**Movie Ticket Booking Management System**

Fancy Cinemas require ticket booking management system so they can allow their customers to book their choice of movie online and therefore reduce the waiting time while at the cinema. The Movie booking system should allow for TWO interfaces that work together seamlessly.

**RULES:** 4 Cinemas with 3 Rooms with 30 seats with Morning, Afternoon and Evening Session

MAIN INTERFACE (Normal/Administrative):

* GUEST INTERFACE: guest visitors (not logged in)
  + Register
  + Login
  + (Default)- Movies & times for one week refresh every Monday (search can filtered) /
  + Book -> Login
* CUSTOMER INTERFACE: customers (logged in)
  + (Default)- Movies & times for one week refresh every Monday (search can filtered)
  + Booking (Timed 2min)
    - Cancel
    - Choose number or people
    - Choose Seats
    - Transaction
      * The customer will require to provide "cardholder name" and "credit card number". You only need to check whether the provided credit card details match with any of this credit card list: json, and notify users when it is invalid (no match in the list).
      * Option for save transaction details store in Customer CSV
      * Receipt Given
  + Logout

INTERFACE 2 (staff/admin):

o Staff/Manager Login

* STAFF INTERFACE:
  + Modify Movies by Location – Insert, Delete, modify (add shows (time and screen type)
  + Modify Gift Card - Insert, Delete, Modify
  + Outputs When Logged In- Create CSV’s in current directory (Movies this week and bookings summary for each session and seats)
  + Logout

Actions –

insert movie data, delete movie data, modify movie data,

Add new shows for the upcoming week and choose the selected screen sizes.

Add Gift Cards and View Gift Cards

* MANAGER INTERFACE:
  + Modify Movies by Location – Insert, Delete, modify (add shows (time and screen type)
  + Modify Gift Card - Insert, Delete, Modify
  + Outputs When Logged In- Create CSV’s in current directory (Movies this week and bookings summary for each session and seats), Summary of cancelled transactions
  + Add/Remove Staff
  + Logout

INTERFACE 2 - CLASS DEPENDENCIES

* Database and Person and Card - Parsing for Staff and Manager and Movies and Gift Card, Staff/Manager – Akasha and Negeen
* Shows – Abhishek
* Transaction - Abhishek
* Movie - Abhishek
* Cinema - Aryan
* Room - Aryan

DATA:

Movies CSV

Customer CSV

Bookings CSV

Staff CSV

Transaction CSV – Cancelled (Default ID 00000) and Valid