Payal’s Kitchen

A delicious journey into food delivery solutions

Project Defination Description

Payal’s Kitchen is an online food service platform designed to provide customized **Tiffin services** and **event meal ordering**. The system introduces a flexible **subscription-based** model with plans such as Basic, Premium, and Exotic, each offering unique daily menus. Subscriptions are available on monthly, quarterly, and yearly bases to cater to various customer needs. The menu under each plan is refreshed daily, ensuring variety and freshness. Apart from regular tiffin services, Customers can also place **custom orders** without a subscription. A dedicated module for event ordering allows bulk meal planning for special occasions. The platform simplifies meal management through an intuitive online ordering.

Company description

- **Company**: Payal’s Kitchen
- **Owner** : Payal Bhatt
- **Overview**: Payal’s Kitchen is a home-based tiffin service offering fresh, hygienic, and home-style meals. It provides daily lunch and dinner, event orders, and customizable menus. Timely delivery and quality are a priority. Weekly and monthly subscriptions are also available.
- **Contact**: 8780118707
- **Address:** A-47 Nigam Society, Ghodasar, Ahmedabad

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Abstract

- The Tiffin and Event Catering Management System is designed to simplify and automate daily meal subscriptions and event catering services.
- It enables customers to select subscription plans or event packages, customize their orders, and make secure online payments.
- Administrators can efficiently manage products, categories, offers, and monitor customer activities from a centralized dashboard.
- Employees can track their assigned tasks with ease.
- Overall, this system enhances efficiency, transparency, and customer satisfaction in food delivery and event catering operations.

Objectives

- To develop a centralized system that manages daily tiffin services and event catering efficiently.
- To enable customers to browse, subscribe, and place orders easily through an online interface.
- To allow admins to handle packages, menus, and employee tasks seamlessly.
- To maintain accurate records of payments, feedback, and event bookings.
- To minimize manual effort and improve service speed, reliability, and customer satisfaction.

EXISTING SYSTEM

- Customers order food manually via phone calls or WhatsApp.
- No subscription system
- Menus are fixed or sent daily over messages – no real-time updates.
- No support for one-day or event-specific custom orders.
- No digital payment facility.
- Difficult to manage multiple customers, payments, and preferences.
- Admins handle everything manually – menu planning, order count, customer data.

PROPOSED SYSTEM

- Web-based platform for easy meal ordering and subscription.
- Multiple subscription plans (Basic, Premium, Exotic) with daily refreshed menus.
- Support for custom one-day orders and event orders.
- Customer dashboard to manage orders, payments, and subscriptions.
- Admin panel for managing menu, orders, Customers, and generating reports.
- Real-time order management and automated reminders.
- Integration of online payments and email invoice generation.
- Improved accuracy, speed, and customer satisfaction

Tools & Technology

Frontend

- HTML5
- CSS3
- JavaScript (Es7)
- React.js (18.2)
- Node.js (22.14)
- TailwindCSS (4.0)

Backend

- Mongo DB

Web Server

- Express JS (5.1)

Reporting Tool

- Rechart (3.1.0)

Other Tools

- Canva
- Vs Code
- Draw.Io (28.7)
- MS Word (Office 2024)

Group size

Div	Roll Number	Full Name
A	66	Kushal DipakBhai Thakkar
A	50	Jiya HiteshBhai Prajapati
A	60	Khushi DharmeshBhai Khatri

Brief Introduction of Modules

1. Authentication

This module enables customers to register and log in safely. It verifies the credentials of both customers and employees prior to granting access. Additionally, it supports role-based access for staff and customers while ensuring data security through password encryption.

2. Customer Management

Stores and manages customer personal and contact details. Tracks customer orders, activities. Customer can purchase Subscription or custom ordering. Helps deliver personalized and efficient service.

3. Daily Menu & Custom Order

Customers will receive the Daily Menu displayed on their screens, which the admin will update each day. This feature enables customers to order a Tiffin based on that day's menu.

Brief Introduction of Modules

4. Employee Management

Maintains records of employee details and . Tracks attendance, and assigned tasks. Admin can add, update, or remove employee data. Admin can schedule the employee to finish or deliver the tiffin or orders.

5. Offers & Discount Plans

Enables admin to create and manage various offers. Supports time-based or seasonal discount schemes.Attracts new customers and retains existing ones. Boosts customer engagement and sales.

6. Subscription Plans

Manages different subscription types like monthly/yearly. Allows Customers to select, renew, or cancel plans. Tracks subscription status and renewal status. Improves recurring revenue and Customer convenience.

Brief Introduction of Modules

7. Event Ordering

Customers can place orders for events or multiple events at a special price by choosing from five attractive package options. These packages offer various choices, and orders can be made even for large gatherings.

8. Feedback

Collects feedback and ratings from customers. Helps identify service issues and improvements. Stores the feedback on which the admin takes appropriate actions.

9. Notification

The user will get notified when he purchase subscription or books a custom order or Event orders, they’ll be notified on the signup and registration

Feasibility Study

- The system is **Technically feasible**, using reliable technologies such as MongoDB, Node.js, React, and Tailwind CSS.
- It is **Economically feasible**, requiring minimal setup and maintenance cost for small to medium-scale businesses.
- The **Operational feasibility** is strong, as the system ensures smooth coordination between customers, administrators, and employees.
- It is also **Legally feasible**, adhering to data security and privacy standards.

Therefore, the project is practical, cost-effective, and scalable for real-world catering and tiffin management applications.

USECASE DIAGRAM

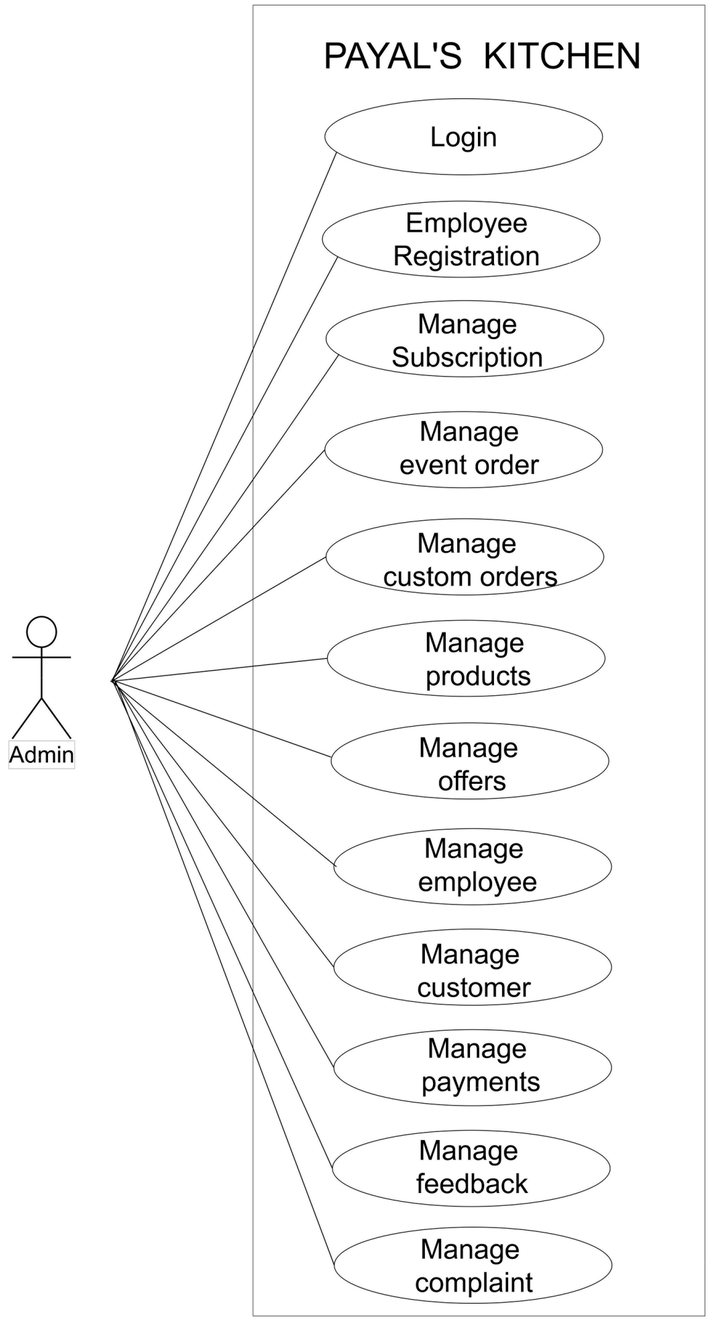
ADMIN

EMPLOYEE

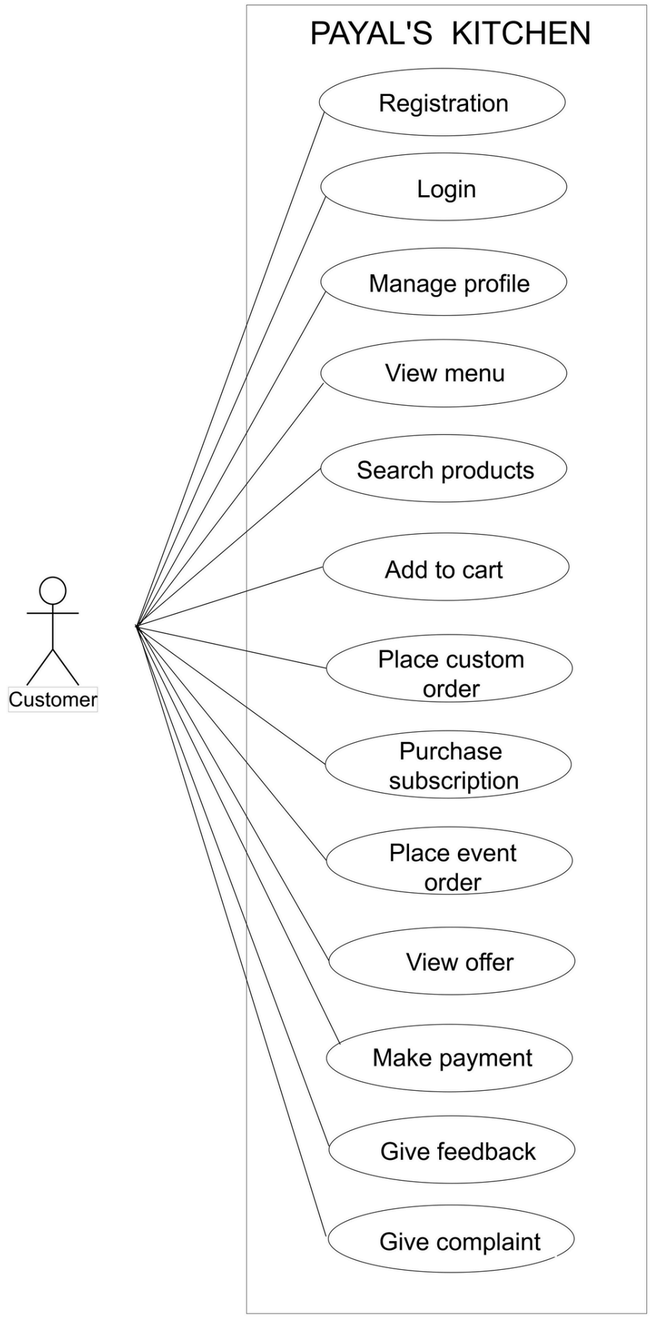
CUSTOMER

VISITOR

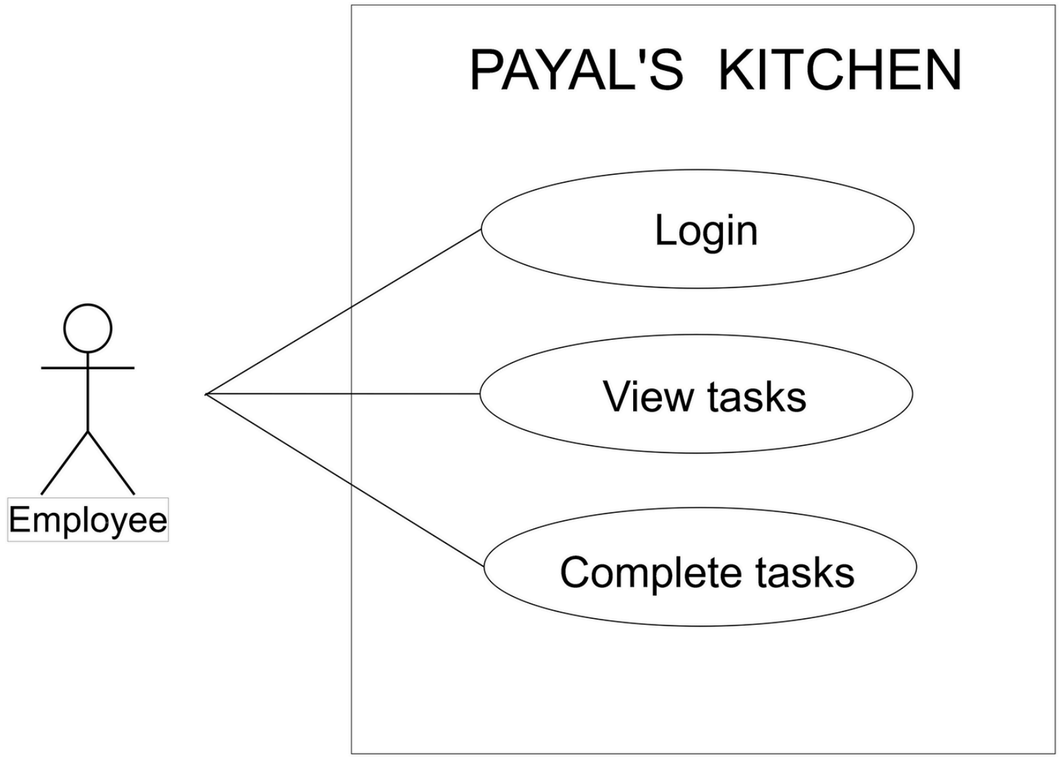
ADMIN


PAYAL'S KITCHEN
Login
Employee Registration
Manage Subscription
Manage event order
Manage custom orders
Manage products
Manage offers
Manage employee
Manage customer
Manage payments
Manage feedback
Manage complaint
Admin

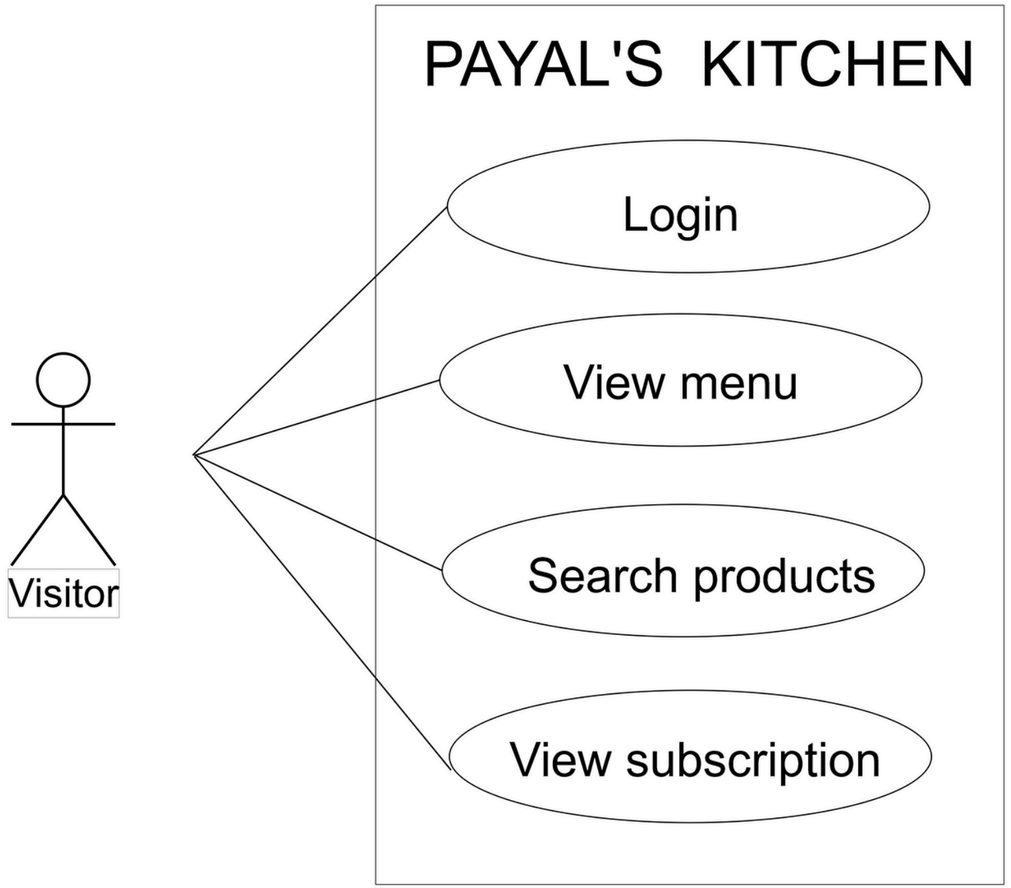
CUSTOMER


PAYAL'S KITCHEN
Registration
Login
Manage profile
View menu
Search products
Add to cart
Place custom order
Purchase subscription
Place event order
View offer
Make payment
Give feedback
Give complaint
Customer

EMPLOYEE



VISITOR


PAYAL'S KITCHEN
Login
View menu
Search products
View subscription
Visitor

SEQUENCE DIAGRAM

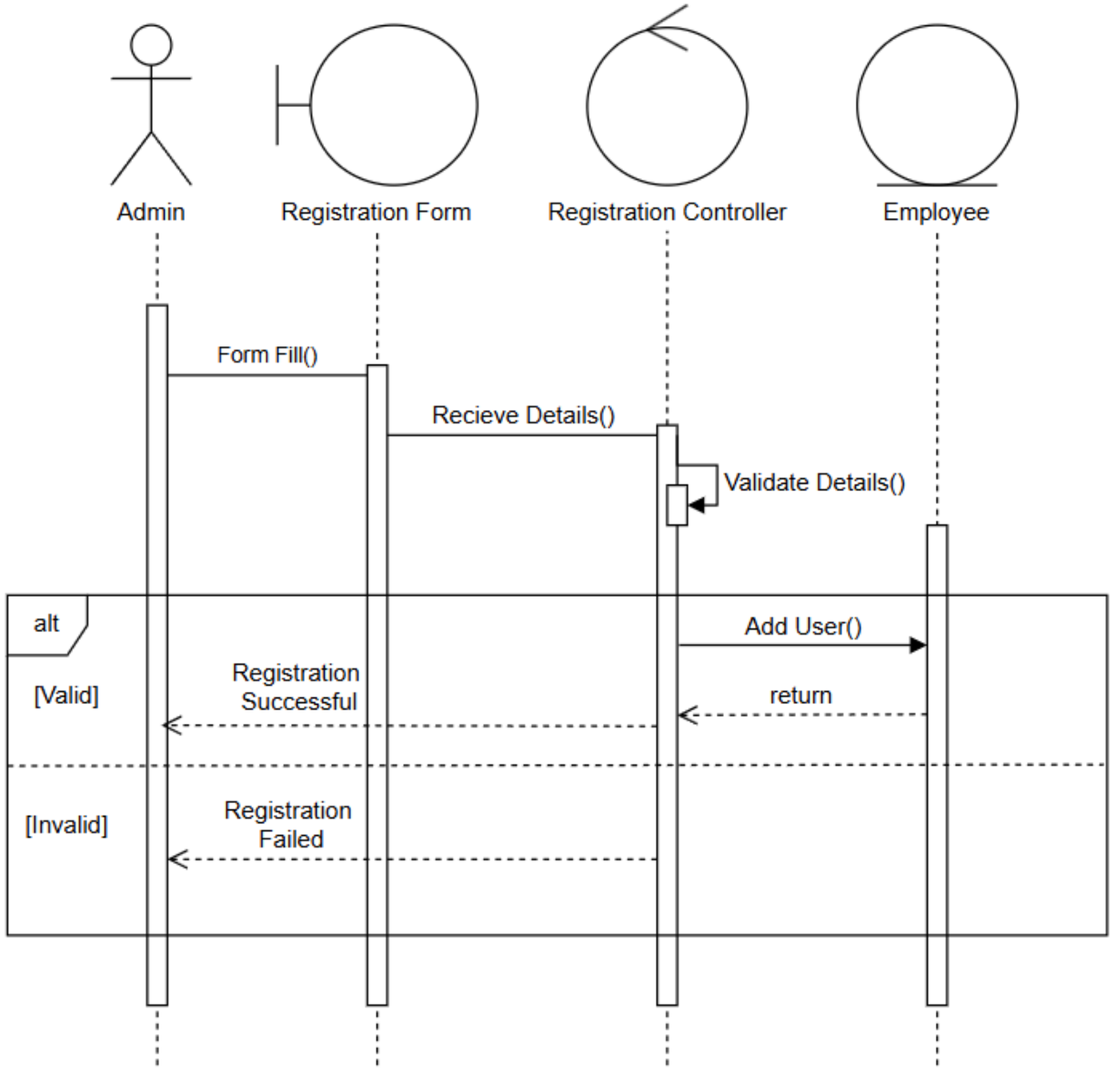
REGISTRATION

LOGIN

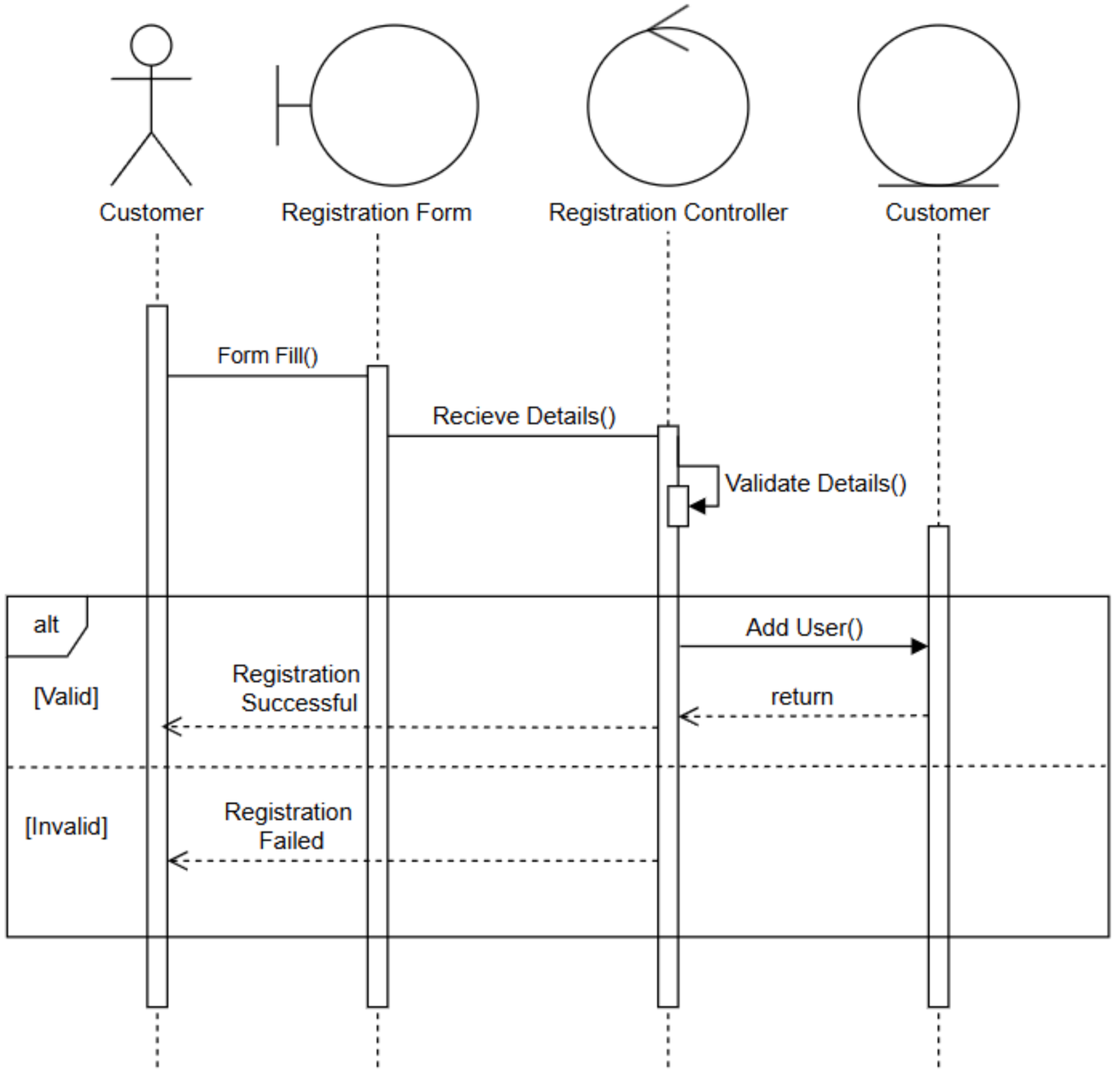
EVENT ORDERING

SUBSCRIPTION

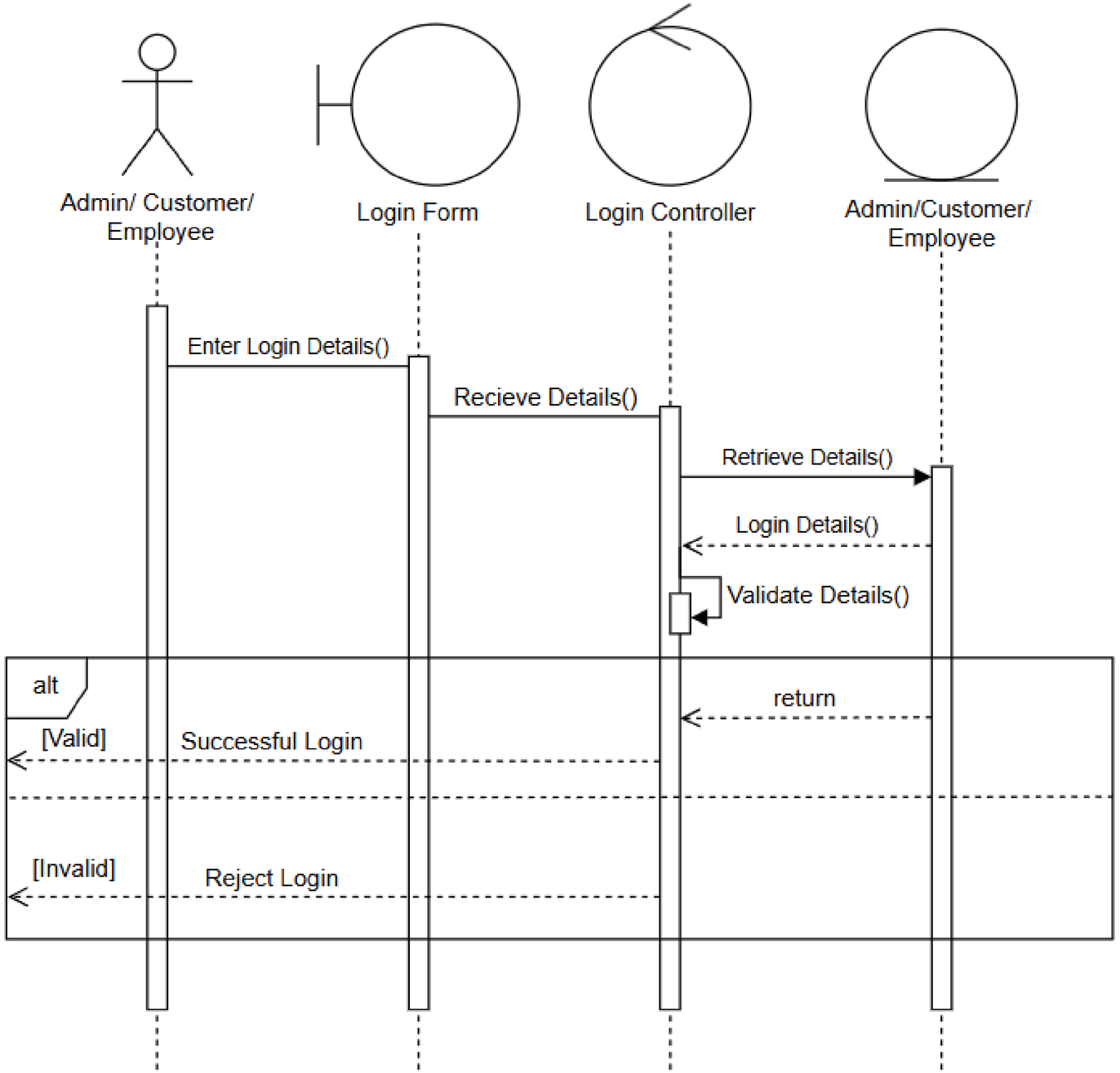
REGISTRATION



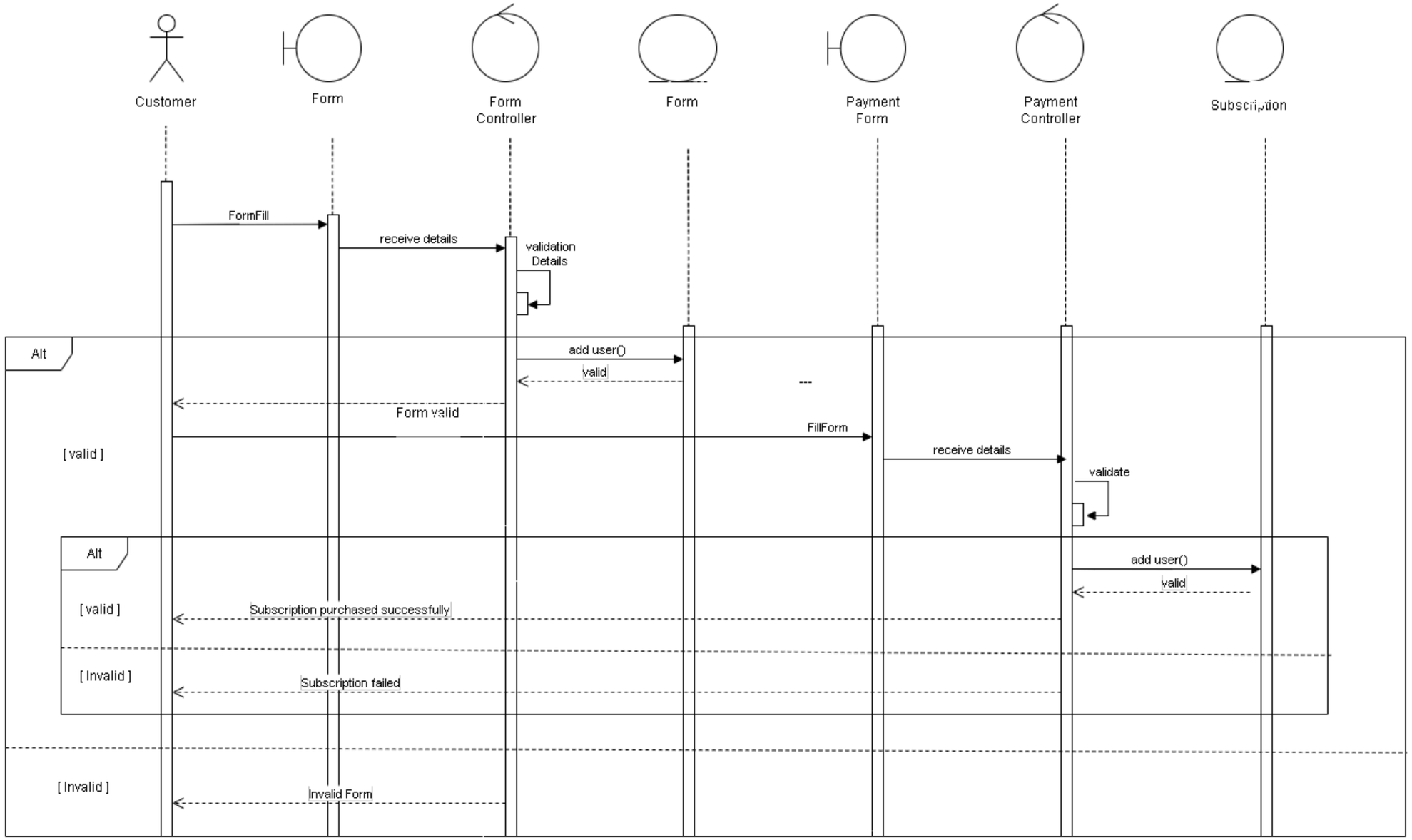
REGISTRATION



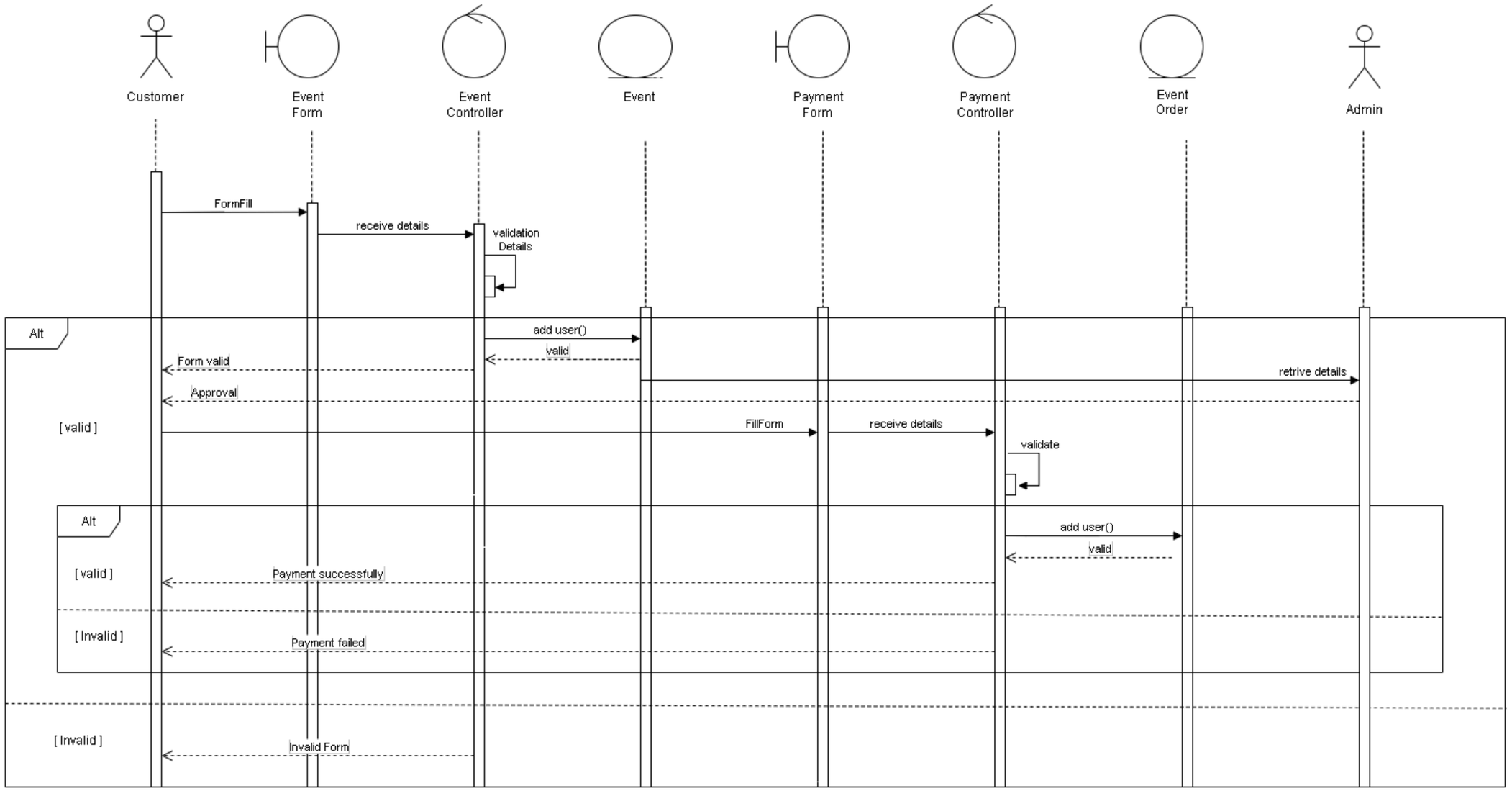
LOGIN


Admin/ Customer/
Employee
Login Form
Login Controller
Admin/Customer/
Employee
Enter Login Details()
Recieve Details()
Retrieve Details()
Login Details()
Validate Details()
alt
return
[Valid]
Successful Login
[Invalid]
Reject Login

Subscription



Event Order

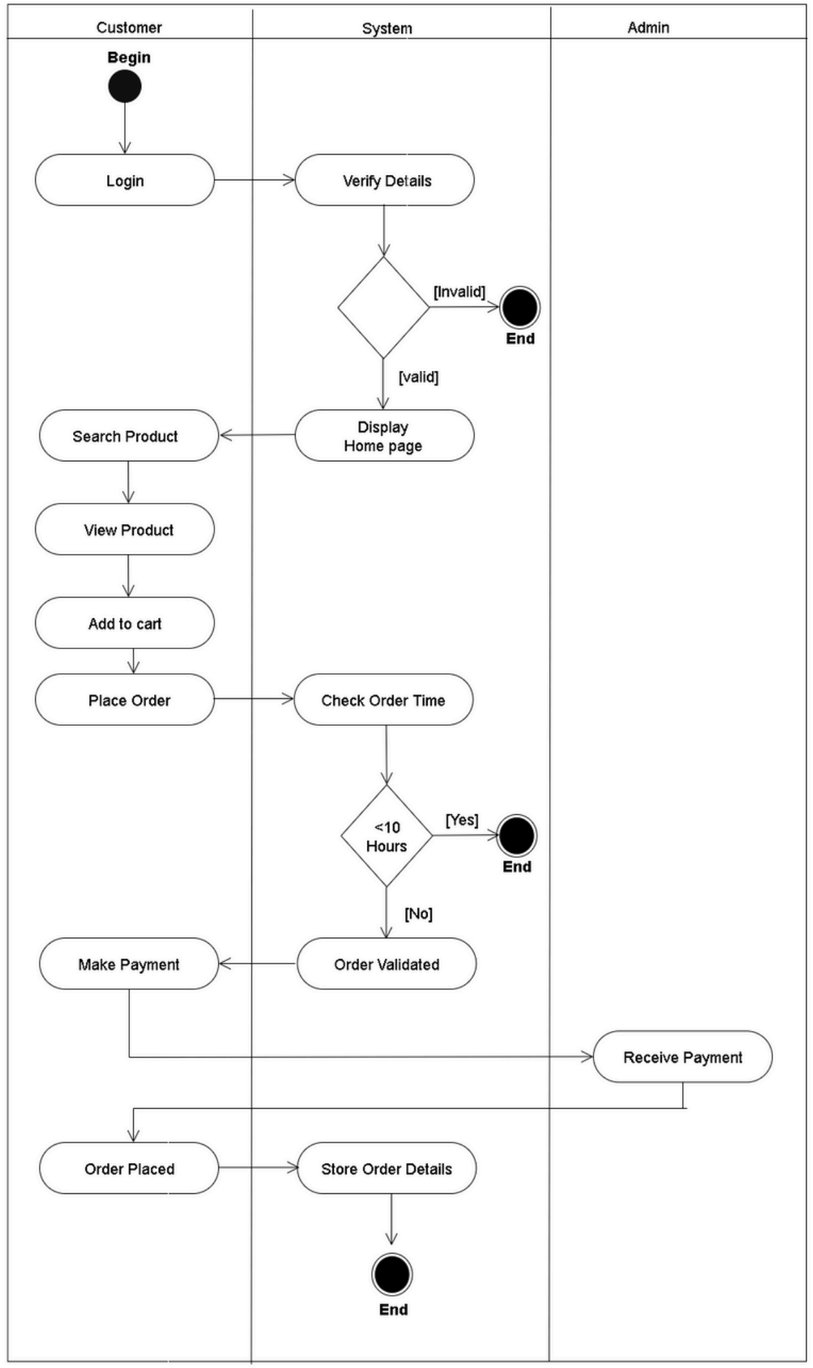

Customer
Event Form
Event Controller
Event
Payment Form
Payment Controller
Event Order
Admin
FormFill
receive details
validation Details
Alt
add user()
valid
Form valid
retrive details
Approval
[valid]
FillForm
receive details
validate
Alt
add user()
valid
[valid]
Payment successfully
[Invalid]
Payment failed
[Invalid]
Invalid Form

ACTIVITY DIAGRAM

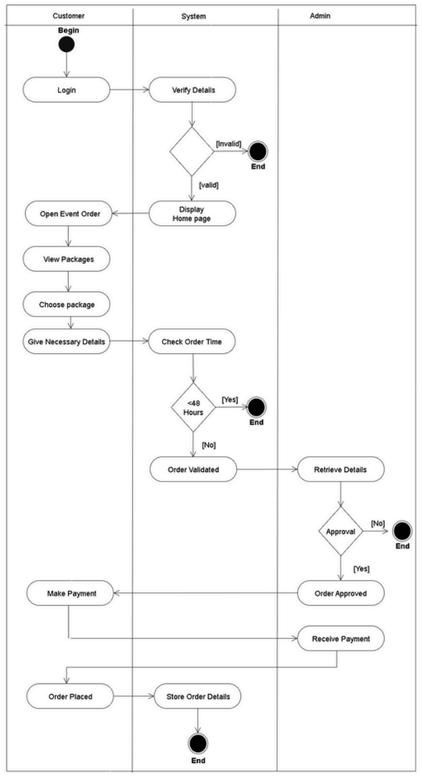
ORDER

EVENT_ORDER

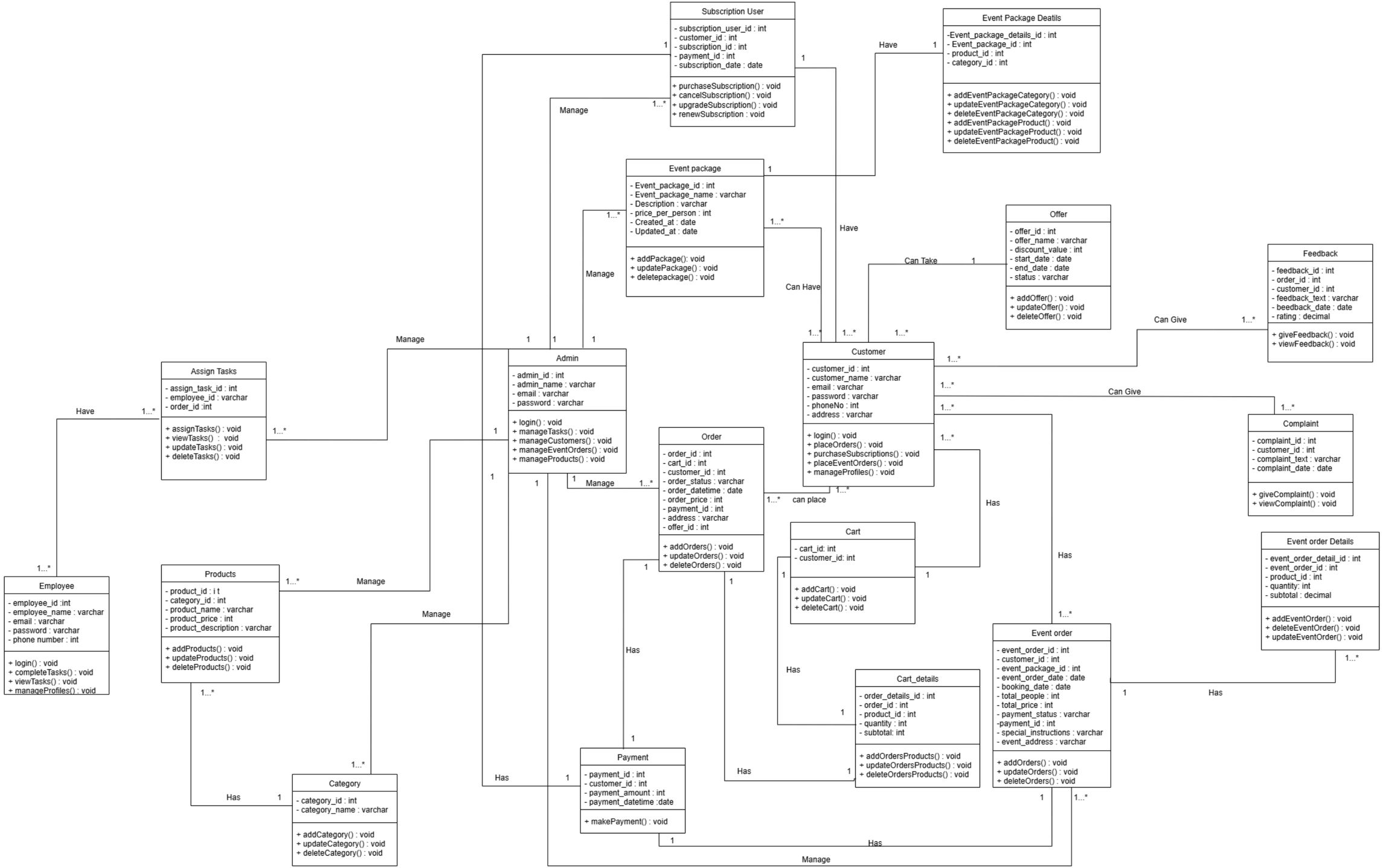
ORDER


Customer
System
Admin
Begin
Login
Verify Details
[Invalid]
End
[valid]
Search Product
Display
Home page
View Product
Add to cart
Place Order
Check Order Time
<10
Hours
[Yes]
End
[No]
Make Payment
Order Validated
Receive Payment
Order Placed
Store Order Details
End

EVENT_ORDER


Customer
System
Admin
Begin
Login
Verify Details
[Invalid]
End
[valid]
Open Event Order
Display
Home page
View Packages
Choose package
Give Necessary Details
Check Order Time
<48
Hours
[Yes]
End
[No]
Order Validated
Retrieve Details
Approval
[No]
End
[Yes]
Make Payment
Order Approved
Receive Payment
Order Placed
Store Order Details
End

CLASS DIAGRAM


Subscription User
- subscription_user_id : int
- customer_id : int
- subscription_id : int
- payment_id : int
- subscription_date : date
+ purchaseSubscription() : void
+ cancelSubscription() : void
+ upgradeSubscription() : void
+ renewSubscription : void
Event Package Deatils
-Event_package_details_id : int
- Event_package_id : int
- product_id : int
- category_id : int
+ addEventPackageCategory() : void
+ updateEventPackageCategory() : void
+ deleteEventPackageCategory() : void
+ addEventPackageProduct() : void
+ updateEventPackageProduct() : void
+ deleteEventPackageProduct() : void
Event package
- Event_package_id : int
- Event_package_name : varchar
- Description : varchar
- price_per_person : int
- Created_at : date
- Updated_at : date
+ addPackage(): void
+ updatePackage() : void
+ deletepackage() : void
Offer
- offer_id : int
- offer_name : varchar
- discount_value : int
- start_date : date
- end_date : date
- status : varchar
+ addOffer() : void
+ updateOffer() : void
+ deleteOffer() : void
Feedback
- feedback_id : int
- order_id : int
- customer_id : int
- feedback_text : varchar
- beedback_date : date
- rating : decimal
+ giveFeedback() : void
+ viewFeedback() : void
Assign Tasks
- assign_task_id : int
- employee_id : varchar
- order_id :int
+ assignTasks() : void
+ viewTasks() : void
+ updateTasks() : void
+ deleteTasks() : void
Admin
- admin_id : int
- admin_name : varchar
- email : varchar
- password : varchar
+ login() : void
+ manageTasks() : void
+ manageCustomers() : void
+ manageEventOrders() : void
+ manageProducts() : void
Customer
- customer_id : int
- customer_name : varchar
- email : varchar
- password : varchar
- phoneNo : int
- address : varchar
+ login() : void
+ placeOrders() : void
+ purchaseSubscriptions() : void
+ placeEventOrders() : void
+ manageProfiles() : void
Complaint
- complaint_id : int
- customer_id : int
- complaint_text : varchar
- complaint_date : date
+ giveComplaint() : void
+ viewComplaint() : void
Employee
- employee_id :int
- employee_name : varchar
- email : varchar
- password : varchar
- phone number : int
+ login() : void
+ completeTasks() : void
+ viewTasks() : void
+ manageProfiles() : void
Products
- product_id : i t
- category_id : int
- product_name : varchar
- product_price : int
- product_description : varchar
+ addProducts() : void
+ updateProducts() : void
+ deleteProducts() : void
Order
- order_id : int
- cart_id : int
- customer_id : int
- order_status : varchar
- order_datetime : date
- order_price : int
- payment_id : int
- address : varchar
- offer_id : int
+ addOrders() : void
+ updateOrders() : void
+ deleteOrders() : void
Cart
- cart_id: int
- customer_id: int
+ addCart() : void
+ updateCart() : void
+ deleteCart() : void
Event order Details
- event_order_detail_id : int
- event_order_id : int
- product_id : int
- quantity: int
- subtotal : decimal
+ addEventOrder() : void
+ deleteEventOrder() : void
+ updateEventOrder() : void
Event order
- event_order_id : int
- customer_id : int
- event_package_id : int
- event_order_date : date
- booking_date : date
- total_people : int
- total_price : int
- payment_status : varchar
-payment_id : int
- special_instructions : varchar
- event_address : varchar
+ addOrders() : void
+ updateOrders() : void
+ deleteOrders() : void
Cart_details
- order_details_id : int
- order_id : int
- product_id : int
- quantity : int
- subtotal: int
+ addOrdersProducts() : void
+ updateOrdersProducts() : void
+ deleteOrdersProducts() : void
Payment
- payment_id : int
- customer_id : int
- payment_amount : int
- payment_datetime :date
+ makePayment() : void
Category
- category_id : int
- category_name : varchar
+ addCategory() : void
+ updateCategory() : void
+ deleteCategory() : void
Manage
Have
Can Take
Can Have
Can Give
Has
can place

DATA DICTIONARY

ADMIN

CUSTOMER

EMPLOYEE

CATEGORY

PRODUCTS

PAYMENT

SUBSCRIPTION

SUBSCRIPTION_USER

CART

CART_PRODUCT

ORDER

OFFER

EVENT PACKAGE

EVENT PACKAGE DETAILS

EVENT ORDER

EVENT ORDER_ DETAILS

ASSIGN_TASK

OTP

FEEDBACK

COMPLAINT

ADMIN TABLE

PRIMARY KEY: Admin_id
FOREIGN KEY: -
DESCRIPTION: Stores Admin Data

Field Name	Data Type	size	Constraint	Description
admin_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of Admin
admin_name	VARCHAR	50	--	Stores name of admin
password	VARCHAR	25	NOT NULL	Stores passwords of admin
email	VARCHAR	50	NOT NULL	Stores Email of admin

ADMIN TABLE EXAMPLE

admin_id	admin_name	password	email
68e9787184c1627d7e0317f1	Admin1	1234	admin1@example.com

CUSTOMER TABLE

PRIMARY KEY: Customer_id
FOREIGN KEY: -
DESCRIPTION : Stores Details of Customers

Field Name	Data Type	size	Constraint	Description
customer_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of Customer
customer_name	VARCHAR	50	--	Name of Customer
password	VARCHAR	25	NOT NULL	Password of Customer
email	VARCHAR	50	NOT NULL	Email of Customer
phone no	BIGINT	-	--	Phone No. of Customer
address	VARCHAR	50	--	Address of Customer

CUSTOMER TABLE EXAMPLE

customer_id	customer_name	password	email	phone no	address
68e9787184c1627d7e0317f4	John Doe	1234	john@example.com	9876543210	11/1,Asopalav,Vatva,Ahmd
68e9787184c1627d7e0317f7	Jane Smith	1234	jane@example.com	9123456780	11/1,Vaijnath soc.,Vatva,Ahmd

EMPLOYEE TABLE

PRIMARY KEY: Employee_id
FOREIGN KEY: -
DESCRIPTION : Details of Employee

Field Name	Data Type	size	Constraint	Description
employee_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of Employee
employee_Name	VARCHAR	50	--	Name of Employee
employee_email	VARCHAR	50	NOT NULL	Email of Employee
password	VARCHAR	25	NOT NULL	Password of Employee
Phone Number	INT	-	--	stores phone number

EMPLOYEE TABLE EXAMPLE

employee_id	employee_Name	employee_email	password	Phone Number
68e9787184c1627d7e0317fa	Employee1	emp1@example.com	1234	657825178

CATEGORY TABLE

PRIMARY KEY: Category_id
FOREIGN KEY: -
DESCRIPTION : Stores Category Detail

Field Name	Data Type	size	Constraint	Description
category_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of category
category_name	VARCHAR	50	--	name of the category

CATEGORY TABLE EXAMPLE

category_id	category_name
68e9787184c1627d7e0317fd	Fast Food
68e9787184c1627d7e031800	Beverages
68e9787184c1627d7e031803	Desserts
68e978757cb1d9d34ebdca3b	Snacks

PRODUCTS TABLE

PRIMARY KEY: Product_id
FOREIGN KEY: Category_id
DESCRIPTION : Stores Product's Detail

Field Name	Data Type	size	Constraint	Description
product_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of product
category_id	INT	-	FOREIGN KEY	id of category
product_name	VARCHAR	50	NOT NULL	product's name
product_price	INT	-	--	price of product
product_description	VARCHAR	-	--	Description of product

PRODUCTS TABLE EXAMPLE

product_id	category_id	product_name	product_price	product_description
68e9787184c1627d7e031806	68e9787184c1627d7e0317fe	Burger	100	Veg Burger
68e9787284c1627d7e031809	68e9787184c1627d7e031801	Coca Cola	50	Chilled Drink
68e9787284c1627d7e03180c	68e9787184c1627d7e031804	Chocolate Cake	200	Sweet Cake
68e978757cb1d9d34ebdca3e	68e978757cb1d9d34ebdca3c	Veg Spring Roll	120	Tasty vegetable rolls

PAYMENT TABLE

PRIMARY KEY:payment_id
FOREIGN KEY:customer_id
DESCRIPTION :Stores details of payment done by user

Field Name	Data Type	size	Constraint	Description
payment_id	INT	-	AUTO_INCREMENT ,PRIMARY KEY	id of payment
customer_id	INT	-	FOREIGN-KEY	id of cutomer
payment_amount	INT	-	--	amount paid
payment_datetime	DATE	-	DEFAULT DATE-TIME STAMP	payment date and time

PAYMENT TABLE EXAMPLE

payment_id	customer_id	payment_amount	payment_datetime
68e9787284c1627d7e03180f	68e9787184c1627d7e0317f5	500	02-FEB-2023 3:34PM
68e9787284c1627d7e031812	68e9787184c1627d7e0317f8	1000	30-JAN-2023 1:20PM

SUBSCRIPTION TABLE

PRIMARY KEY:Subscription_id
FOREIGN KEY: -
DESCRIPTION : Stores All type of Subscription

Field Name	Data Type	size	Constraint	Description
subscription_id	INT	-	AUTO_INCREMENT ,PRIMARY KEY	id of subscription
subscription_type	VARCHAR	-	NOT NULL	type of subscription
subscription_desc	VARCHAR	50	--	Description of subscription
price	INT	-	--	price of subscription

SUBSCRIPTION TABLE EXAMPLE

subscription_id	subscription_type	subscription_desc	price
68e9787284c1627d7e031824	Monthly	Daily Tiffin	2000

SUBSCRIPTION_USER TABLE

PRIMARY KEY:Subscription_user_id
FOREIGN KEY:Subscription_id,customer_id,payment_id
DESCRIPTION :Stores data of subscribed customers

Field Name	Data Type	size	Constraint	Description
subscription_user_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of subscription_user_id
subscription_id	INT	-	FOREIGN KEY	id of subscription_id
customer_id	INT	-	FOREIGN KEY	id of customer_id
payment_id	INT	-	FOREIGN KEY	id of payment_id
subscription_date	DATE	-	DEFAULT DATE STAMP	Stores Subscription date

SUBSCRIPTION_USER TABLE EXAMPLE

subscription_user_id	subscription_id	customer_id	payment_id	subscription_date
68e9787284c1627d7e031810	68e9787284c1627d7e031825	68e9787184c1627d7e0317f5	68e9787284c1627d7e031810	23-JUL-2023
68e9787284c1627d7e031813	68e9787284c1627d7e031825	68e9787184c1627d7e0317f8	68e9787284c1627d7e031813	20-JUL-2023

CART TABLE

PRIMARY KEY: Cart_id
FOREIGN KEY: Customer_id
DESCRIPTION : Stores Details of Customer's cart

Field Name	Data Type	size	Constraint	Description
cart_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of Cart
customer_id	INT	-	FOREIGN KEY	Id of Customer

CART TABLE EXAMPLE

cart_id	customer_id
68e9787284c1627d7e031819	68e9787184c1627d7e0317f5

CART-PRODUCT TABLE

PRIMARY KEY: Cart_product_id
FOREIGN KEY: Customer_id,Cart_id,Product_id
DESCRIPTION : Stores what items Customer have in Cart

Field Name	Data Type	size	Constraint	Description
cart_product_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	stores Cart_product_id
customer_id	INT	-	FOREIGN KEY	Stores Customer id
cart_id	INT	-	FOREIGN KEY	Stores Cart id
product_id	INT	-	FOREIGN KEY	Stores Product Id
quantity	INT	-	--	Stores Product Quantity
subtotal	DECIMAL	10,2	--	shows subtotal of product

CART-PRODUCT TABLE EXAMPLE

cart_product_id	customer_id	cart_id	product_id	quantity	subtotal
68e9787284c1627d7e03181c	68e9787184c1627d7e0317f5	68e9787284c1627d7e031819	68e9787184c1627d7e031807	2	200
68e9787284c1627d7e03181f	68e9787184c1627d7e0317f5	68e9787284c1627d7e031819	68e9787284c1627d7e03180a	1	50

ORDER TABLE

PRIMARY KEY: order_id
FOREIGN KEY: Customer_id,Payment_id,Offer_id
DESCRIPTION : Stores detail of Customer's Order

Field Name	Data Type	size	Constraint	Description
order_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of order
cart_id	INT	-	FOREIGN KEY	id of cart
customer_id	INT	-	FOREIGN KEY	id of customer
order_status	VARCHAR	25	--	status of order
order_datetime	DATE	-	--	Stores when order was placed
order_price	INT	-	--	Total Price of the order
offer_id	INT	-	FOREIGN KEY	id of offer
payment_id	INT	-	FOREIGN KEY	id of payment
address	VARCHAR	-	-	Stores Where to Deliver Order

ORDER TABLE EXAMPLE

order_id	cart_id	customer_id	order_status	order_datetime	order_price	offer_id	payment_id	address
68e9787284c1627d7e031822	68e9787184c1627d7e0317f5	68e9787184c1627d7e0317f5	Pending	24-OCT-2023 4:30PM	501	68e9787284c1627d7e031816	68e9787284c1627d7e031810	301,nilgiri soc.,vatva,ahmd

OFFER TABLE

PRIMARY KEY:Offer_id
FOREIGN KEY:
DESCRIPTION : Stores detail of offers

Field Name	Data Type	size	Constraint	Description
offer_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of offers
offer_name	VARCHAR	50	NOT NULL	name of offers
discount_value	INT	-	--	stores discount rate
start_date	DATE	-	--	start date of offer
end_date	DATE	-	--	End date of offer
status	VARCHAR	-	--	Status of offer(Active,Expired)

OFFER TABLE EXAMPLE

offer_id	offer_name	discount_value	start_date	end_date	status
68e9787284c1627d7e031815	Diwali Offer	10	01-NAV-2023	07-NAV-2023	Active

EVENT_PACKAGE TABLE

PRIMARY KEY: Event_package_id
FOREIGN KEY: -
DESCRIPTION: Stores Event Package

Field Name	Data Type	size	Constraint	Description
Event_package_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of event package
Event_package_name	VARCHAR	-	--	Stores name of event package
Description	VARCHAR	-	--	Stores description of event package
price_per_person	INT	-	--	Stores price per person
Created_at	DATE	-	--	stores created date of event package
Updated_at	DATE	-	--	stored updated date of event package

EVENT_PACKAGE TABLE EXAMPLE

Event_package_id	Event_package_name	Description	price_per_person	Created_at	Updated_at
68e9787284c1627d7e03182a	Silver Package	Basic Event Menu	150	22-DEC-2023	25-DEC-2023
68e9787284c1627d7e03182d	Gold Package	Premium Event Menu	300	20-JAN-2023	25-JAN-2023

EVENT_PACKAGE DETAILS TABLE

PRIMARY KEY: Event_package_details_id
FOREIGN KEY: -Event_package_id,product_id
DESCRIPTION: Stores Event Package Deatils

Field Name	Data Type	size	Constraint	Description
Event_package_details_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	Id of event package detail
Event_package_id	INT	-	FOREIGN KEY	id of event package
product_id	INT	-	FOREIGN KEY	id of product
category_id	VARCHAR	20	--	stores product name

EVENT_PACKAGE DETAILS TABLE EXAMPLE

Event_package_deatils_id	Event_package_id	product_id	category_id
68e9787284c1627d7e031831	68e9787284c1627d7e03182b	68e9787184c1627d7e031807	68e9787184c1627d7e0317fe
68e9787284c1627d7e031834	68e9787284c1627d7e03182b	68e9787284c1627d7e03180a	68e9787184c1627d7e031801
68e9787284c1627d7e031837	68e9787284c1627d7e03182e	68e9787184c1627d7e031807	68e9787184c1627d7e0317fe
68e9787284c1627d7e03183a	68e9787284c1627d7e03182e	68e9787284c1627d7e03180a	68e9787184c1627d7e031801
68e9787284c1627d7e03183d	68e9787284c1627d7e03182e	68e9787284c1627d7e03180d	68e9787184c1627d7e031804

EVENT-ORDER TABLE

PRIMARY KEY: event_order_id
FOREIGN KEY: customer_id,payment_id
DESCRIPTION : store data of event order

Field Name	Data Type	size	Constraint	Description
event_order_id	INT	-	AUTO_INCREMENT PRIMARY KEY	id of event_order
customer_id	INT	-	FOREIGN KEY	id of customer
Event_package_id	INT	-	FOREIGN KEY	id of package
event_order_date	DATE	-	-	stores event order date
booking_date	DATE	-	DEFAULT CURRENT_DATE	stores booking date
total_people	INT	-	-	stores Number of People for event order
total_price	DECIMAL	10,2	-	stores total price
payment_status	VARCHAR	20	-	stores payment status
payment_id	INT	-	FOREIGN KEY	Stores id of payment
special_instructions	VARCHAR	200	-	Special instructions for order
event_address	VARCHAR	200	-	Address Where to Deliver Event Order

EVENT-ORDER TABLE EXAMPLE

event_order_id	customer_id	Event_package_id	event_order_date	booking_date	total_people	total_price	payment_status	payment_id	special_instructions	event_address
68e9787284c1627d7e031840	68e9787184c1627d7e0317f5	68e9787284c1627d7e03182b	30-MAR-2023	25-MAR-2023	5	750	Paid	68e9787284c1627d7e031810	No onions	Hall 1

EVENT-ORDER DETAILS TABLE

PRIMARY KEY: event_order_details_id
FOREIGN KEY: product_id,customer_id
DESCRIPTION : stores deatils of event orders

Field Name	Data Type	size	Constraint	Description
event_order_details_id	INT	-	AUTO_INCREMENT PRIMARY KEY	id of event_orders_details
event_order_id	INT	-	FOREIGN KEY	id of event_order
product_id	INT	-	FOREIGN KEY	id of product
quantity	INT	-	--	stores order quantity
subtotal	DECIMAL	10,2	--	stores subtotal

EVENT-ORDER DETAILS TABLE EXAMPLE

event_order_details_id	event_order_id	product_id	quantity	subtotal
68e9787284c1627d7e031843	68e9787284c1627d7e03182b	68e9787184c1627d7e031807	2	200
68e9787284c1627d7e031846	68e9787284c1627d7e03182b	68e9787284c1627d7e03180a	3	150

ASSIGN_TASK TABLE

PRIMARY KEY: assign_task_id
FOREIGN KEY: employee_id,order_id
DESCRIPTION : it stores assigned task

Field Name	Data Type	size	Constraint	Description
assign_task_id	INT	-	AUTOINCREMENT, PRIMARY KEY	id of assign_task
employee_id	INT	-	FOREIGN KEY	id of employee
order_id	INT	-	FOREIGN KEY	id of order

ASSIGN_TASK TABLE EXAMPLE

assign_task_id	employee_id	order_id
68e9787284c1627d7e03184c	68e9787184c1627d7e0317fb	68e9787284c1627d7e031822

OTP TABLE

PRIMARY KEY: otp_id
FOREIGN KEY: customer_id,employee_id
DESCRIPTION : stores all otp

Field Name	Data Type	size	Constraint	Description
otp_id	INT	-	AUTOINCREMENT, PRIMARY KEY	id of otp
customer_id	INT	-	FOREIGN KEY	id of customer
employee_id	INT	-	FOREIGN KEY	id of employee
otp	INT	-	NOT NULL	it store otp

OTP TABLE EXAMPLE

otp_id	customer_id	employee_id	otp
68e9787284c1627d7e031849	68e9787184c1627d7e0317f5	68e9787184c1627d7e0317fb	123456

FEEDBACK TABLE

PRIMARY KEY:feedback_id
FOREIGN KEY:order_id,customer_id
DESCRIPTION :Stores Customer's Feedback

Field Name	Data Type	size	Constraint	Description
feedback_id	INT	-	AUTO_INCREMENT, PRIMARY KEY	id of feedback
order_id	INT	-	FOREIGN KEY	id of order
customer_id	INT	-	FOREIGN KEY	id of customer
feedback_text	VARCHAR2	-	NOT NULL	stores feedback
feedback_date	DATE	-	DEFAULT DATE-TIME STAMP	feedback given date and time
rating	INT	-	--	stores rating

FEEDBACK TABLE EXAMPLE

feedback_id	order_id	customer_id	feedback_text	feedback_date	rating
68e9787284c1627d7e031852	68e9787284c1627d7e031822	68e9787184c1627d7e0317f5	Great service!	20-MAR-2024	5

COMPLAINT TABLE

PRIMARY KEY:complaint_id
FOREIGN KEY:Customer_id
DESCRIPTION :Stores Complaint Registered by customers

Field Name	Data Type	size	Constraint	Description
complaint_id	INT	-	AUTO_INCREMENT	id of complaint
customer_id	INT	-	FOREIGN KEY	id of customer
complaint_text	VARCHAR	50	NOT NULL	Stores comlaint
complaint_date	DATE	-	NOT NULL	Stores date and time of complaint

COMPLAINT TABLE EXAMPLE

complaint_id	customer_id	complaint_text	complaint_date
68e9787284c1627d7e03184f	68e9787184c1627d7e0317f8	Food was cold	22-APR-2023

Conclusion

- The Tiffin and Event Catering Management System successfully digitalizes traditional meal and event service operations.
- It reduces manual effort, enhances order accuracy, and improves customer convenience.
- With centralized management for customers, employees, and admins, it ensures smoother workflows.
- The system is scalable, user-friendly, and adaptable to different business models.
- Overall, it provides a reliable, efficient, and modern solution for the food delivery and event catering industry.

Future Scope

- The system can be enhanced with AI-based meal recommendations based on user preferences and order history.
- A mobile application can be developed for easier access and real-time delivery tracking
- Automated billing and analytics dashboards can help admins monitor sales trends efficiently.
- Integration with third-party delivery APIs can improve delivery speed and coverage.
- Future updates may also include multi-branch management and voice-based order placement.

Bibilography

- ChatGPT (OpenAI) – For code help and documentation support.
  https.//chatgpt.com
- Google Gemini – For idea generation and AI assistance.
  https://gemini.google.com/app
- W3Schools – For HTML, CSS, and JavaScript tutorials.
  https://www.w3schools.com
- GeeksforGeeks – For React, Node.js, and MongoDB resources.
  https://www.geeksforgeeks.org
- YouTube – For MERN stack video tutorials.
  https://www.youtube.com