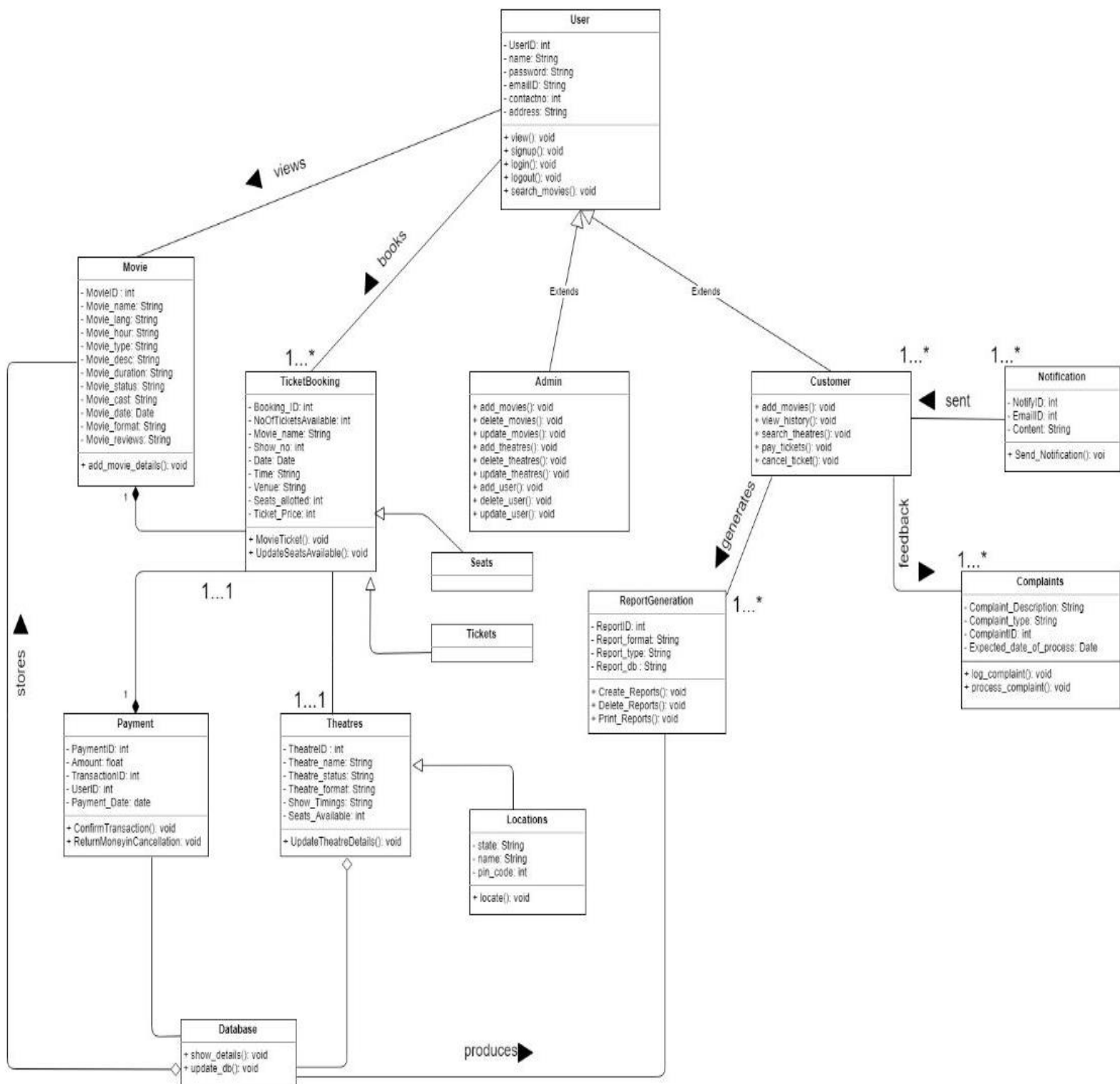


Online Movie Ticket Booking System
Class Diagram and CRC Index Cards

CLASS DIAGRAM



CRC INDEX CARDS

(1) CRC Index card for USER:

Class Name: User	
Class Type: Role	
Class Description: The user can be a customer, admin or a viewer who wishes to book tickets for a movie and visit or manage the website.	
Responsibilities:	Collaborators:
View Application	Customer
Login/SignUp	Customer Admin
Search Movies	Customer
Update Account	Customer Admin

(2) CRC Index card for CUSTOMER:

Class Name: Customer	
Class Type: Role	
Class Description: A customer wants to book a movie ticket in a theatre at a particular location and has the following responsibilities.	
Responsibilities:	Collaborators:
Add Movies	Movie TicketBooking
View History	
Pay for Tickets	Payment
Search Theatres	
Cancel Tickets	Payment

(3) CRC Index card for MOVIE:

Class Name: Movie	
Class Type: Property class	
Class Description: Movie class contains details and attributes related to upcoming and now showing movies which can be viewed on the application and further will be available for bookings.	
Responsibilities:	Collaborators:
Add Movie Details	User TicketBooking Database

(4) CRC Index card for ADMIN:

Class Name: Admin	
Class Type: Role	
Class Description: The Admin is responsible for managing the application, performing functions like user management, movie management and theatre management.	
Responsibilities:	Collaborators:
Add Movies to Database	Database Movies
Delete Movies	Database Movies
Update Movies	Database Movies
Add Theatres	Theatres Locations Database
Process Complaints	Complaints Database
Delete Theatres	Theatres
Update Theatres	Theatres
Add User	User
Delete User	User
Update User	User
View Reviews	User

(5) CRC Index card for TICKETBOOKING:

Class Name: TicketBooking	
Class Type: Property class	
Class Description: This class is used for adding movie and ticket details as per the customer requirements and further used for payment.	
Responsibilities:	Collaborators:
Movie Ticket	User Movie Payment Seats Tickets Theatres
Update Seats Available	Seats

(6) CRC Index card for PAYMENT:

Class Name: Payment	
Class Type: Property class	
Class Description: Payment class is used to calculate the amount for the booked tickets, and a Payment ID will be allotted to every transaction.	
Responsibilities:	Collaborators:
Calculate Amount	Customer Database TicketBooking
Confirm Transaction	User
Return Money on Cancellation	User Database

(7) CRC Index card for COMPLAINTS:

Class Name: Complaints	
Class Type: Property class	
Class Description: Complaints class is used to obtain the feedback from a user which is consequently stored in the database.	
Responsibilities:	Collaborators:
Log Complaints	Customer Database
Process Complaints	

(8) CRC Index card for NOTIFICATION:

Class Name: Notification	
Class Type: Property class	
Class Description: Notify class is used to periodically generate notifications and send to users on a daily basis.	
Responsibilities:	Collaborators:
Send Notification	Customer Database Admin

(9) CRC Index card for THEATRES:

Class Name: Theatres	
Class Type: Property class	
Class Description: Theatres class provides the details of the theatres and their locations and is used in ticket booking procedure.	
Responsibilities:	Collaborators:
Update Theatre Details	Location Database TicketBooking

(10) CRC Index card for REPORTGENERATION:

Class Name: ReportGeneration	
Class Type: Property class	
Class Description: ReportGeneration is used to create reports based on analysis of movies, ticket booking and users interaction with the use of database.	
Responsibilities:	Collaborators:
Create Reports	Customer Admin Database
Delete Reports	
Print Reports	