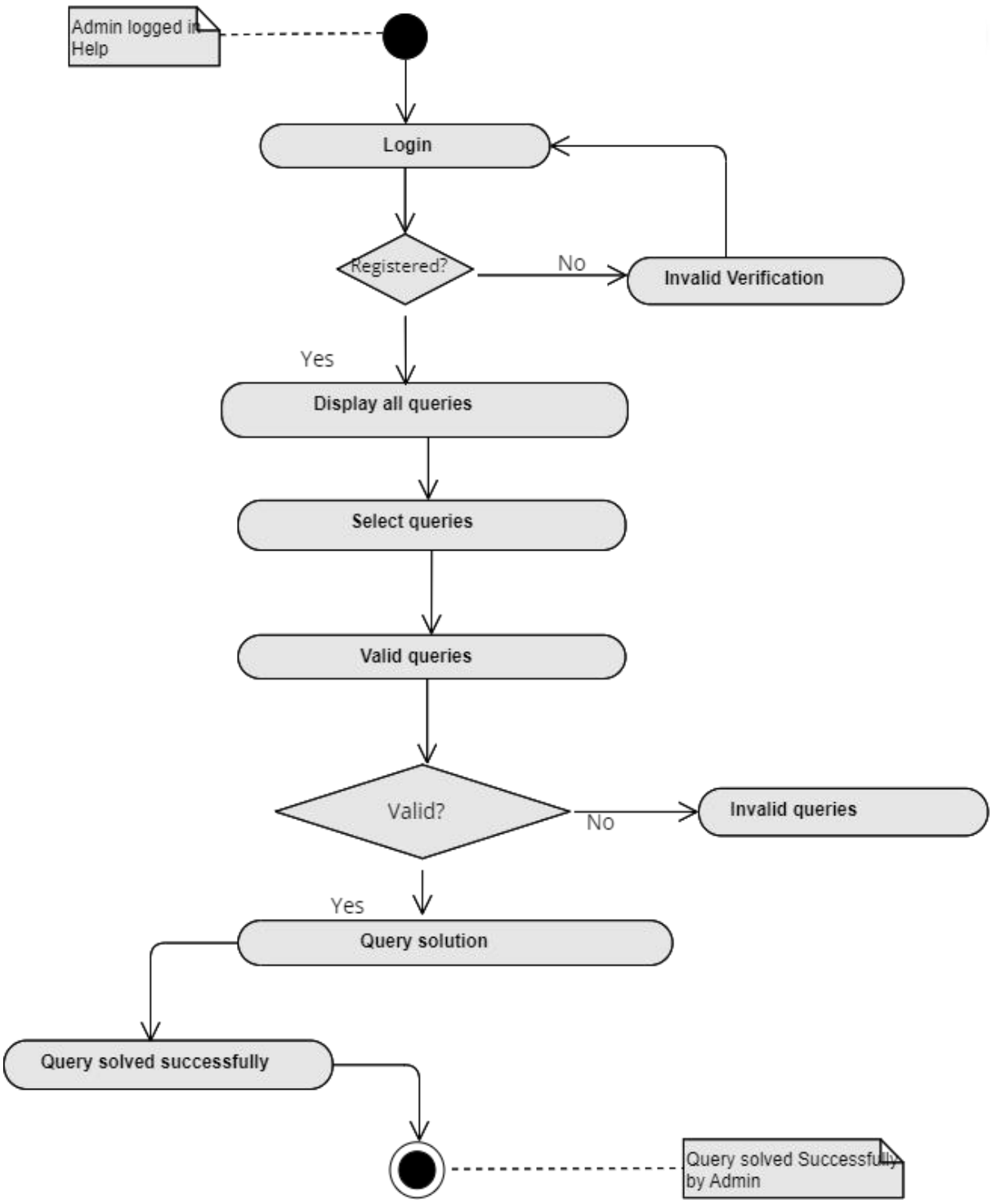

Figure 3.3.13:Help

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3.4 Sequence Diagram

3.4.1 Registration

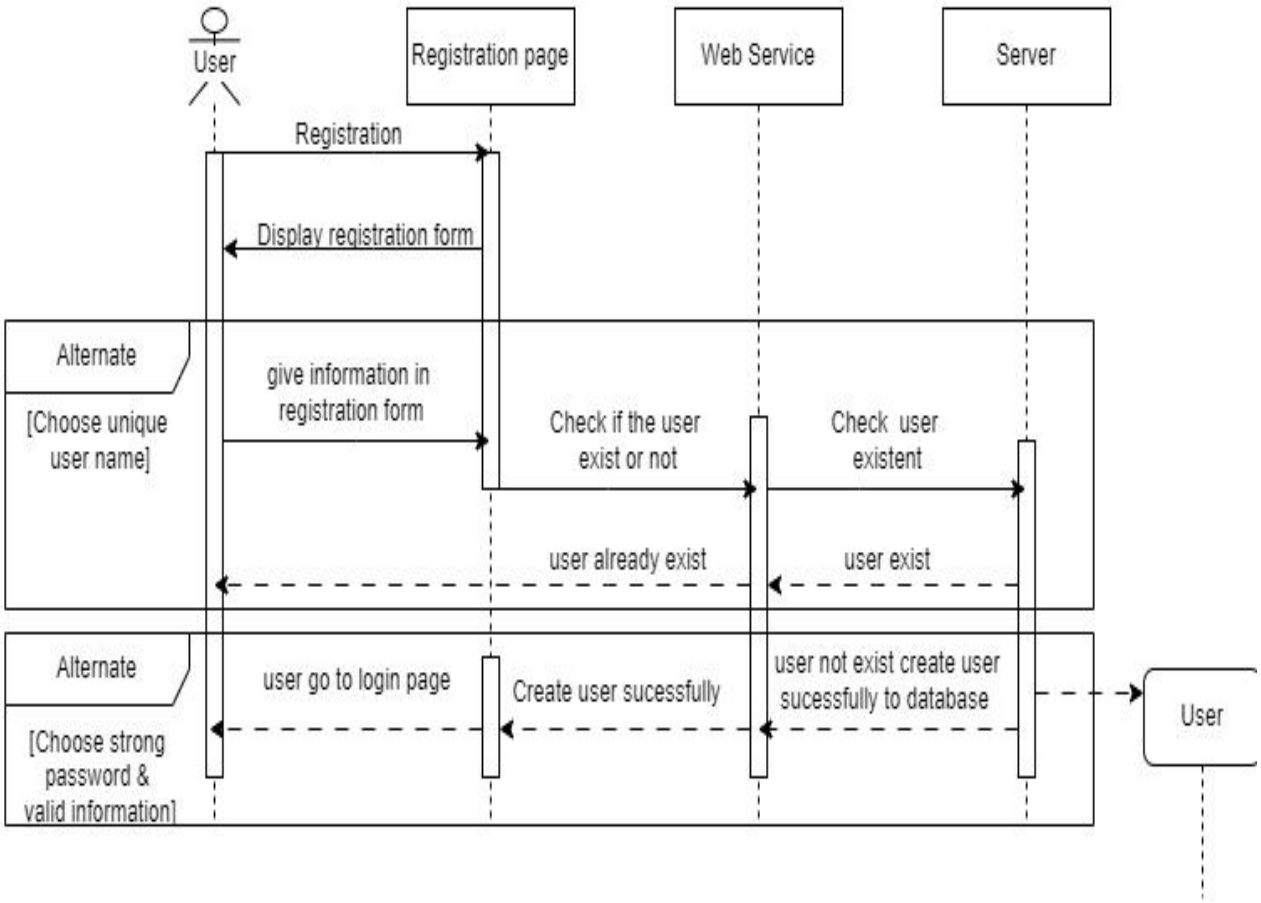

Figure 3.4.1:Registration

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3.4.2 Login

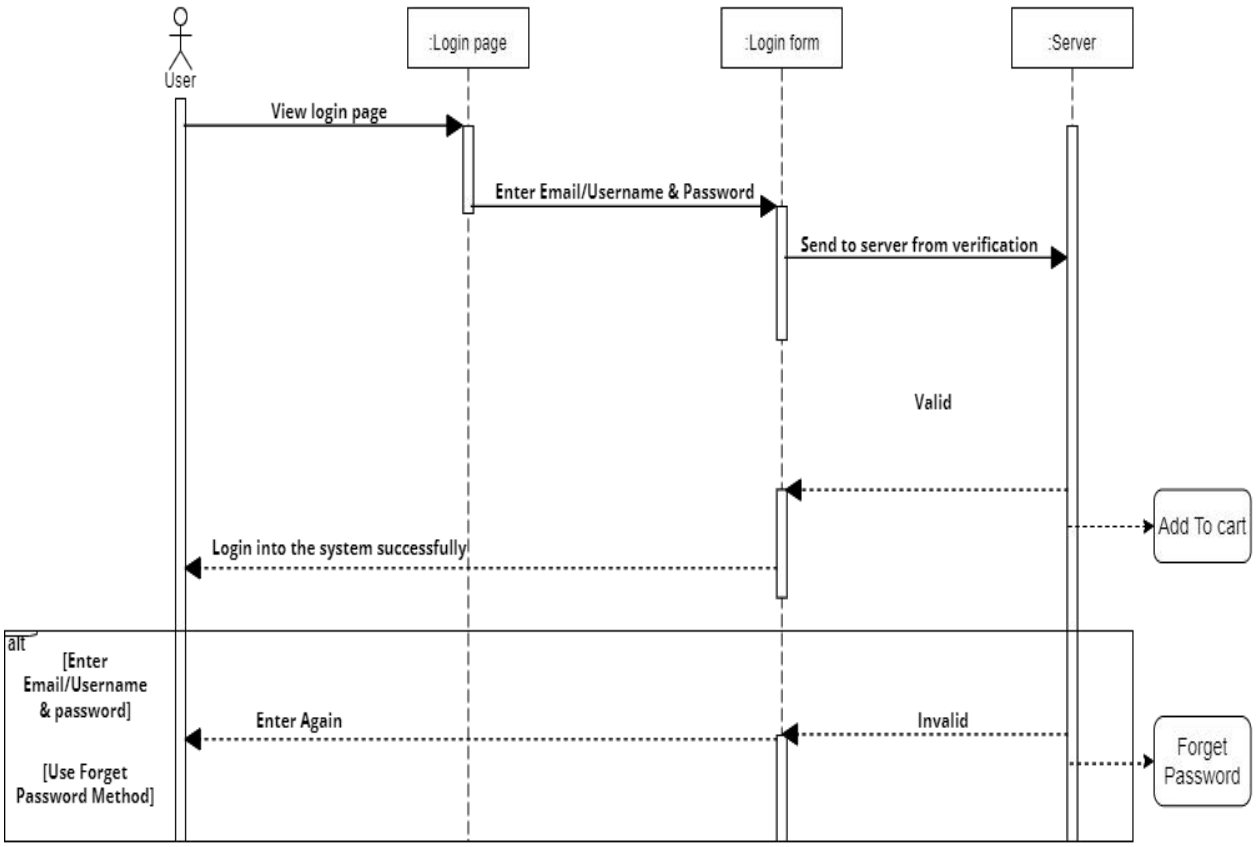

Figure 3.4.2:Login

©Daffodil International University

3.4.3 View Package

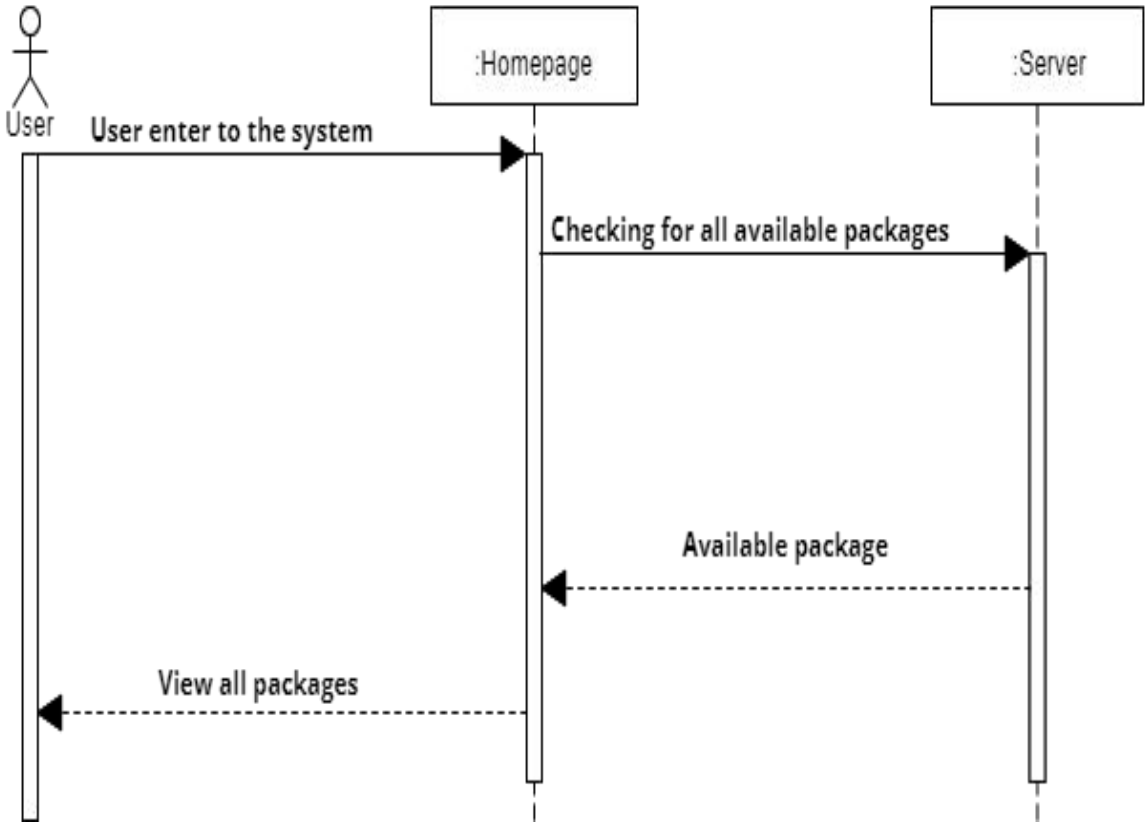

Figure 3.4.3: View Packages

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3.4.4 Add to Cart

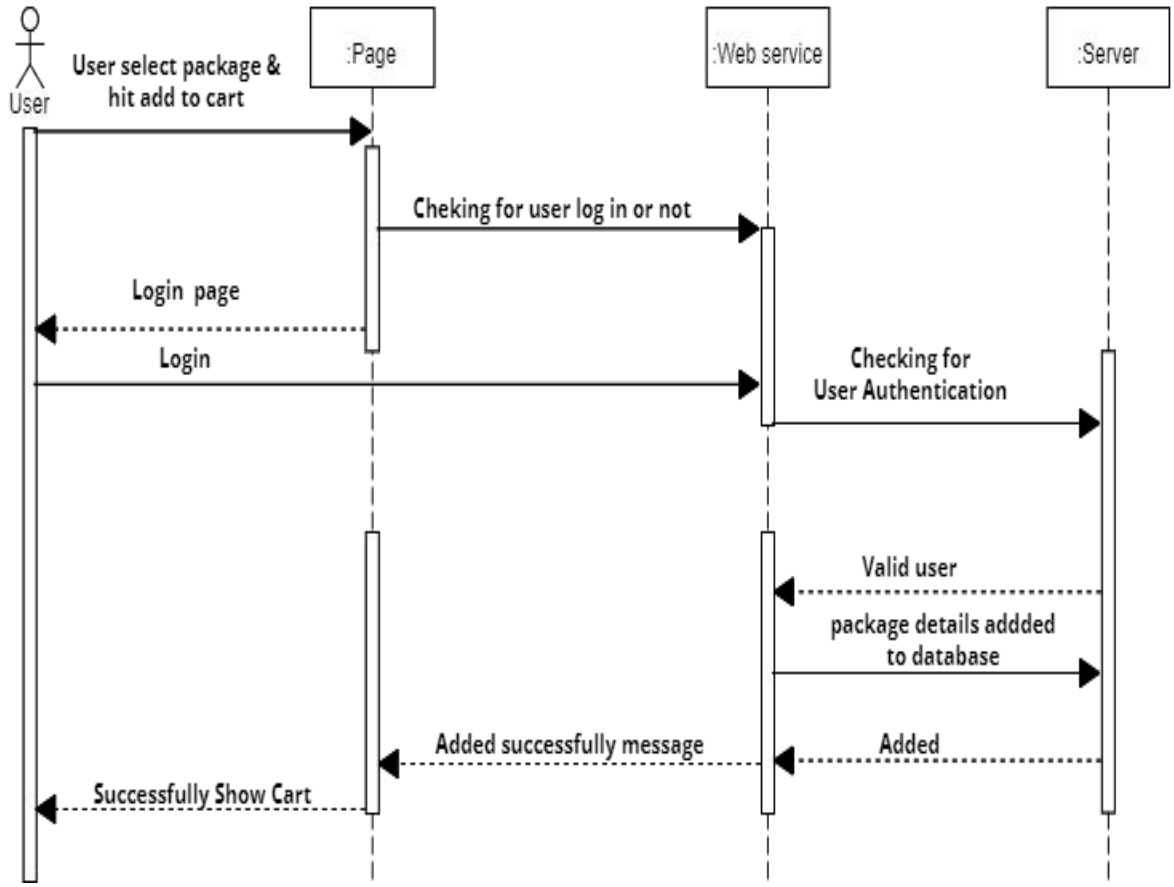

Figure 3.4.4: Add To Cart

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3.4.5 Place Order

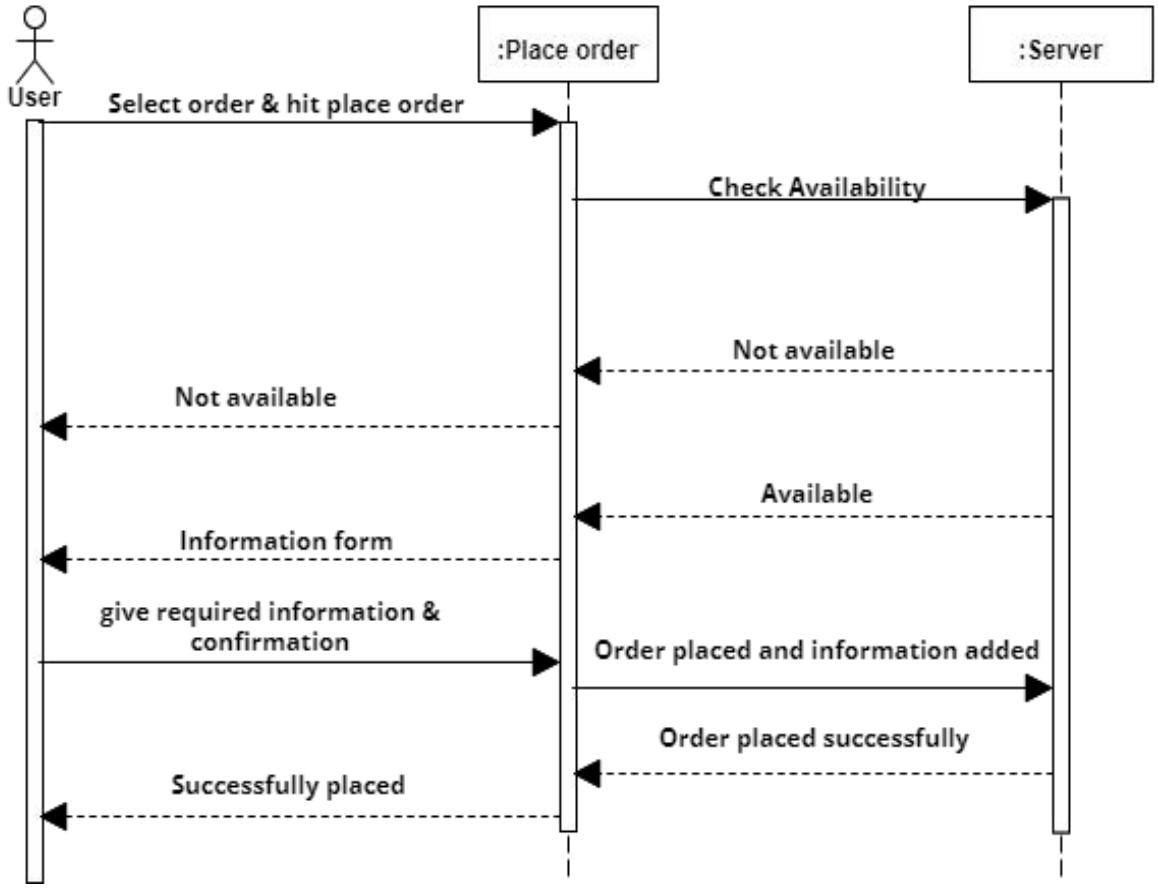

Figure 3.4.5:Place Order

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3.4.6 Payment Method

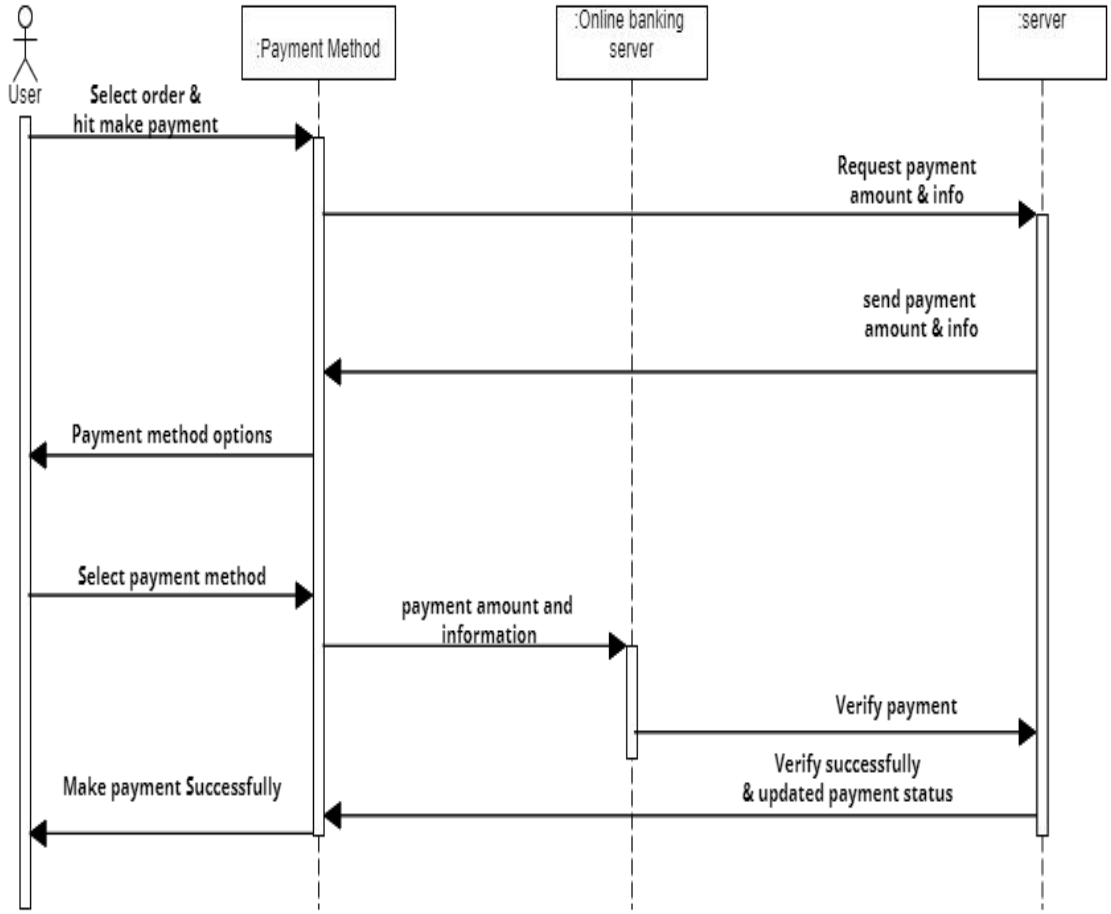

Figure 3.4.6: Payment Method

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3.4.7 Event Inspiration Gallery by User

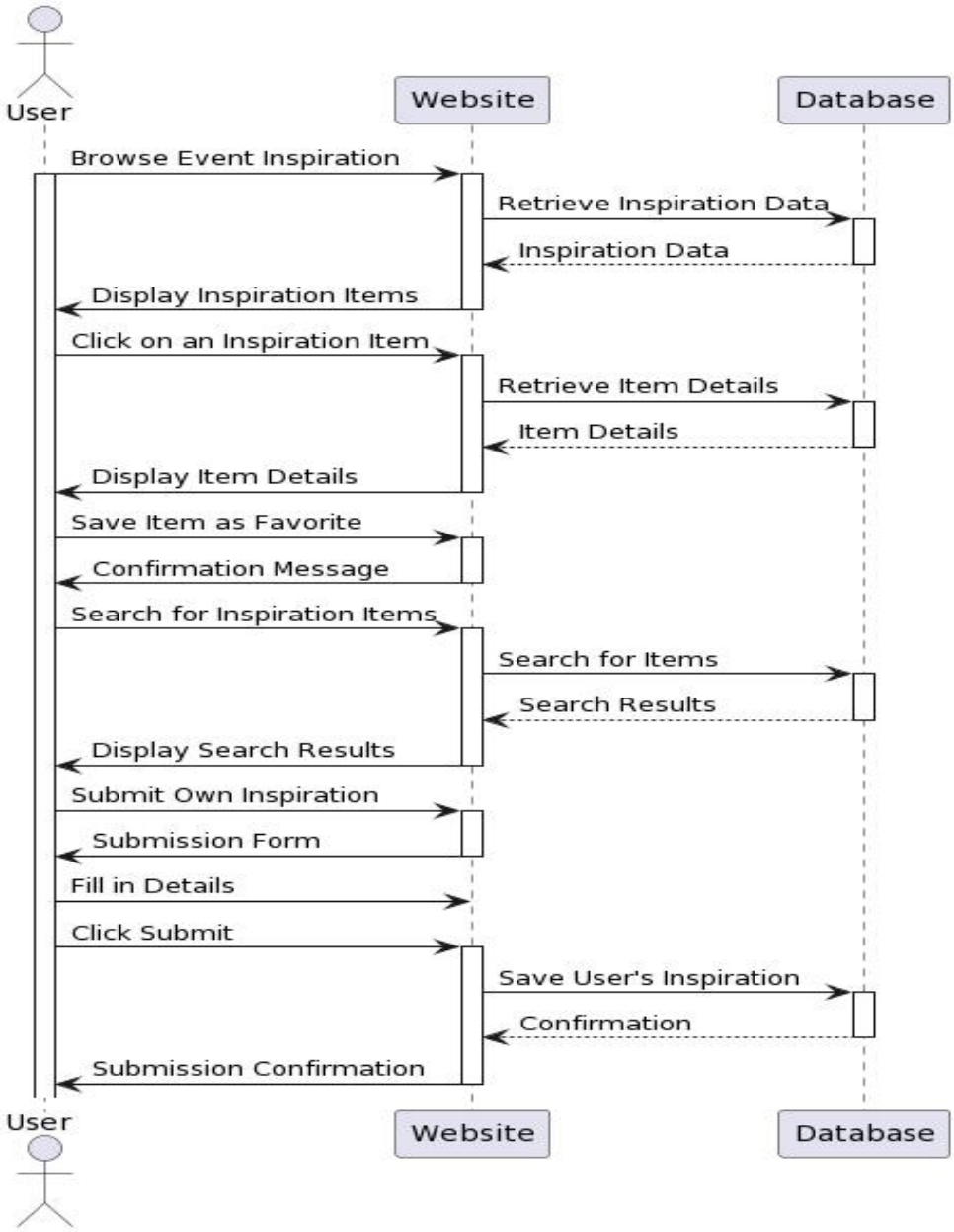

Figure 3.4.7: Event Inspiration Gallery by User

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3.4.8 Event Inspiration Gallery by Admin

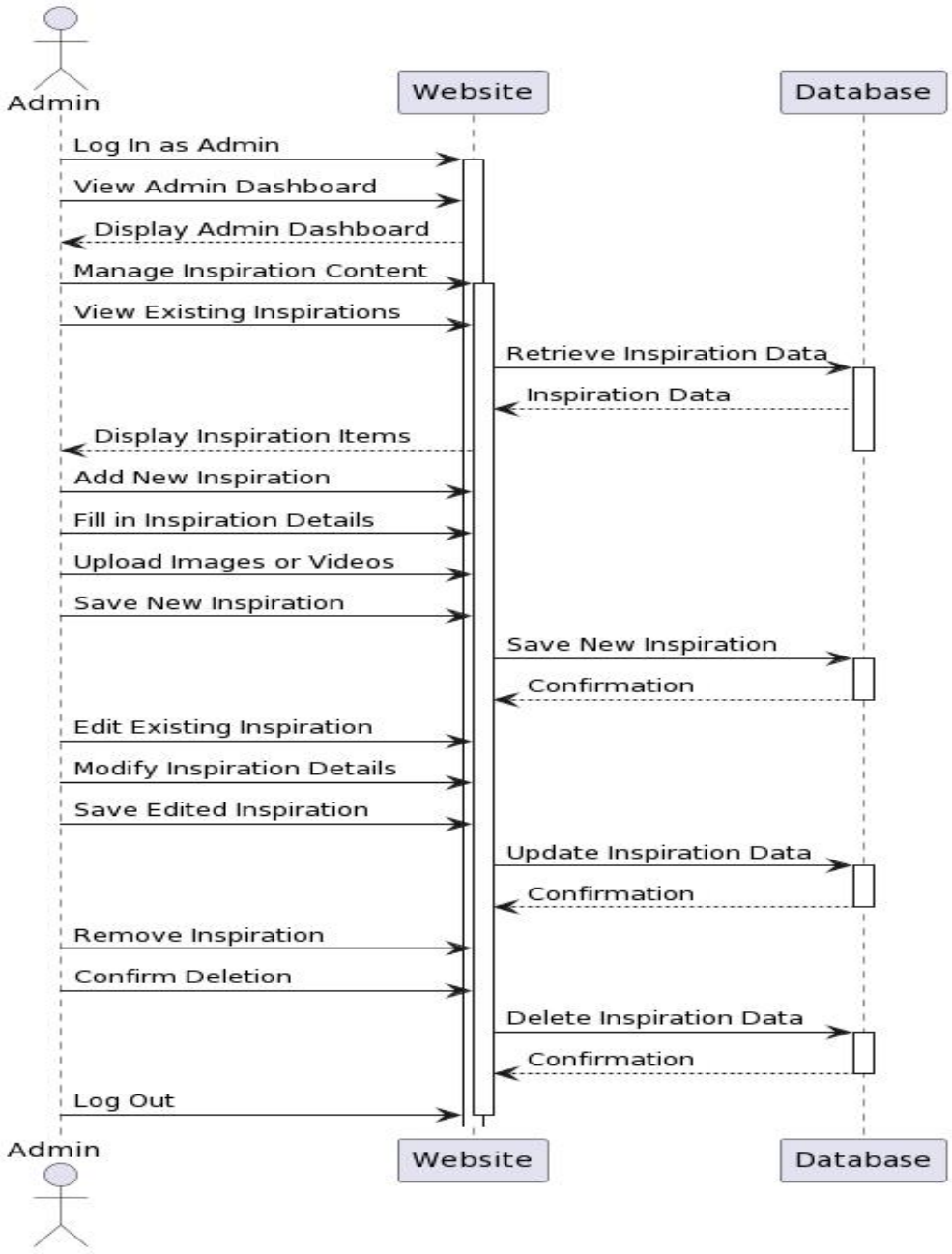

Figure 3.4.8: Event Inspiration Gallery by Admin

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3.4.9 Manage Package by Admin

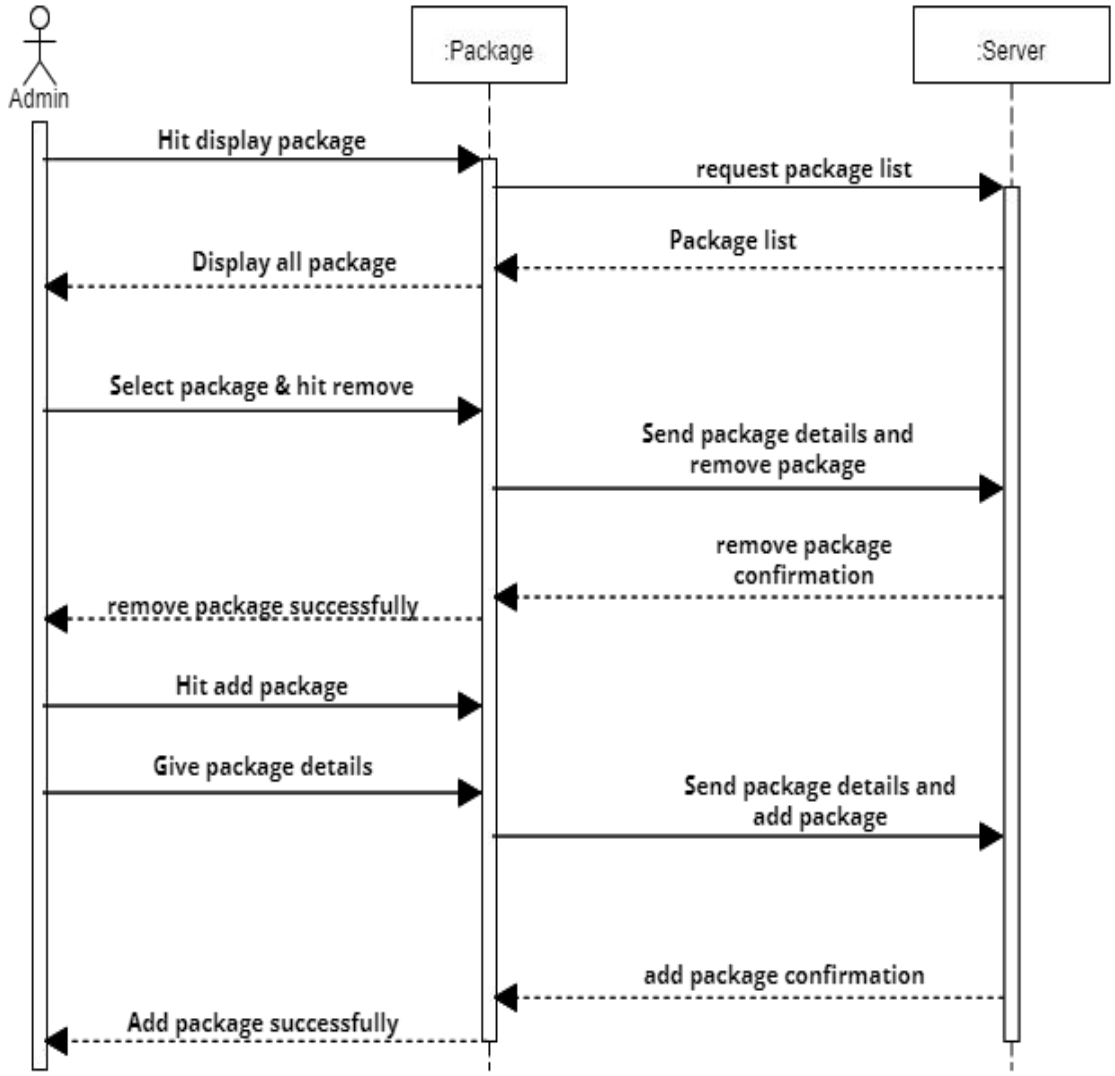

Figure 3.4.9: Manage Package by Admin

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3.4.10 Manage Order by Admin

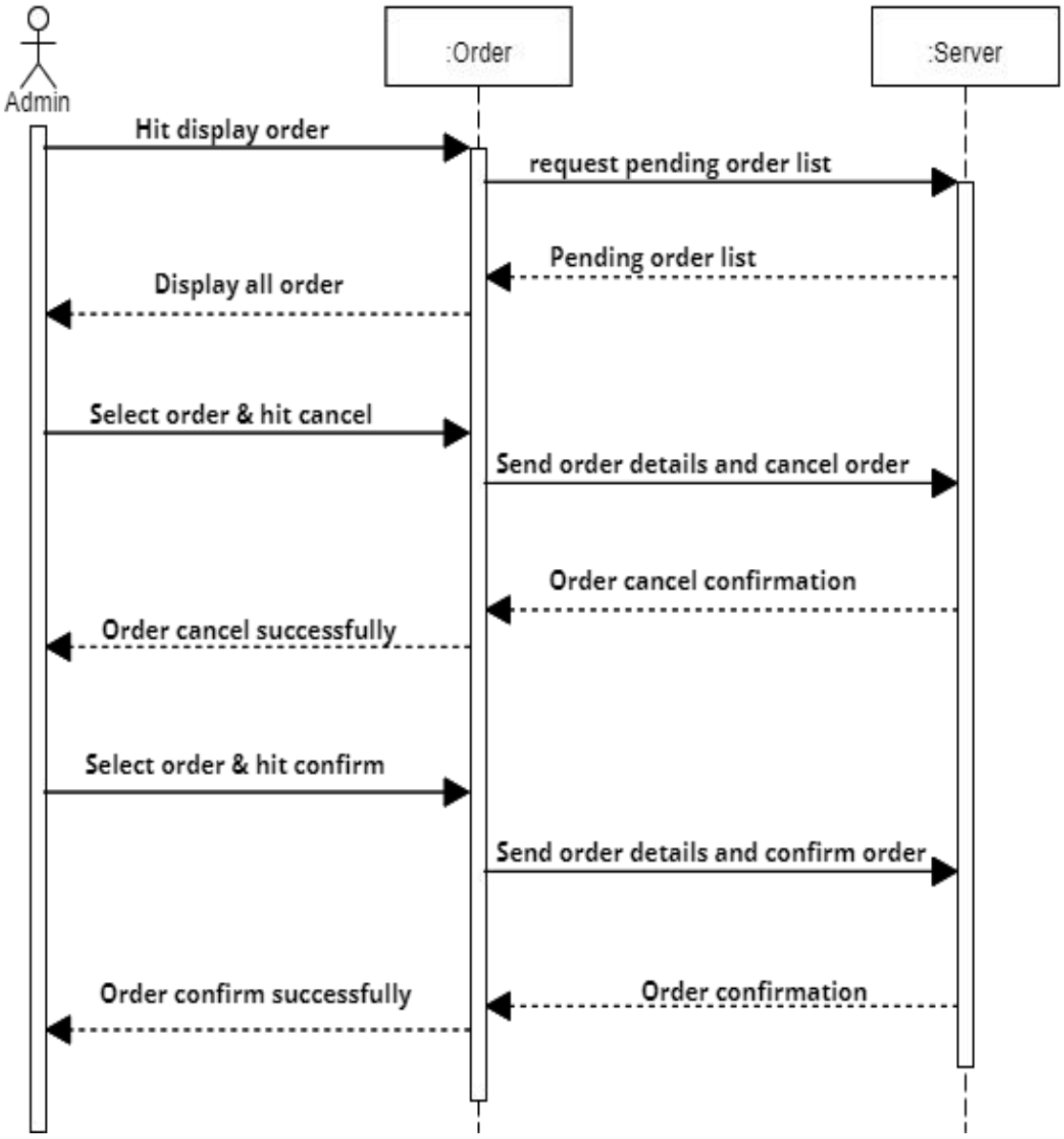

Figure 3.4.10: Manage Order by Admin

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3.4.11 Receive Payment by Admin

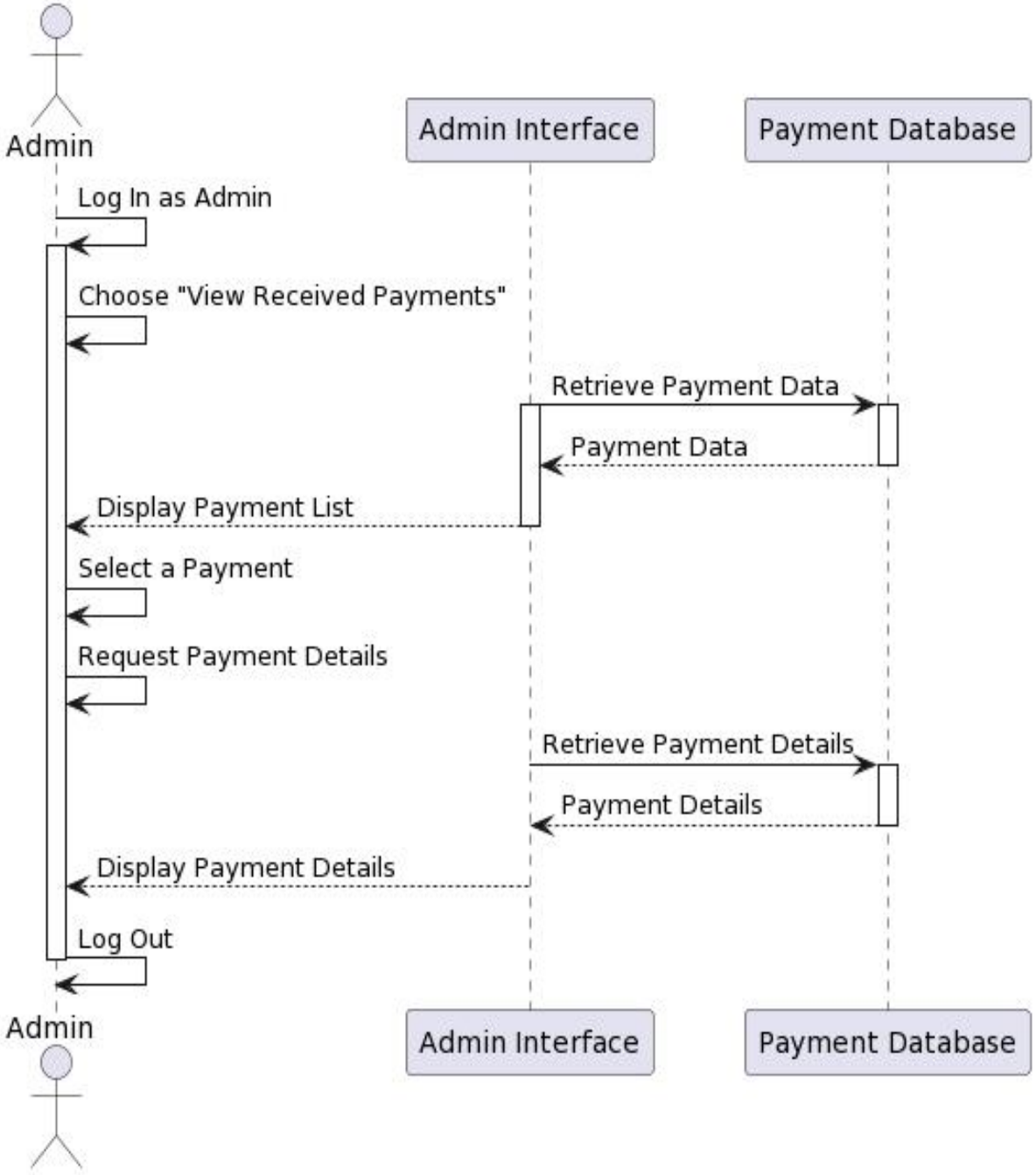

Figure 3.4.11: Receive Payment by Admin

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3.4.12 Help

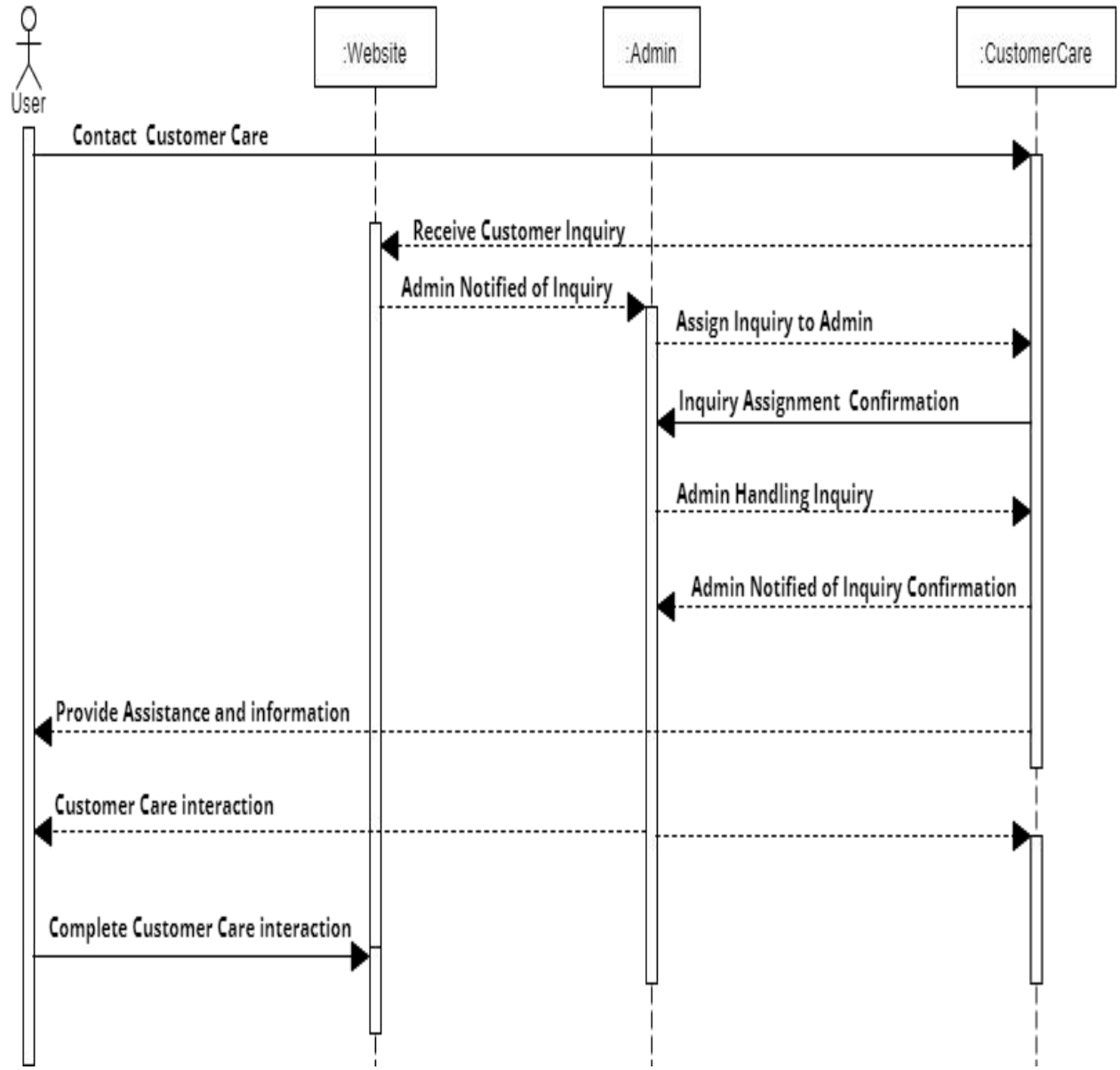

Figure 3.4.12:Help

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3.5 Entity Relationship Diagram

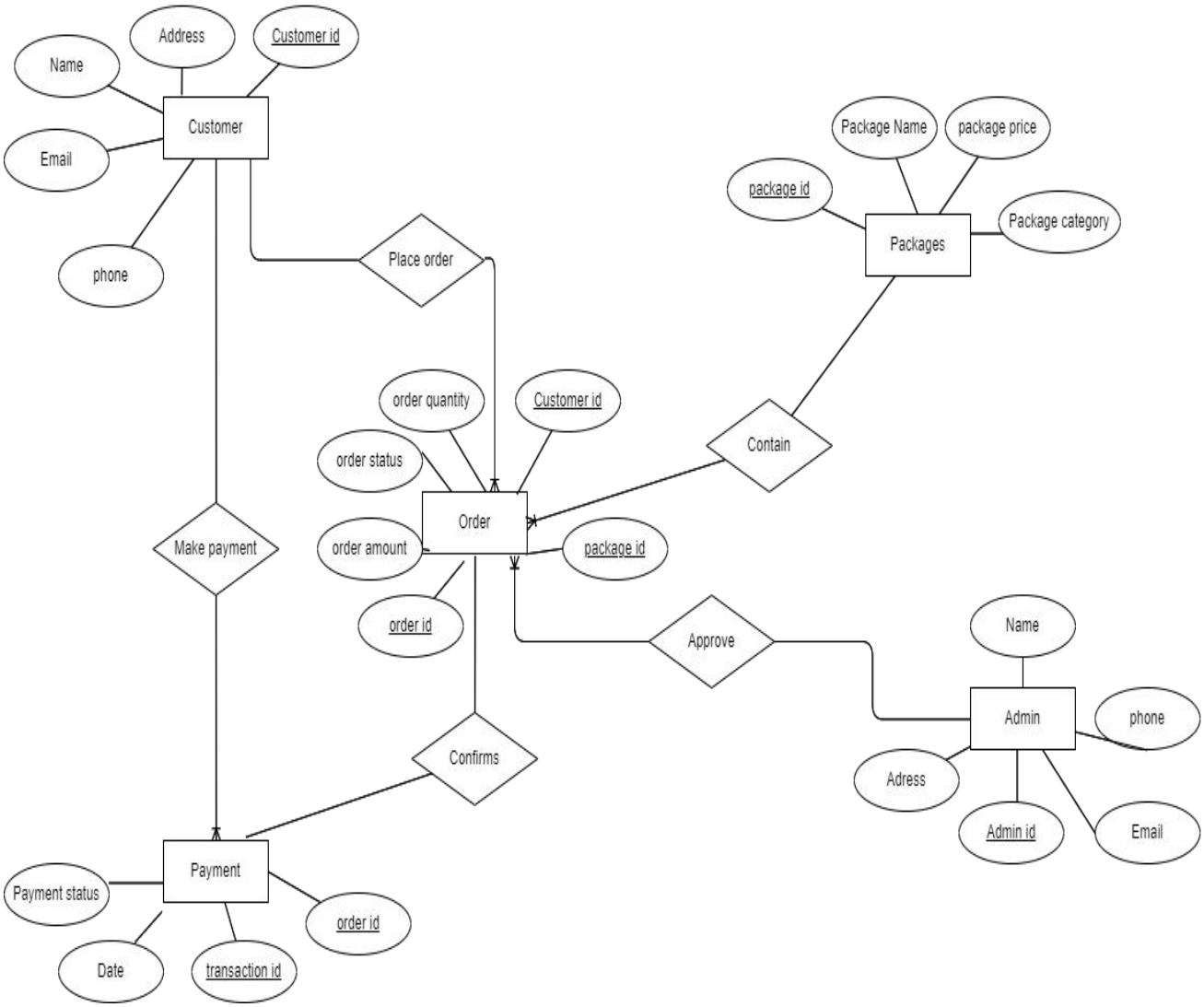

Figure 3.5:Entity Relationship Diagram

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3.6 Class Diagram

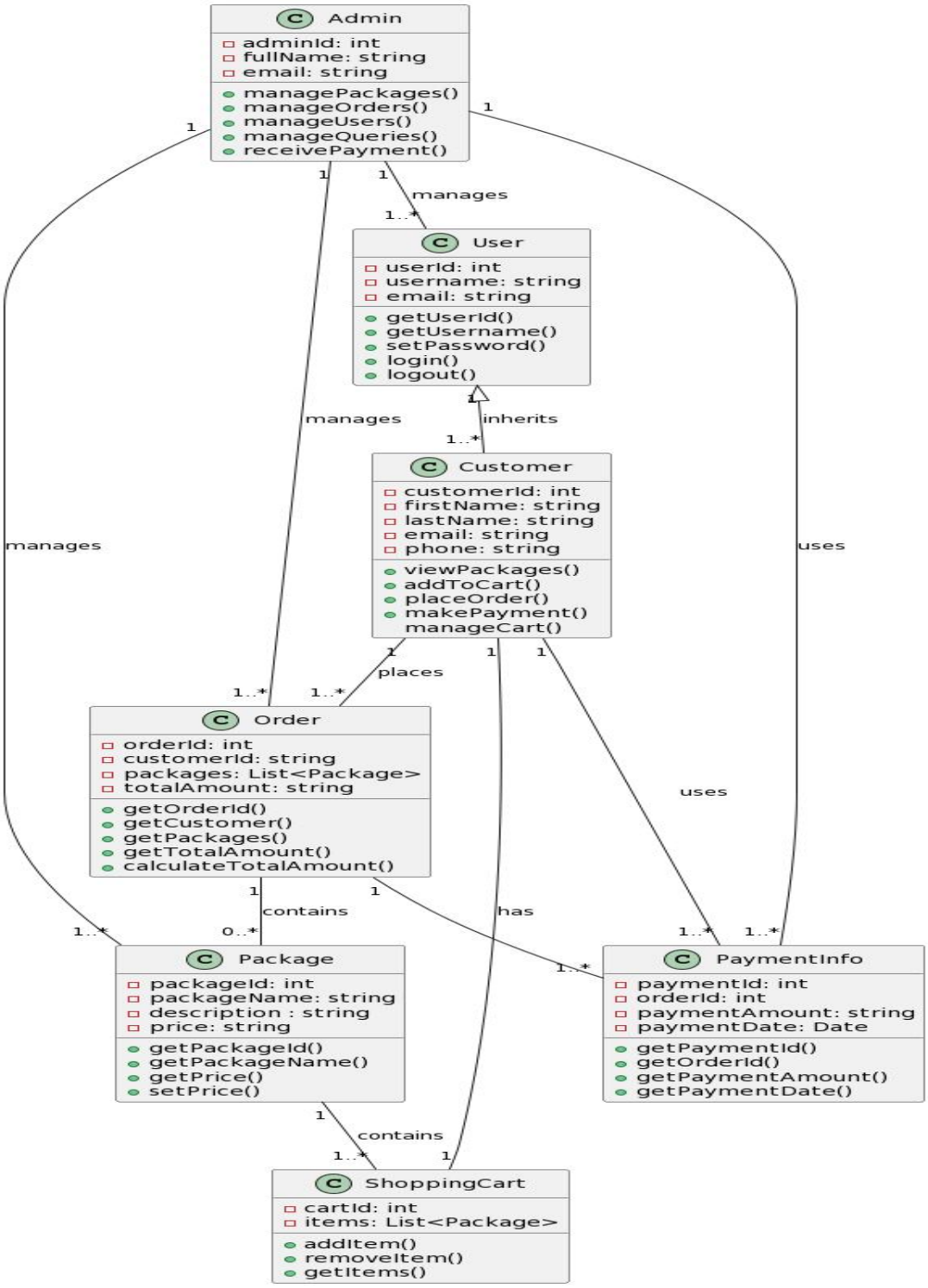

Figure 3.6: Class Diagram

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CHAPTER - 4
DEVELOPMENT TOOL AND TECHNOLOGY

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4.1 Integrated Development Environment (IDE)

Visual Studio Code (VS Code) serves as the integrated development environment (IDE) for the "Hili Event Planner" project. Its lightweight yet powerful features make it an ideal choice for streamlined coding and project management.

VS Code has intuitive interface, code navigation features, and integrated terminal enhance the development experience. Leveraging extensions, version control integration, and task automation, VS Code streamlines coding, ensuring efficiency and collaboration.

Figure 4.1: Integrated Development Environment tool VS Code

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4.2 Programming Language

The "Hili Event Planner" project is implemented using JavaScript, a versatile language known for its wide web compatibility. JavaScript's dynamic features are harnessed to create an interactive user interface, facilitate client-server communication, and handle events efficiently. With the support of frameworks like Node.js for server-side development, the project aims for scalability and responsiveness. The use of modern libraries such as React enhances the user interface, while JavaScript's asynchronous capabilities optimize online transactions and real-time updates.

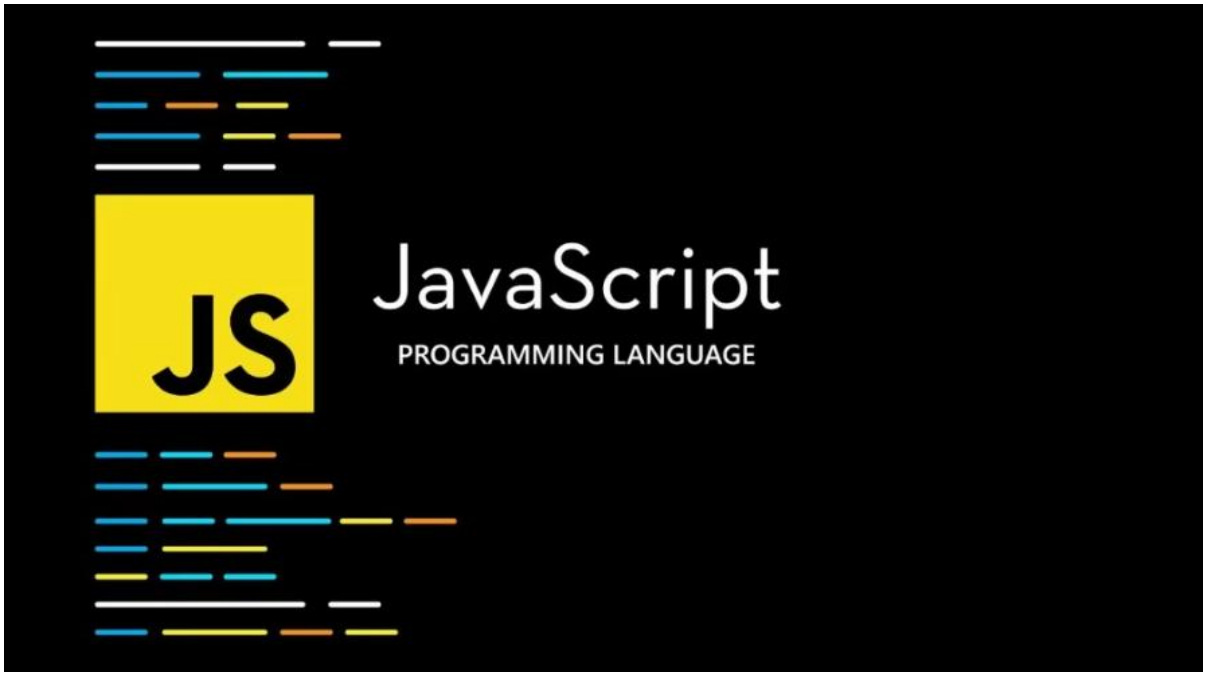

Figure 4.2: Programming Language JavaScript

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4.3 User Interface Design

The frontend of the "Hili Event Planner" project is developed using a robust stack, incorporating React, Tailwind CSS, and DaisyUI.This stack ensures a modern, responsive, and visually appealing user experience for the "Hili Event Planner" project.

4.3.1 React

React is a powerful JavaScript framework that provides a dynamic and efficient user interface, enabling the creation of interactive components and seamless updates.

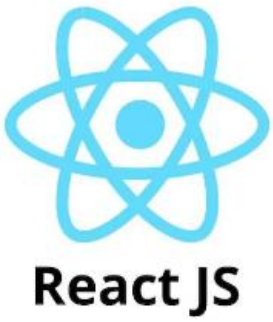

Figure 4.2.1:Framework React JS for "Hili Event Planner"

4.3.2 Tailwind CSS

Tailwind CSS enhances styling with a utility-first approach, facilitating rapid design iterations and maintaining a clean code base.

Figure 4.2.2: Framework Tailwind CSS for "Hili Event Planner"

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4.3.3 DaisyUI

DaisyUI, as an extension of Tailwind, adds additional UI components and features, further streamlining the frontend development process.

Figure 4.2.3 DaisyUI

4.4 Database

The backend of the "Hili Event Planner" project utilizes MongoDB, a NoSQL database. MongoDB's document-oriented design provides flexibility for storing and managing diverse event-related data. This choice supports efficient data handling, contributing to the project's goal of creating a robust and adaptable event management system.

Figure 4.4: Database of "Hili Event Planner"

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4.4.1 NodeJS

Node.js is employed as the backend technology for the "Hili Event Planner" project. Leveraging the asynchronous and event-driven architecture of Node.js enhances the efficiency and responsiveness of the server-side operations. This choice aligns with the project's goal of creating a scalable, fast, and real-time event management system, ensuring optimal performance and seamless communication between the frontend and the MongoDB database.

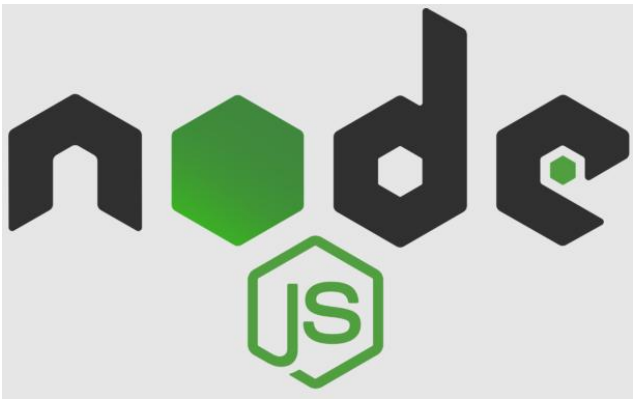

Figure 4.4.1: NodeJS

4.4.2 Express.JS

The backend of the "Hili Event Planner" project is powered by Node.js with the Express.js framework. Express.js simplifies the development of robust and scalable server-side applications, facilitating efficient routing, middleware management, and handling of HTTP requests. This combination of Node.js and Express.js ensures a streamlined and organized backend architecture, contributing to the project's goal of creating a responsive and feature-rich event management system.

Figure 4.4.2: Express.JS

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4.5 Deploy and Hosting

Google Firebase serves as the deployment and hosting platform for the "Hili Event Planner" project. Leveraging Firebase provides a scalable and reliable infrastructure for deploying web applications. Its seamless integration with the chosen technologies—React, Node.js, Express.js, MongoDB—ensures a cohesive and efficient deployment process. Firebase Hosting offers a fast and secure hosting solution, complementing the project's commitment to providing a responsive and accessible event management system.

Figure 4.5: Deploy and Hosting

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CHAPTER - 5
SYSTEM TESTING

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5.1 Testing Features

Feature testing is a software testing method that checks specific features or functionalities of an application to ensure they work as intended and meet specified requirements. It focuses on validating individual features for correctness and functionality.

5.1.1 Feature to be tasted

No	Feature	Description
1	Registration	Customer/Admin can create accounts by providing necessary information.
2	Login	Registered users can log in to their accounts securely.
3	View Package	Customers can browse and view available event packages.
4	Add to Cart	customers can add selected event packages to their shopping cart.
5	Place Order	Users can proceed to checkout and place orders for selected packages..
6	Payment Method	Secure payment methods are provided for customers to complete transactions.
7	Modify Package	Admins can add, remove, or update event packages.
8	Manage Order	Admins can view and manage customer orders.
9	Receive Payment	Admins can confirm and process online payments received for orders
10	Help	Users can access help and support features for assistance.

Figure 5.1.1: Feature to be tasted with description

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5.2 Testing Strategies

5.2.1 Test Approach

In my project, I ensure system quality through the use of two distinct testing approaches: black-box testing and white-box testing.

- Black-box testing evaluates the system's functionality without considering its internal structure, focusing on the external behavior.
- White-box testing examines the internal logic, structure, and code of the system to validate its correctness and uncover potential vulnerabilities.

5.2.2 Pass/Fail Criteria

Pass Criteria

- Functional requirements are met.
- Performance is within acceptable limits.
- Security measures are effective.
- User interface is intuitive.
- Compatibility is ensured.

Fail Criteria

- Critical functional requirements are not met.
- Performance exceeds acceptable limits.
- Security vulnerabilities exist.
- User interface is confusing.
- Compatibility issues are significant.

5.2.3 Test Schedule

Testing Phase	Time-frame
Create Testing Plan	Week 1
Unit Testing	During Development
Component Testing	During Development
Integration Testing	Week 1-2
System Testing	Week 3-4

Table 5.2.3: Test Schedule

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5.3 Test Cases

5.3.1 Test Case for Registration

Test Case ID	Description	Expected Result	Pass/Fail
01	User registers with valid information.	User account created successfully.	Pass
02	User attempts registration with existing email.	System prompts user that email is in use.	Fail
03	User registers with missing required fields.	System prompts user to fill in all required fields.	Fail

5.3.2 Test Case for Login

Test Case ID	Description	Expected Result	Pass/Fail
01	User logs in with correct credentials.	Successful login.	Pass
02	User enters incorrect password.	Login attempt fails; error message.	Pass
03	User attempts login with a non-existent account.	System prompts user that the account does not exist.	Fail

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5.3.3 Test Case for View Packages

Test Case ID	Description	Expected Result	Pass/Fail
01	User views the list of available packages.	Packages are displayed successfully.	Pass
02	User navigates to an invalid package.	System redirects user to the package not found page.	Fail
03	User filters packages by a specific category.	Packages within the selected category are displayed.	Pass

5.3.4 Test Case for Add to Cart

Test Case ID	Description	Expected Result	Pass/Fail
01	User adds a package to the shopping cart.	Package is added to the cart, and cart total is updated.	Pass
02	User tries to add an out-of-stock package.	System displays an "Out of Stock" message.	Fail
03	User adds multiple packages to the cart.	All selected packages are added, and cart total is updated.	Pass

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5.3.5 Test Case for Place Order

Test Case ID	Description	Expected Result	Pass/Fail
01	User places an order successfully.	Order confirmation is displayed to the user.	Pass
02	User tries to place an order with an empty cart.	System prompts the user to add items to the cart.	Fail
03	User places an order with a discount code.	Discount is applied, and the final amount reflects the discount.	Pass

5.3.6 Test Case for Payment Method

Test Case ID	Description	Expected Result	Pass/Fail
01	User selects a payment method and completes payment.	Payment is processed successfully, and order is confirmed.	Pass
02	User attempts payment with an invalid credit card.	System prompts the user to enter valid payment information.	Fail
03	User selects a payment method but cancels the transaction.	System returns the user to the checkout page without completing payment.	Fail

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5.3.7 Test Case for Manage Order

Test Case ID	Description	Expected Result	Pass/Fail
01	Admin views a list of customer orders.	List of orders with details is displayed.	Pass
02	Admin updates the status of an order.	Order status changes, and users are notified.	Pass
03	Admin attempts to view orders without proper authentication.	System prompts admin to log in.	Fail

5.4 Test Case Design

Designed By: Al Shams Shihab	Design date: 30-12-2023
Executed By:Al Shams Shihab	Execute Date: 30-12-2023
Short Description: "Hili Event Planner" undergoes thorough testing covering user registration, order processing, payment, and admin functions to ensure system reliability and functionality.	
Precondition: Go to "Hili Event Planner	

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CHAPTER - 6
USER MANUAL

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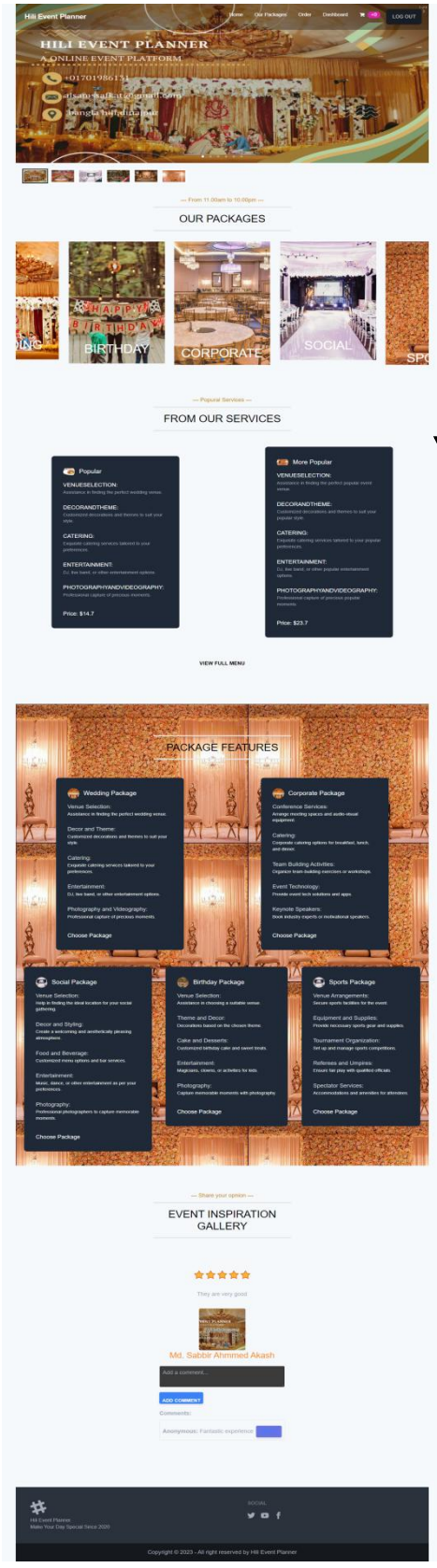
6.1 "Hili Event Planner" Home Page



User can veiw packages and log in for place order

Figure 6.1: "Hili Event Planner" Home Page

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6.2 Customer Registration

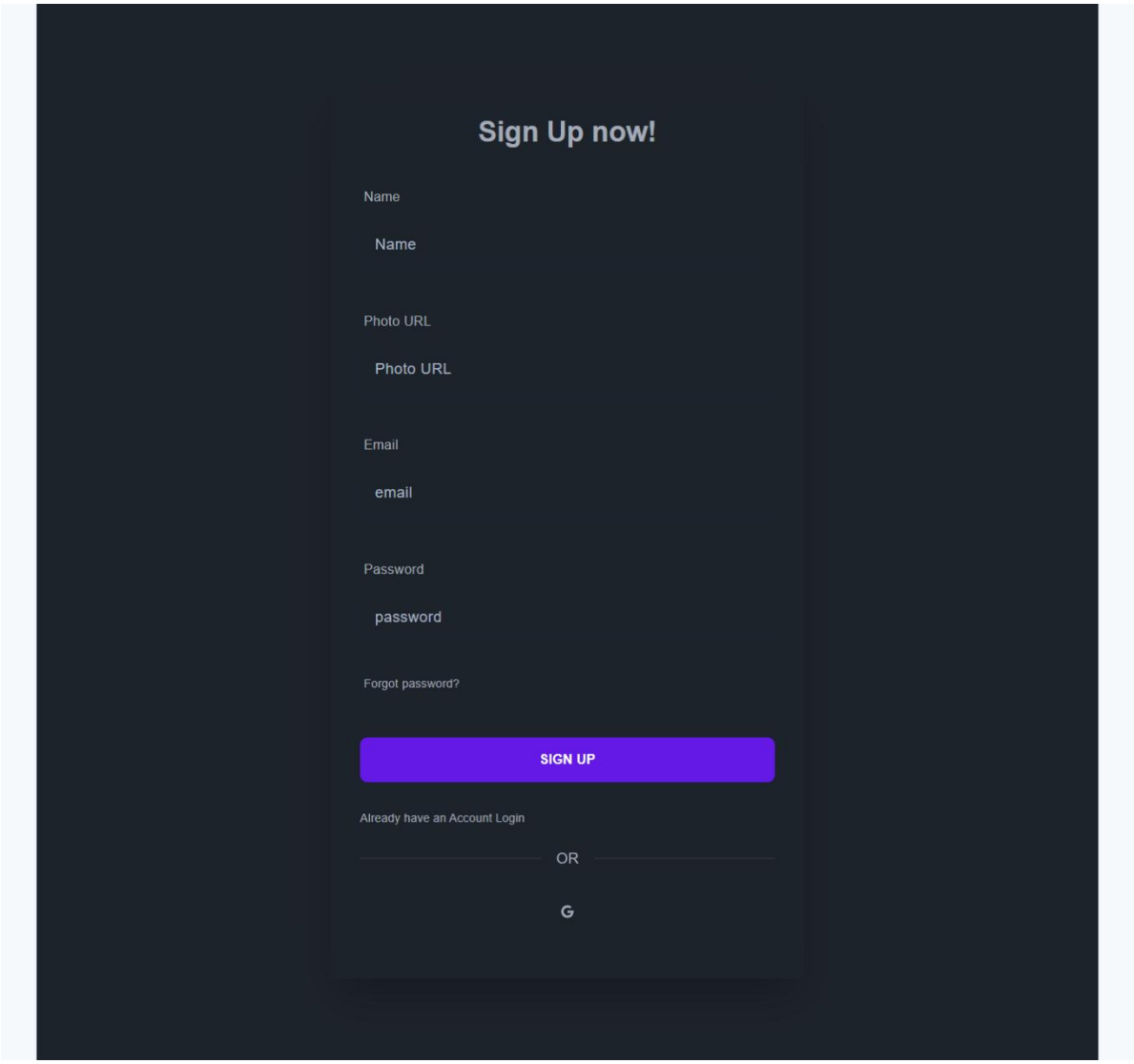

Figure 6.2: Customer Registration

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6.3 Customer Login

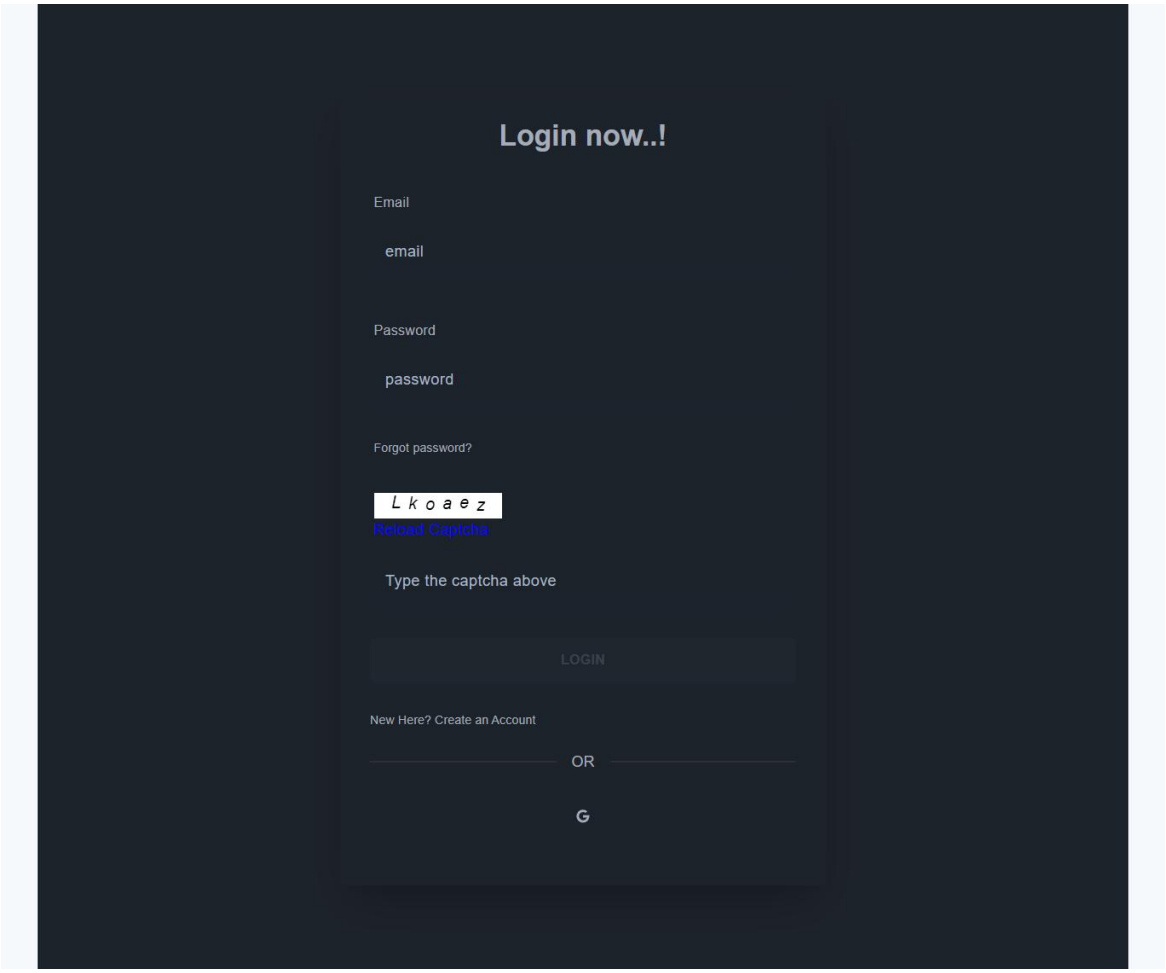

Figure 6.3: Customer Login

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6.4 View Packages

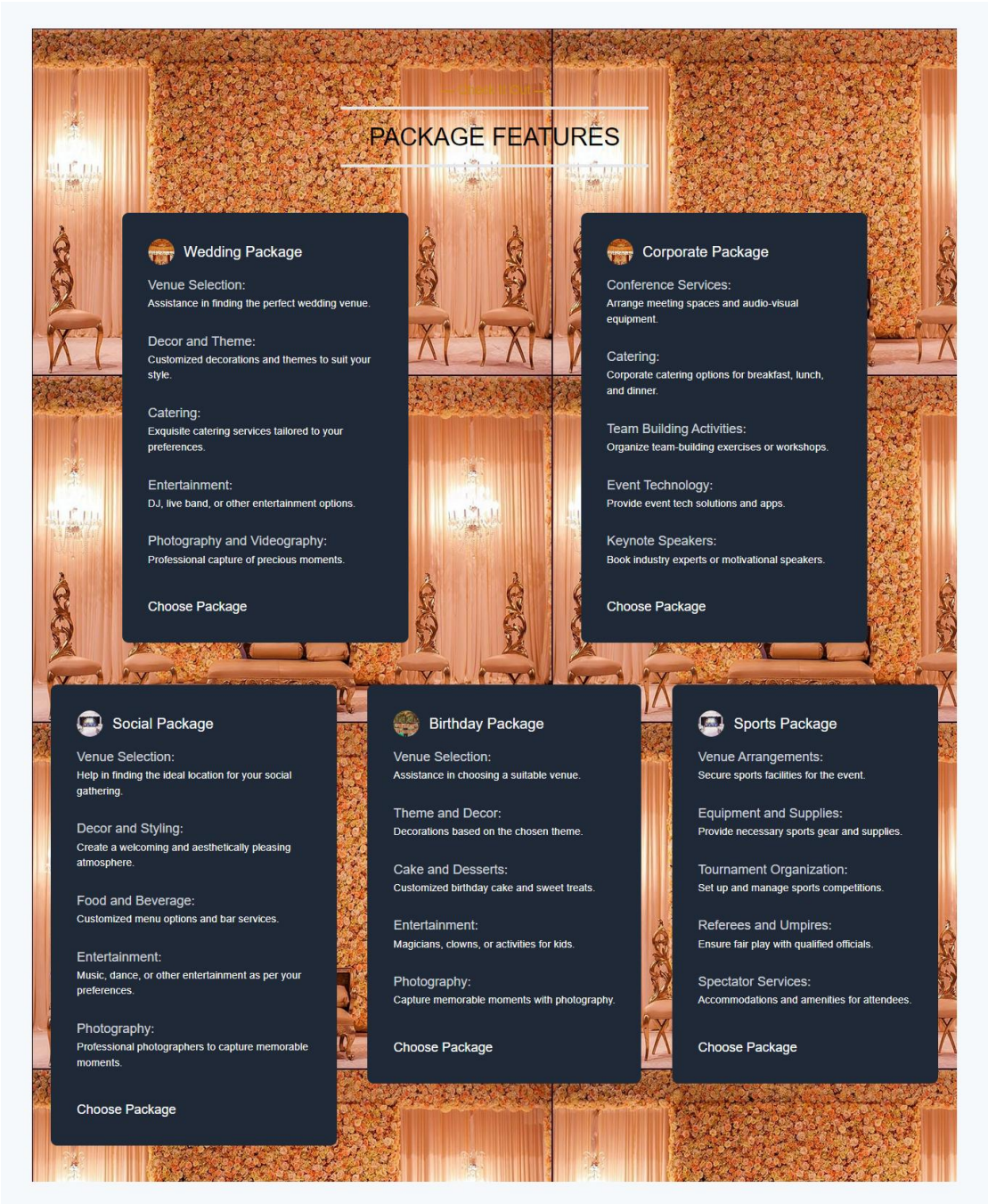

Figure 6.4: View Packages

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6.5 Add to Cart

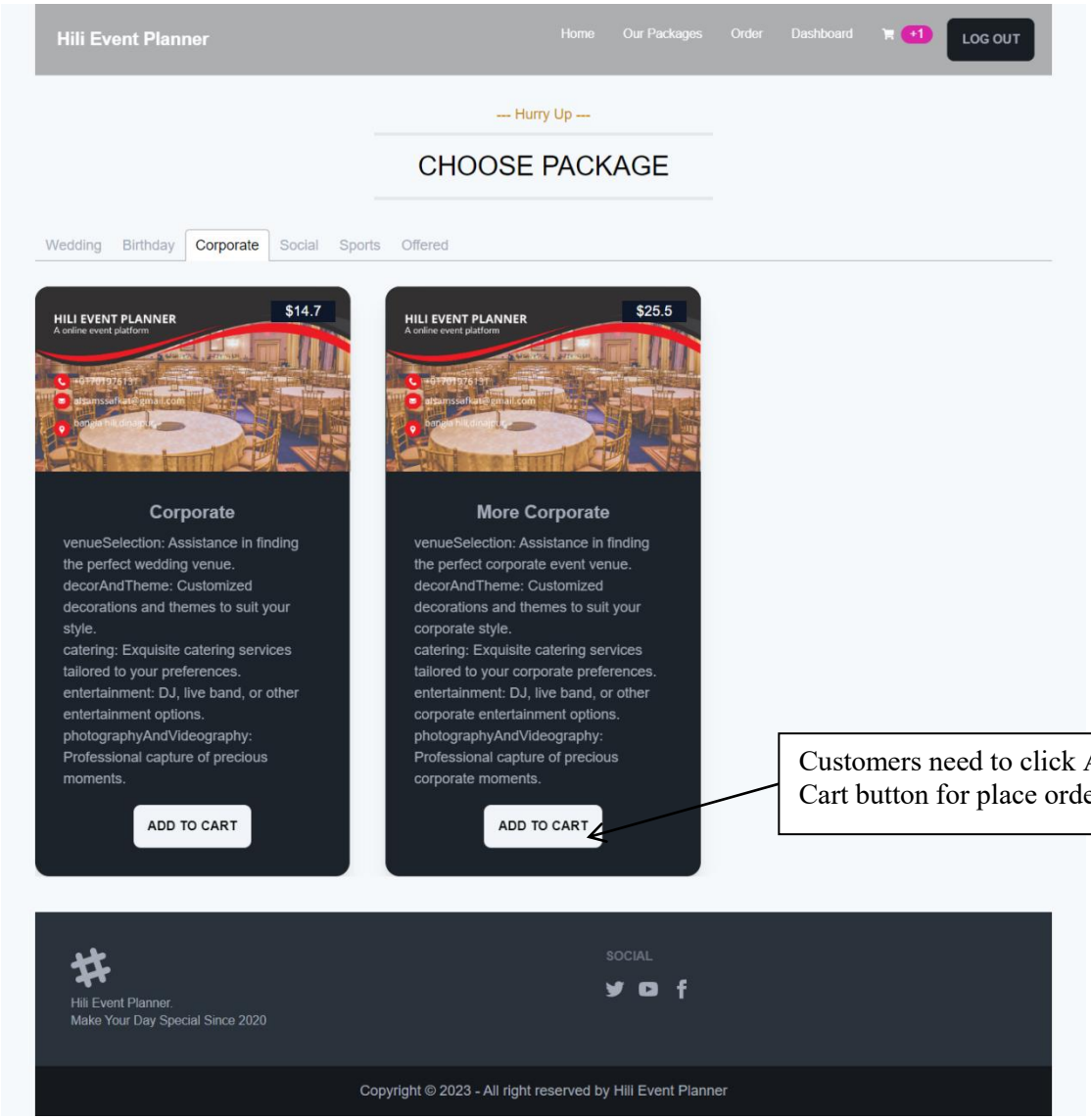

Figure 6.5: Add to Cart

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6.6 My Cart

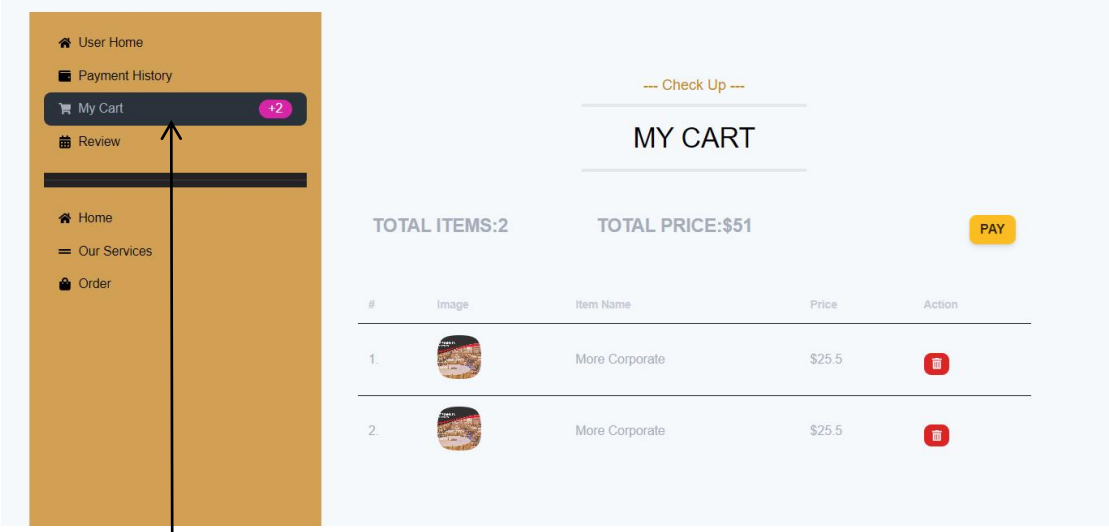

Figure 6.6: My Cart

6.7 Place Order with Payment

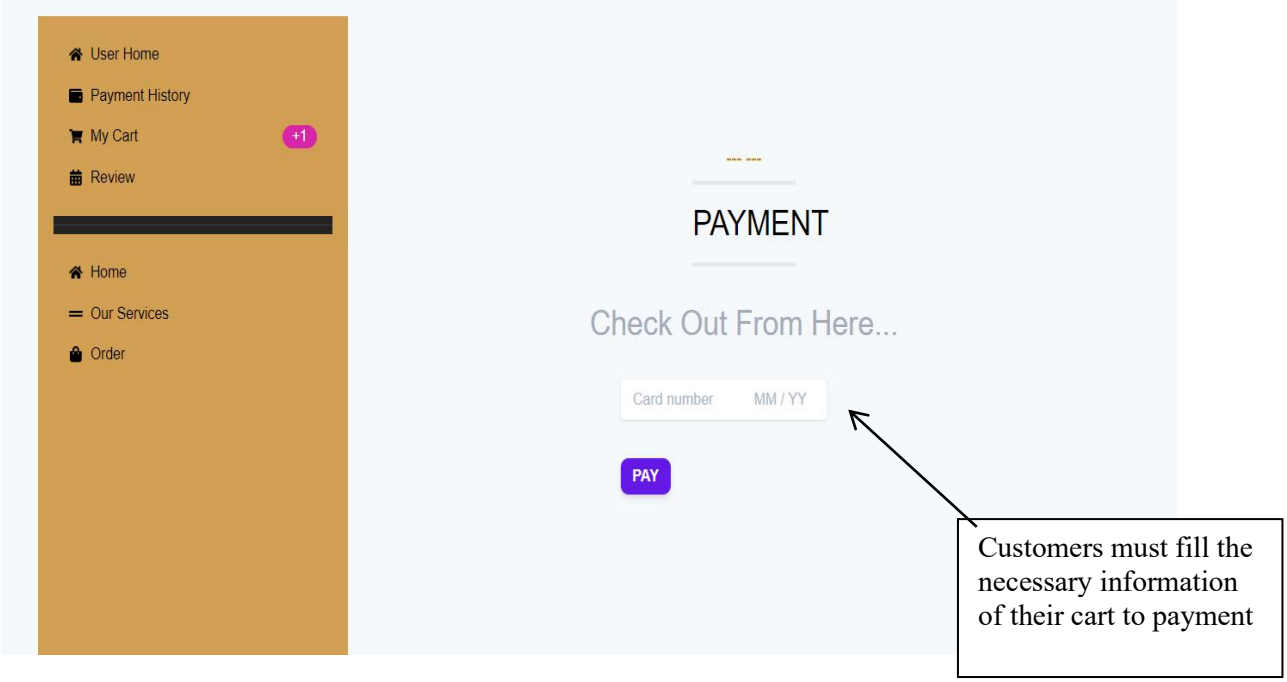

Figure 6.7: Place Order With Payment

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6.8 Payment Success

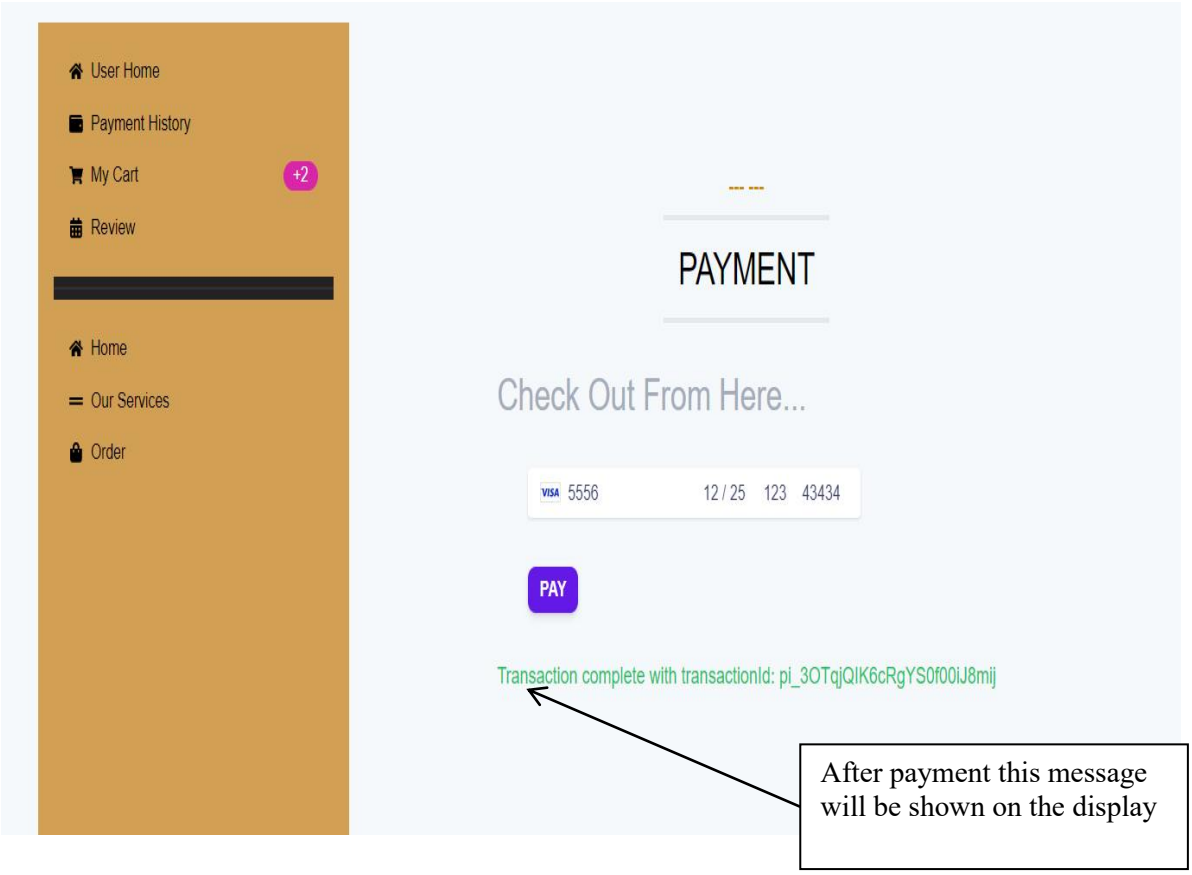

Figure 6.8: Payment Success

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6.9 Admin Login

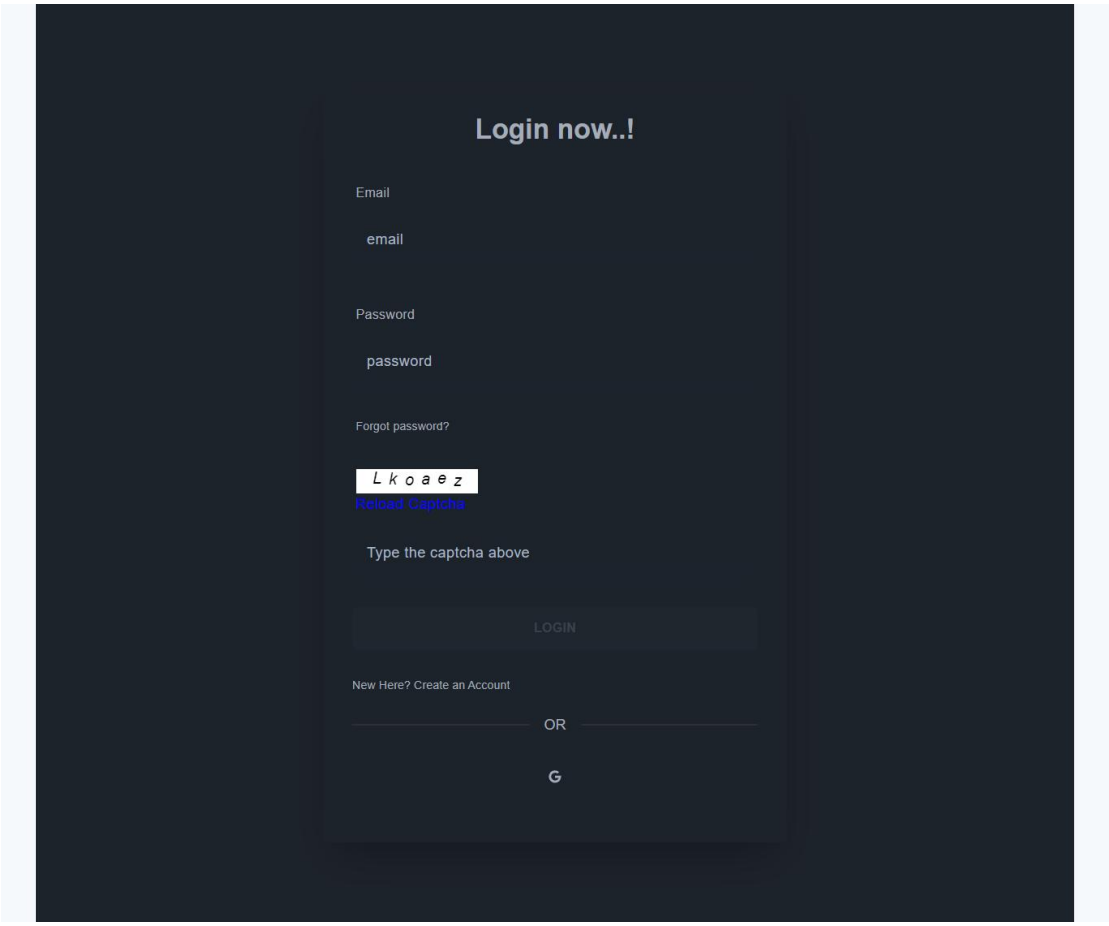

Figure 6.9: Admin Login

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6.10 Admin Dashbord

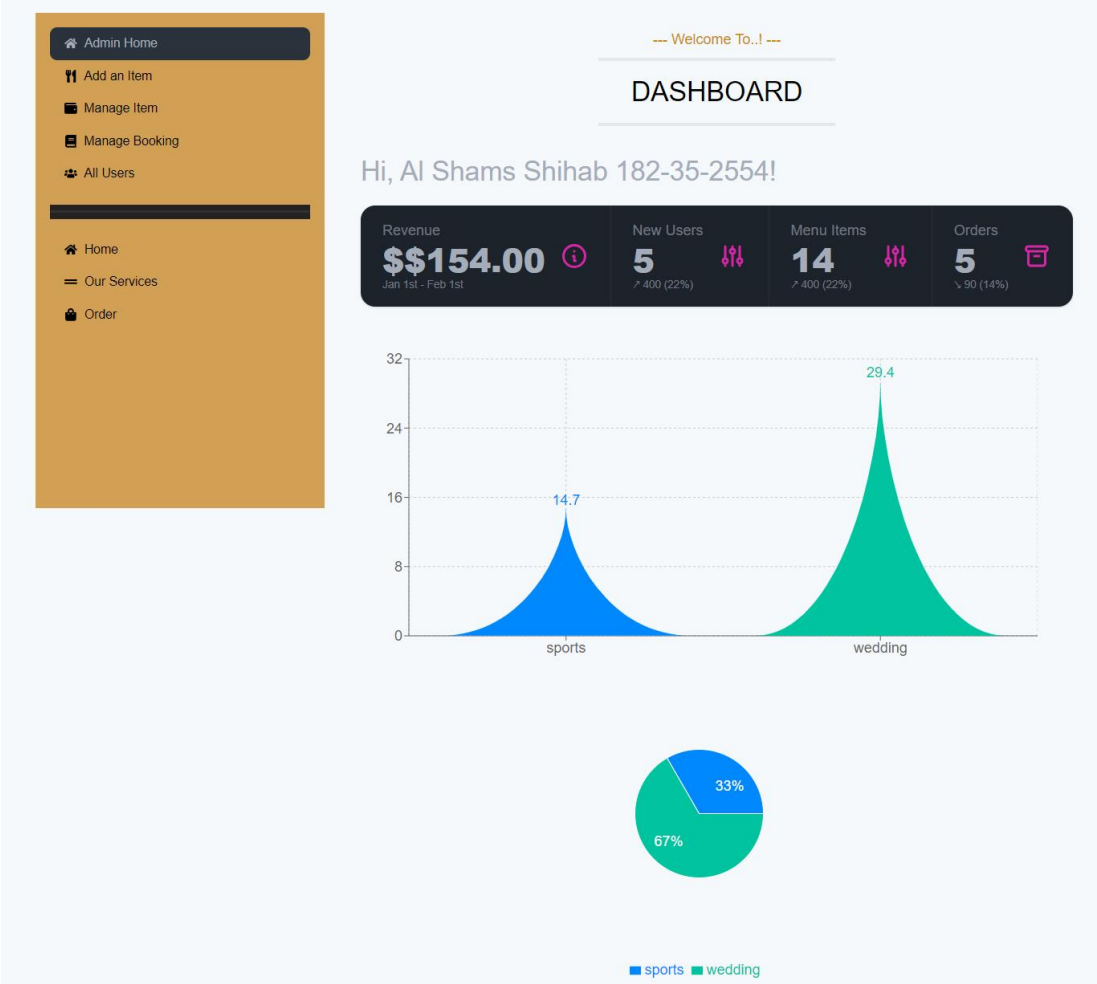

Figure 6.10: Admin Dashbord

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6.11 Modify Packages

Figure 6.11: Modify Packages

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6.12 Manage Packages

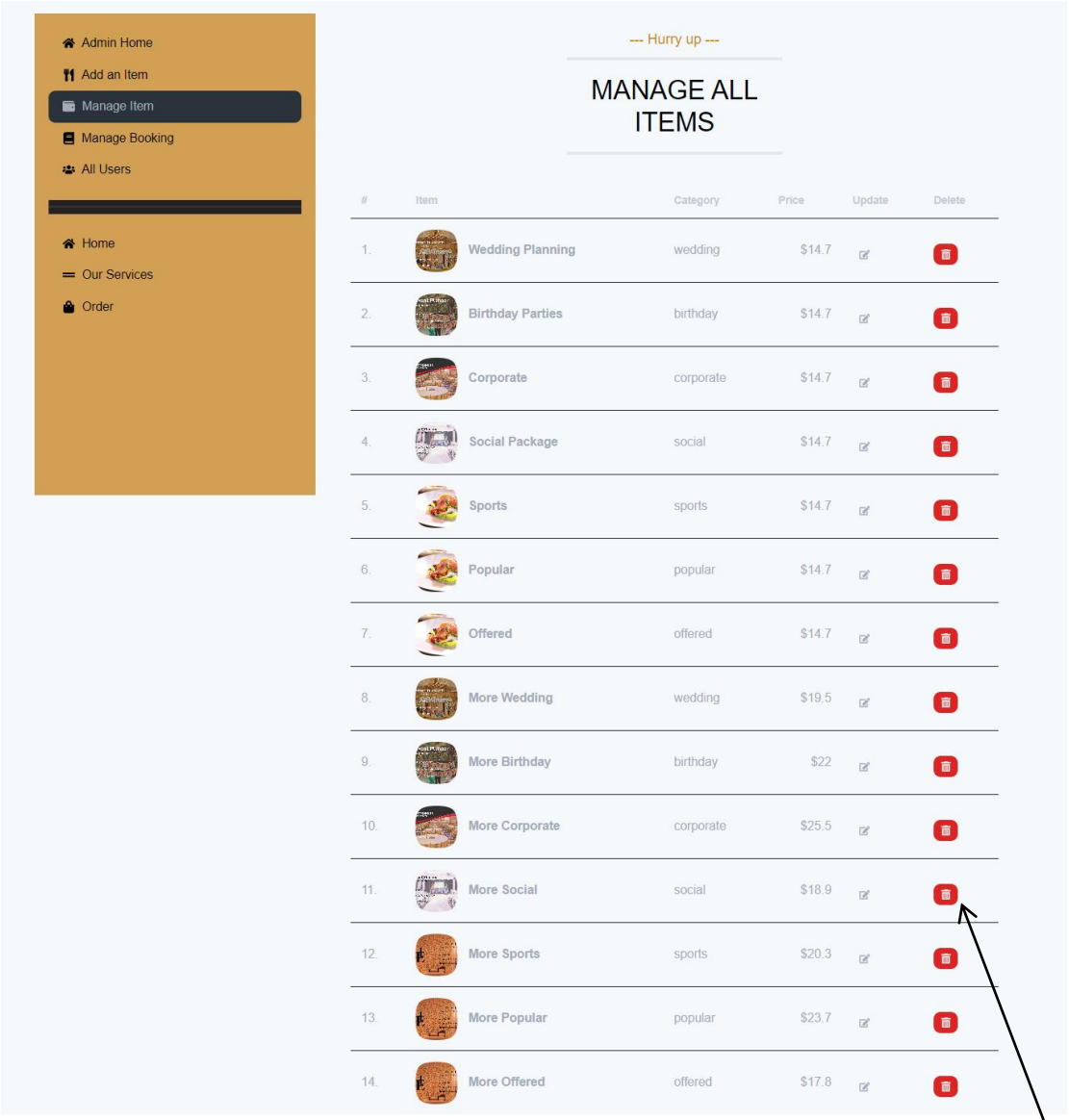

Figure 6.12: Manage Packages

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6.13 Manage Order

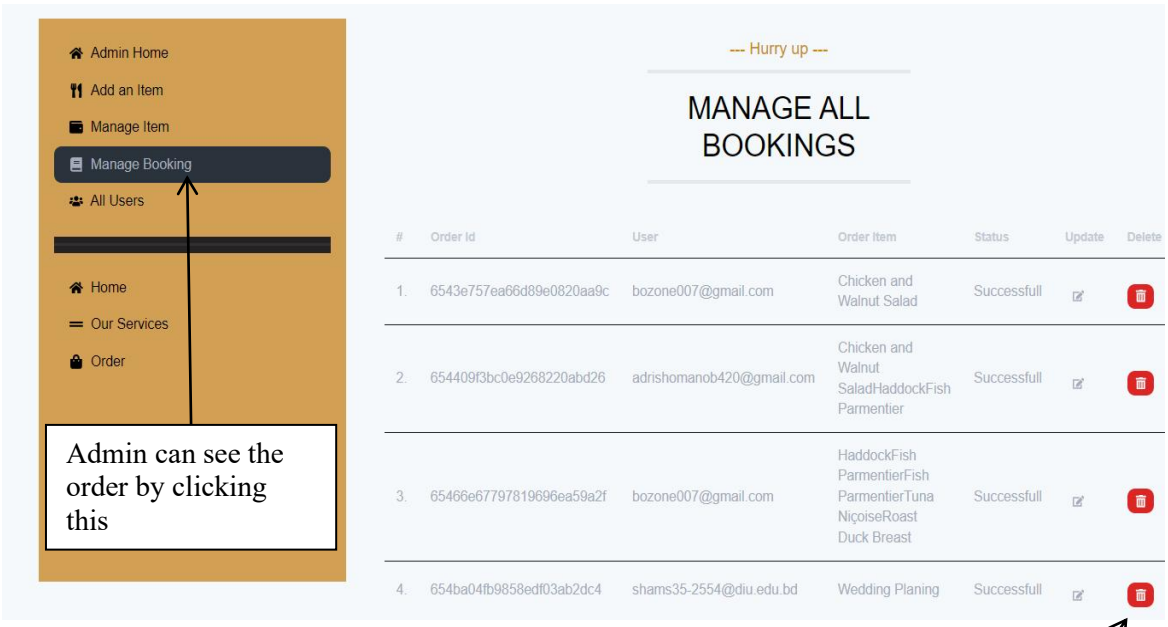

Figure 6.12: Manage Order

6.14 Manage Users

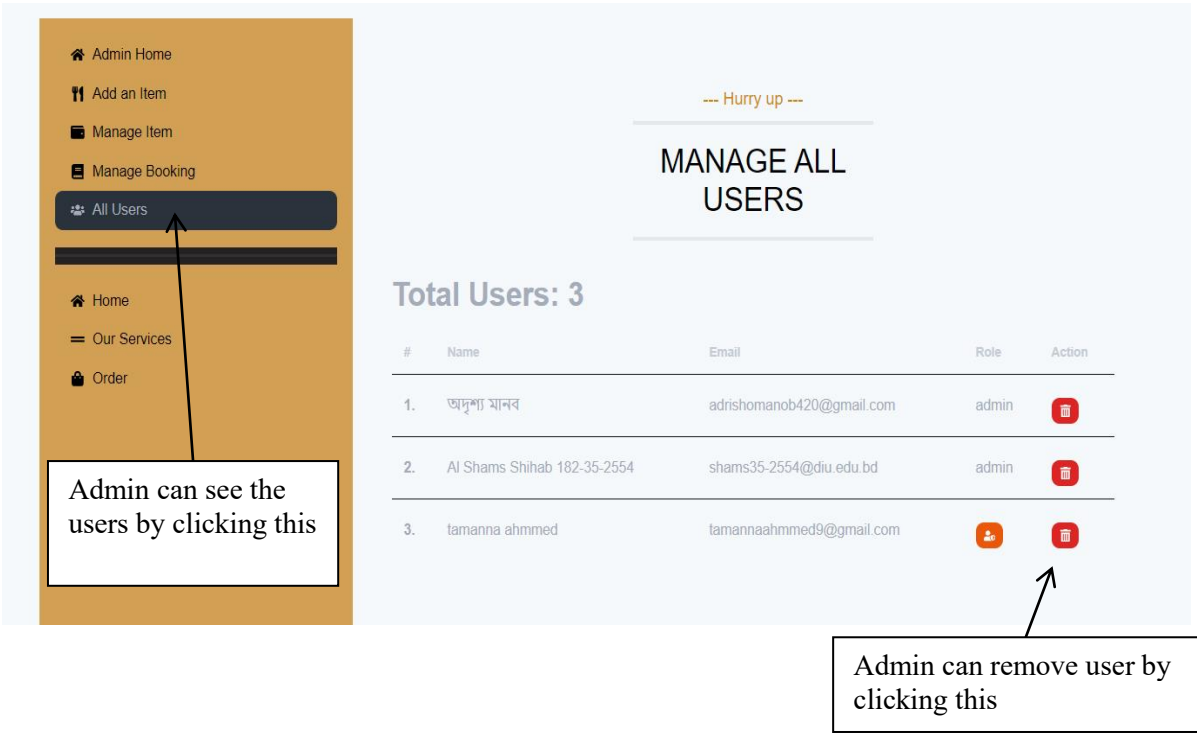

Figure 6.14: Manage Users

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6.15 Event Inspiration Gallery

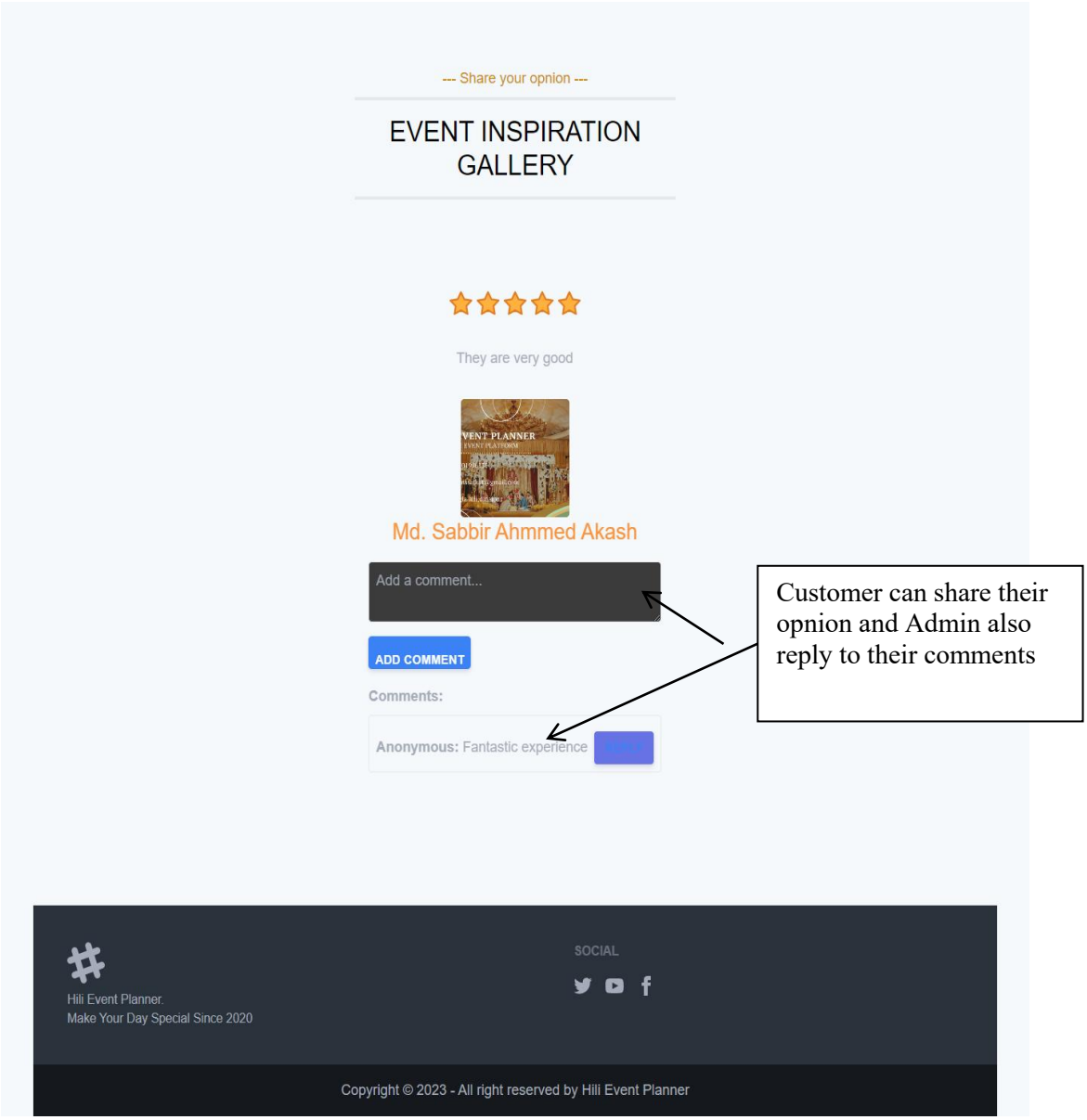

Figure 6.15: Event Inspiration Gallery

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CHAPTER – 7
CONCLUSION

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7.1 Project Summery

"Hili Event Planner" is an online event management system facilitating seamless event planning and organization. Customers can effortlessly explore and order from various event packages, making use of the user-friendly platform with online payment capabilities. Administrators are empowered to efficiently manage orders, update event packages, and oversee the system's overall functionality. The project's benefits extend to customers, who enjoy a streamlined event planning process, and administrators, who have robust tools for order management.

In conclusion, my project aimed to create an event management system that allows users to view event packages, make bookings, and facilitate payments. Throughout the project, I successfully implemented core features such as package management, user authentication, and order processing. I believe that this event management system will greatly benefit event organizers and customers by streamlining the event planning process.

7.2 Limitations

Despite its successes, "Hili Event Planner" has acknowledged certain limitations. These include dependency on a stable internet connection, potential device compatibility issues, ongoing security challenges, and reliance on user proficiency with online event planning tools.

7.3 Future Scope

Looking ahead, the project envisions continuous improvement and innovation. Future enhancements include AI recommendations, mobile app development, global expansion, data analytics, augmented reality integration, and heightened security measures for financial transactions. Real-time collaboration tools and voice/chatbot integration aim to provide a more intuitive user experience.

As we conclude this project, we anticipate its continued impact in the dynamic landscape of event management, providing users with an ever-evolving and reliable solution for their event planning needs.

7.4 Project Link

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APPENDIX A

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A. Project Timeline

Development Phases

1. Planning &Analysis:

- Brainstorming and idea generation for "Hili Event Planner."
- Defining project scope and objectives.
- Detailed planning of features and functionalities.

2. Design:

- Designing the user interface and database structure.

3. Development:

- Coding the frontend and backend components.
- Integrating features and conducting iterative testing.

4. Testing:

- Comprehensive testing of all functionalities.
- Identifying and addressing bugs and issues.

5. Deployment:

- Launching the platform for initial users.
- Continuous monitoring and performance optimization.

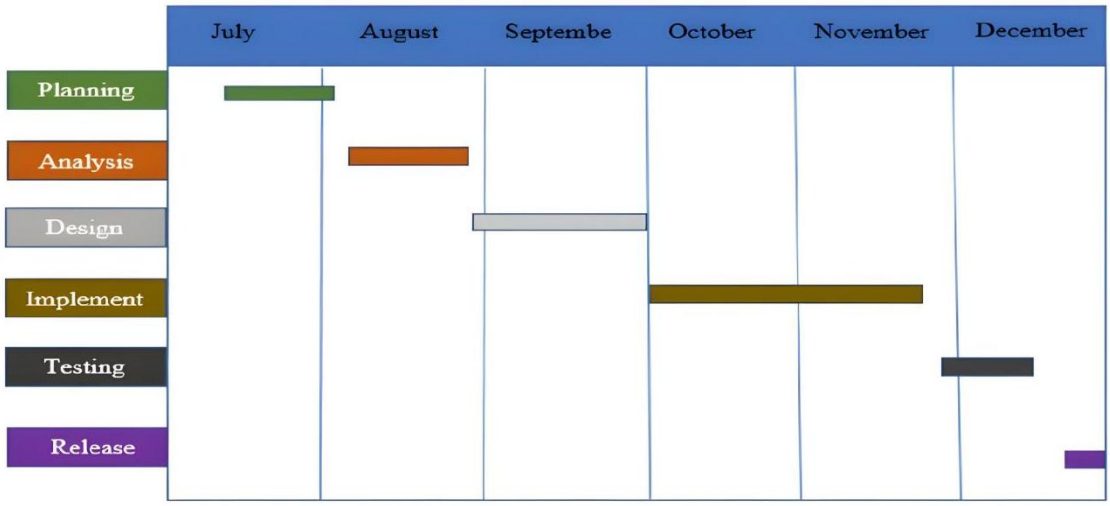

Figure 8.1: Project Timeline

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Reference

- https://chat.openai.com/
- https://www.eventbrite.com/l/event-management-software/
- https://www.cvent.com/en/event-management-software
- https://www.anantabd.net/virtual-event-organiser/

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