Software Requirement Specification for QFX Cinemas

**Introduction**

QFX Cinema is Online Movie ticket Booking Website is a web-based application which developed to help the online booking of movie tickets for customers. The website try to provide user-friendly experience for customers to see available movies, select showtimes, choose seats, and book.

**Scope**

The QFX Cinema will provide users to perform the these actions:

1. Search for movies showing cinema.

2. View movie details and movie actors.

3. Check available showtimes and dates for each movie.

4. Select seats and make reservations.

5. Register and sign in user.

6. Provide booking confirmations and tickets.

**Requirement**

**Functional requirements**

* **User Manage:**

a. User Register: The website will allow users to register with their details.

b. User Login: Registered users should be able to log in into website.

* **Movie List and Details**

a. Search Movie: Users should be able to search for movies,

b. Movie Details: The QFX Cinemas will provide information of each movie,

c. Showtime: The system will display available showtimes for movie

* **Seat Selection & Booking**

a. Available seat: The website should show the available seat for each showtime.

b. Seat Selection: Users should be able to choose vacant seats.

c. Book confirm: When user select seat users should receive a ticekt wtih their booking seat.

* **Booking manage**

a. Booking History: Users should able to view their booking history, including past and upcoming reservations.

**Non-Functional Requirements**

* **Usability**

a. User-Friendly Interface: The website should be user-friendly interface easy to nagivate.

b. Responsiveness: The website should be easily access on all devices like desktops, tablets, and mobile phones.

* **Performance**

a. Website Response Time: The website will provide fast responses to user actions,

b. Scalability: The system should handle a high volume of users, incoming requests without low performance.

* **Security**

a. Data Security: All User personal data should be securely stored and protect against unauthorized access.

* **Availability**

a. System Availability: The website should be available for all time and minimize downtime for maintenance and updates.

**Feature of QFX Cinemas**

* Search Movie: Users can easily search for movies,
* Movie Details: Users can see detail information of each movie,
* Showtime: Users can view the available showtimes for each movie,
* Seat Selection: Users can choose vacant seats.
* User Registration and manage: Users can create accounts and login with providing credential
* Booking History: Users can view their booking history, including past and upcoming reservations.

**Limitations**

* Limited Cinema Locations:
* Seat Availability
* Internet Connectivity: