Travel Management System

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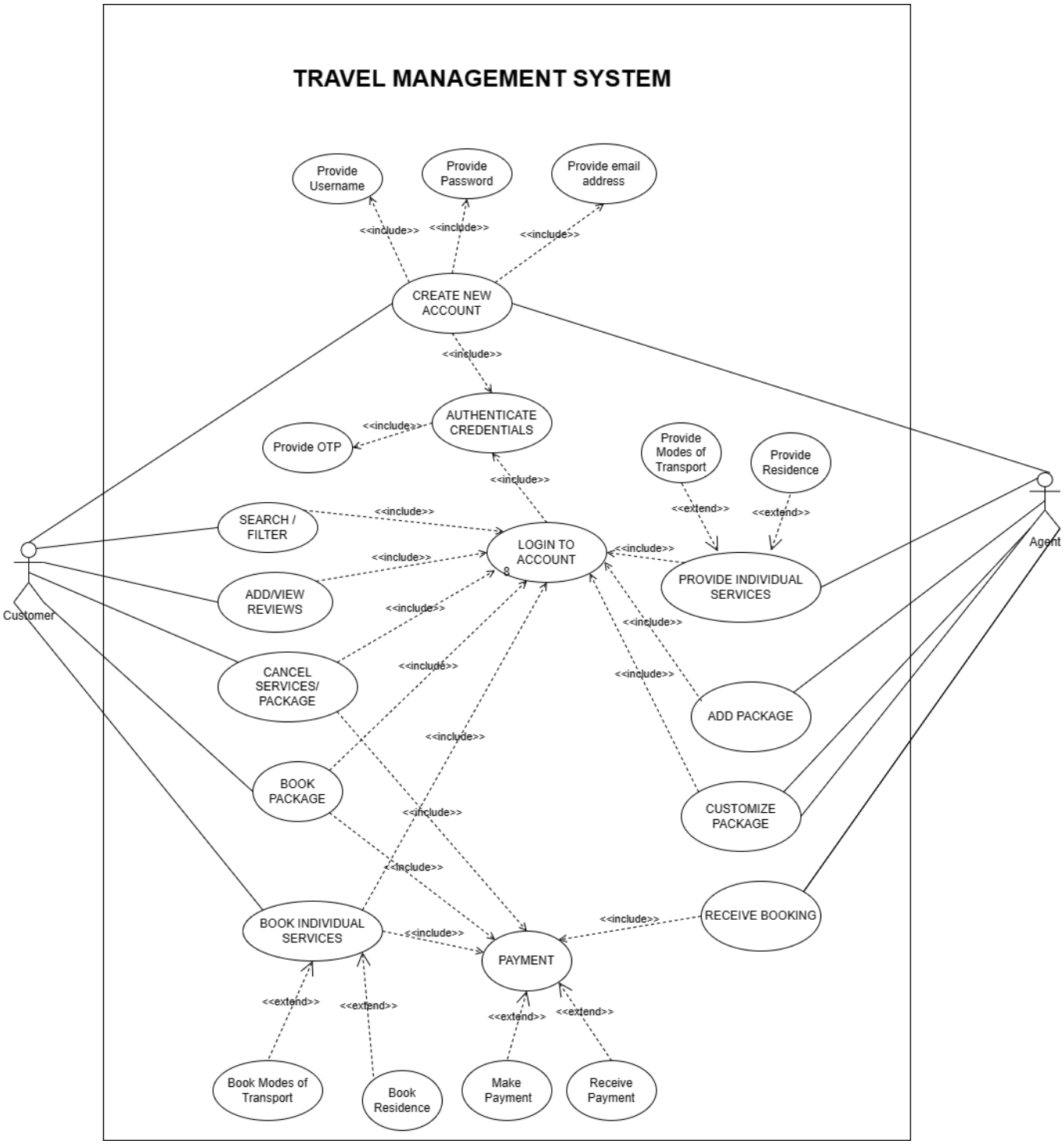
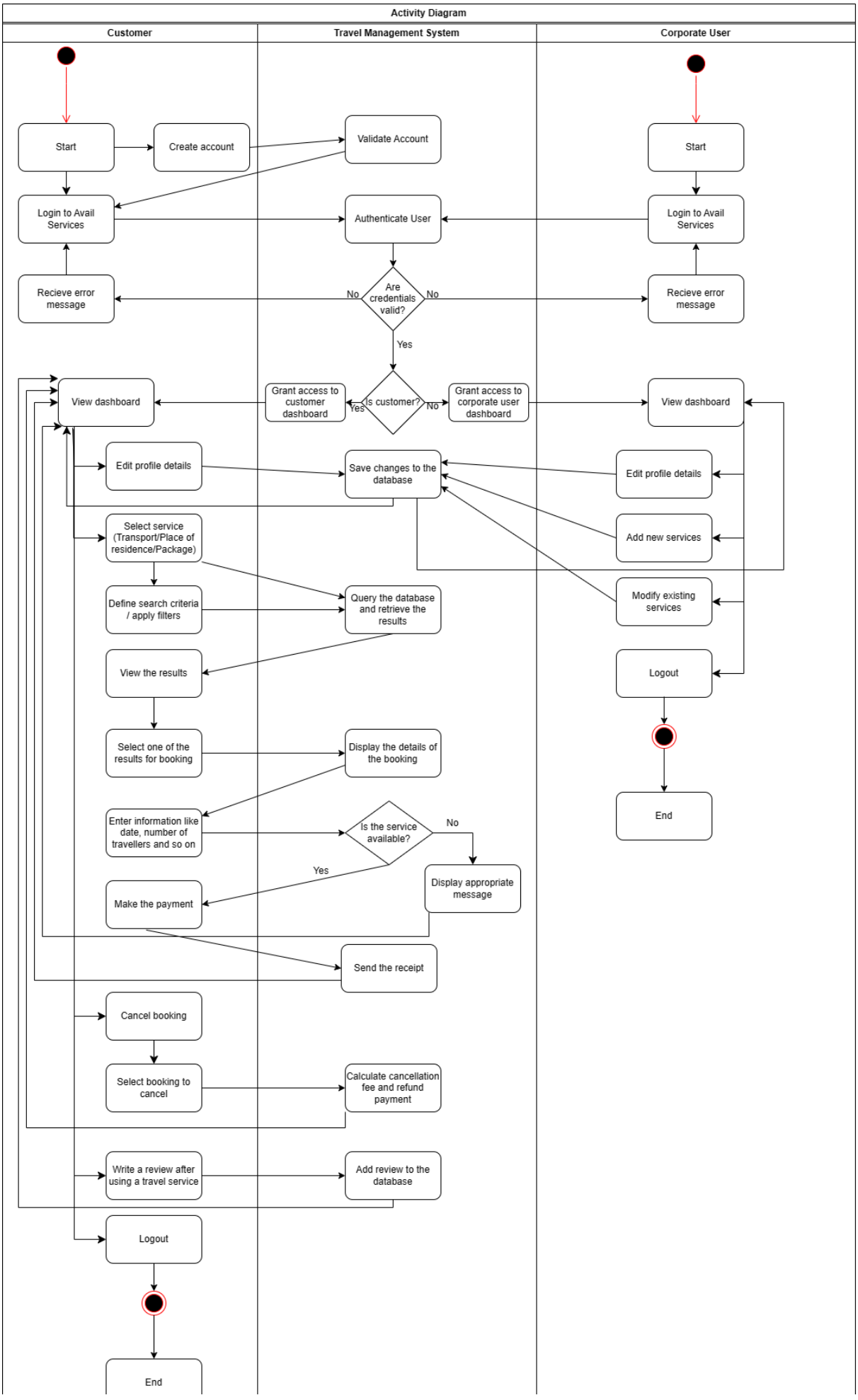
Use Case Diagram

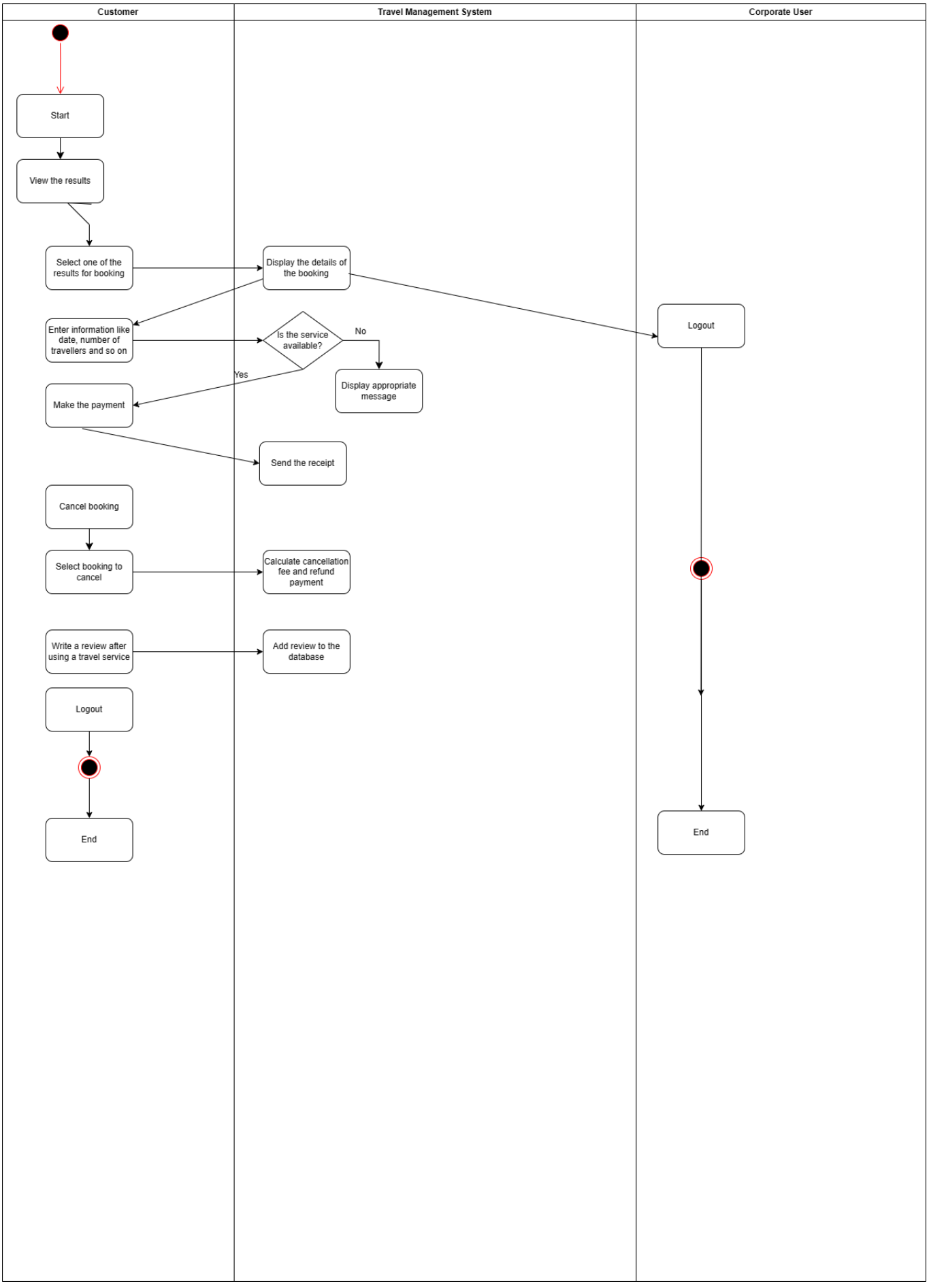


Activity Diagram - 1

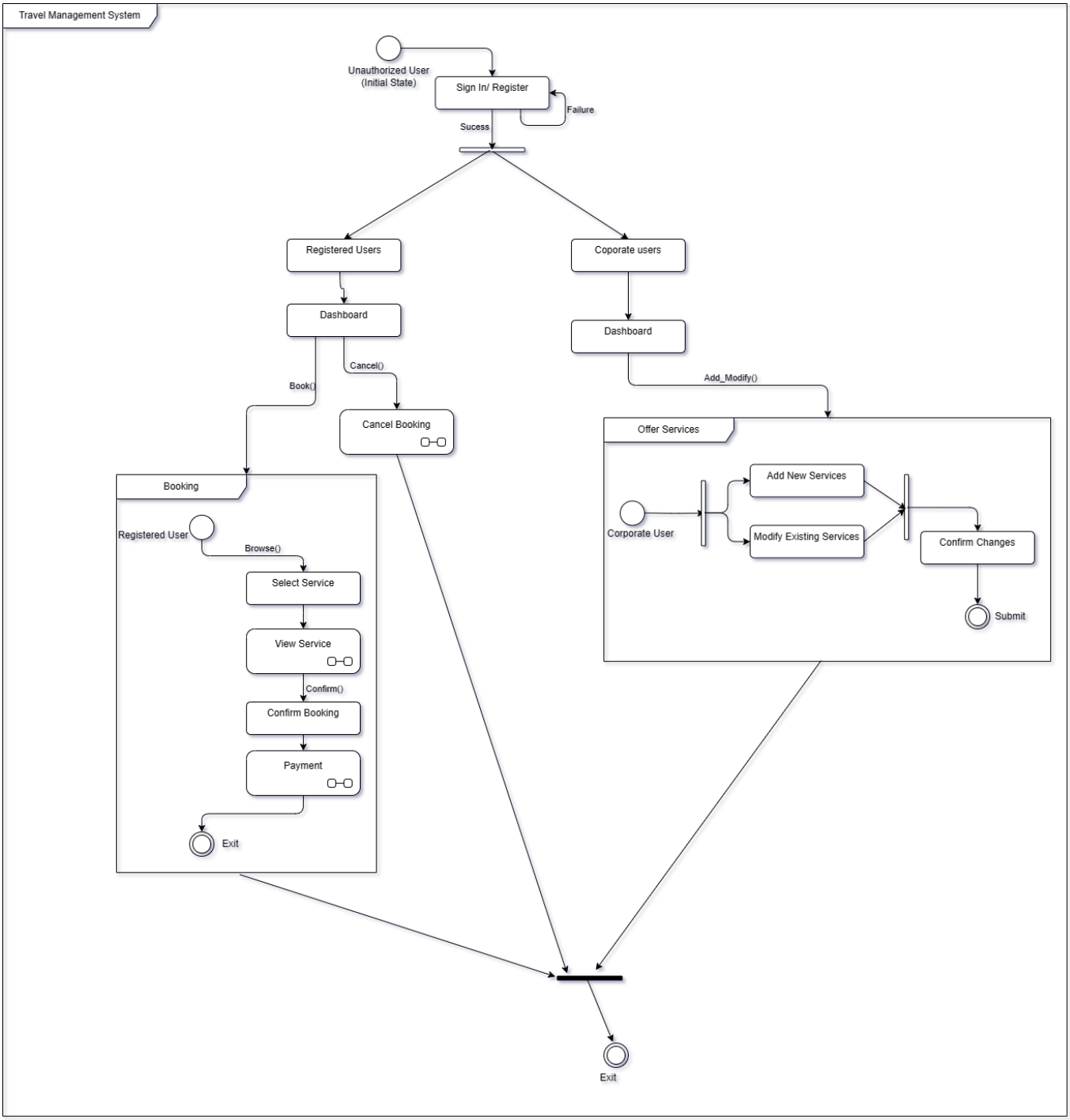

Activity Diagram
Customer
Travel Management System
Corporate User
Start
Create account
Validate Account
Start
Login to Avail Services
Authenticate User
Login to Avail Services
Recieve error message
No
Are credentials valid?
No
Recieve error message
Yes
View dashboard
Grant access to customer dashboard
Yes
Is customer?
No
Grant access to corporate user dashboard
View dashboard
Edit profile details
Save changes to the database
Edit profile details
Select service (Transport/Place of residence/Package)
Add new services
Define search criteria / apply filters
Query the database and retrieve the results
Modify existing services
View the results
Logout
Select one of the results for booking
Display the details of the booking
End
Enter information like date, number of travellers and so on
Is the service available?
No
Yes
Display appropriate message
Make the payment
Send the receipt
Cancel booking
Select booking to cancel
Calculate cancellation fee and refund payment
Write a review after using a travel service
Add review to the database
Logout
End

Text

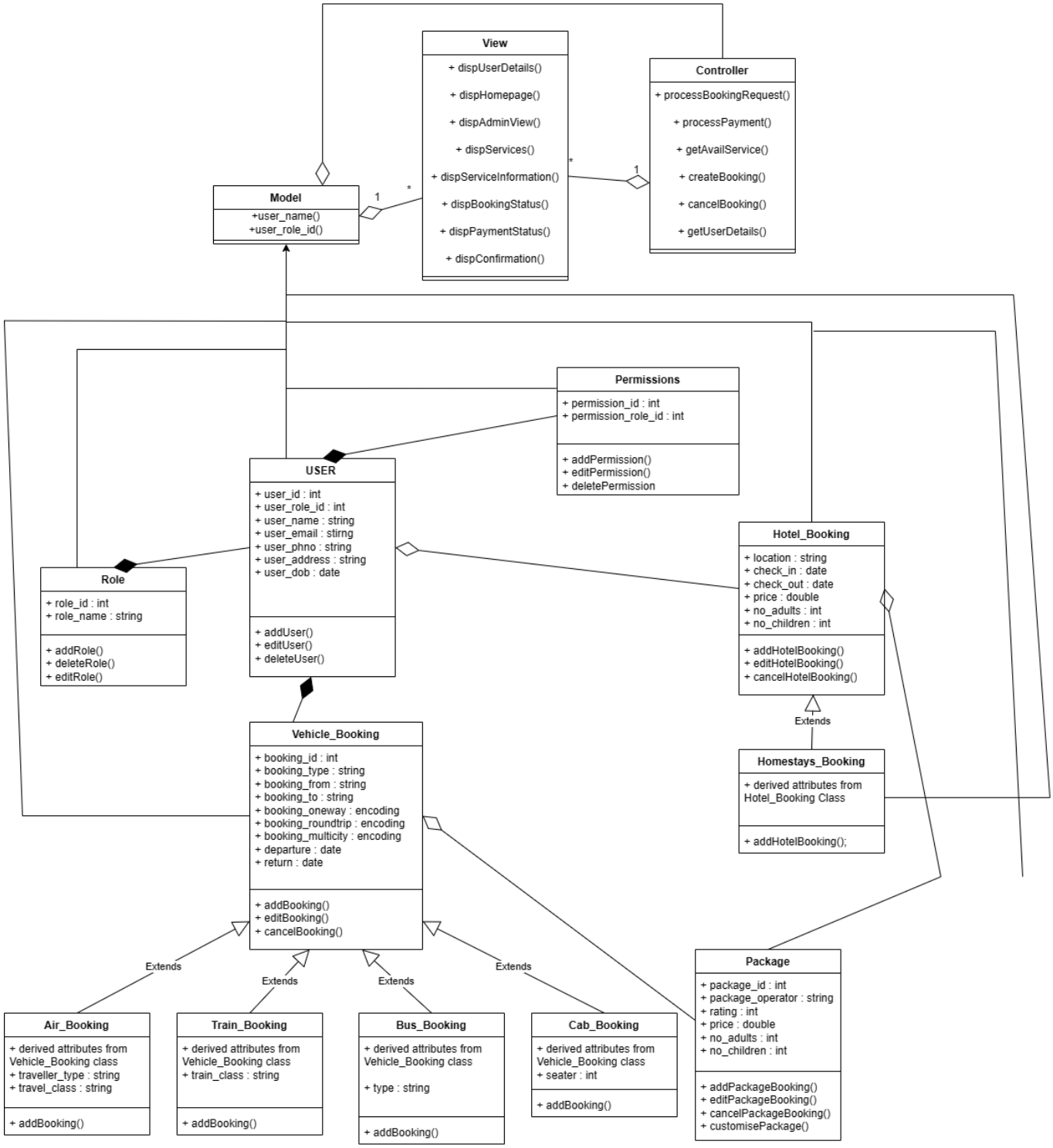
Activity Diagram - 2 (Book Package)


Customer
Travel Management System
Corporate User
Start
View the results
Select one of the results for booking
Display the details of the booking
Logout
Enter information like date, number of travellers and so on
Is the service available?
No
Yes
Display appropriate message
Make the payment
Send the receipt
Cancel booking
Select booking to cancel
Calculate cancellation fee and refund payment
Write a review after using a travel service
Add review to the database
Logout
End
End

State Diagram



Class Diagram


View
+ dispUserDetails()
+ dispHomepage()
+ dispAdminView()
+ dispServices()
+ dispServiceInformation()
+ dispBookingStatus()
+ dispPaymentStatus()
+ dispConfirmation()
Controller
+ processBookingRequest()
+ processPayment()
+ getAvailService()
+ createBooking()
+ cancelBooking()
+ getUserDetails()
Model
+user_name()
+user_role_id()
1
*
*
1
Permissions
+ permission_id : int
+ permission_role_id : int
+ addPermission()
+ editPermission()
+ deletePermission
USER
+ user_id : int
+ user_role_id : int
+ user_name : string
+ user_email : stirng
+ user_phno : string
+ user_address : string
+ user_dob : date
+ addUser()
+ editUser()
+ deleteUser()
Role
+ role_id : int
+ role_name : string
+ addRole()
+ deleteRole()
+ editRole()
Hotel_Booking
+ location : string
+ check_in : date
+ check_out : date
+ price : double
+ no_adults : int
+ no_children : int
+ addHotelBooking()
+ editHotelBooking()
+ cancelHotelBooking()
Extends
Homestays_Booking
+ derived attributes from Hotel_Booking Class
+ addHotelBooking();
Vehicle_Booking
+ booking_id : int
+ booking_type : string
+ booking_from : string
+ booking_to : string
+ booking_oneway : encoding
+ booking_roundtrip : encoding
+ booking_multicity : encoding
+ departure : date
+ return : date
+ addBooking()
+ editBooking()
+ cancelBooking()
Extends
Extends
Extends
Extends
Air_Booking
+ derived attributes from Vehicle_Booking class
+ traveller_type : string
+ travel_class : string
+ addBooking()
Train_Booking
+ derived attributes from Vehicle_Booking class
+ train_class : string
+ addBooking()
Bus_Booking
+ derived attributes from Vehicle_Booking class
+ type : string
+ addBooking()
Cab_Booking
+ derived attributes from Vehicle_Booking class
+ seater : int
+ addBooking()
Package
+ package_id : int
+ package_operator : string
+ rating : int
+ price : double
+ no_adults : int
+ no_children : int
+ addPackageBooking()
+ editPackageBooking()
+ cancelPackageBooking()
+ customisePackage()