**Requirements**

Requirement #1                                      Case #1

Introduction: Sign up functionality

Inputs: Name, email address, user ID, password

Requirements Description: The page must have fields for each input and will display a submit button to store the inputs for future use

Outputs: The user can log into their account

Requirement #2                                      Case #2

Introduction: Users will access their accounts by logging into the system

Inputs: user ID, password

Requirements Description: The page will require username and password fields and will display a submit button that will validate the user information

Outputs: The user will be redirected to the welcome page with their account information displayed

Requirement #3                                    Case #3

Introduction: Users can see a display of current and future movies

Inputs:

Requirements: The desired movies must be retrieved based on some parameters and displayed

Outputs: The movies are displayed in some order on the page

Requirement#4                                    Case#4

Introduction: Ticket and seat selection

Inputs: A theater and current or future movie is selected while a user is logged in

Requirements: The user selects a movie. If tickets are not available at the theater a message will be displayed. If the tickets are available a list of the seat locations and times for available tickets will be displayed

Outputs: The user will see when and where a movie will be shown

Requirement#5                                    Case#5

Introduction: Theater Location selection

Inputs: User selects a movie theater based on location

Requirements: A theater is selected and a list of movies available is retrieved and displayed

Outputs: A list of theaters is displayed

Requirement#6                                    Case#6

Introduction: Ticket Selection per movie

Inputs: Log in and select desired movie and filter results by age and seat styles is necessary

Requirements: All available seats and tickets matching selected preferences are displayed and selectable with the option of reserving tickets.

Outputs: A ticket is selected based on preferences

Requirement#7                                    Case#7

Introduction: Ticket purchase for user

Inputs: The user will input credit card information and choose a ticket

Requirements: The user selects the ticket and selects payment to input credit card details. There will be fields for the credit information and upon submission it will be validated

Outputs: If successful a confirmation will be displayed and if the card is declined a page with credit card input options will be displayed

Requirement#8                                    Case#8

Introduction: Adding movies by admin account

Inputs: movie details and being logged in as admin

Requirements: Fields for the movie information are available for the user to input information and if enough information is inputted, the movie is stored to be accessed later. If all the fields are not filled an error message is displayed and submission is not possible

Outputs: Confirmation that the movie was saved

Requirement#9                                    Case#9

Introduction: Showtimes update by admin

Inputs: The user is logged in as an admin and selects the movie to update or adds a new movie and navigates back to update

Requirements: Retrieve input from the user and check if the information is sufficient then validate

Outputs: A confirmation message that the particular movie was update is displayed

Requirement#10                                    Case#10

Introduction: Movie deleting by admin

Inputs: While logged in as an admin and a movie is selected, all available movies are retrieved

Requirements: The user chooses the desired movie and deletes it. A confirmation message is displayed

Outputs: If the user confirms then the movie is deleted and a confirmation message is displayed

Requirement#11                                    Case#11

Introduction: Payment Management

Inputs: User has an account with an existing payment method

Requirements: Admin validates the payment information

Outputs: If the information is not valid and an error message is displayed to the user. If the information is valid a confirmation message is displayed. If a payment method is cancelled, a refund is provided

Requirement#12                                    Case#12

Introduction: Email confirmation after ticket purchase

Inputs: The user successfully completes a ticket purchase

Requirements: A message is sent to the email recorded on the accounts as a confirmation with the ticket information

Outputs: A confirmation that an email was sent is displayed