GQ Movies System’s Requirements

**First Screen(Sign-In/ Sign-up)**

**Functional Requirements:**

1. Allow users to sign in with their existing account.
2. Allow new users to sign up with the following details: first name, surname, email address, password, ID number, gender, residential address, and banking details.
3. Validate and verify user information during sign-up.
4. Provide password recovery/reset functionality.
5. Display appropriate error messages for incorrect login or incomplete sign-up.
6. Provide a "Remember Me" option for user convenience.

**Non-functional Requirements:**

1. Security: Ensure secure storage of user data, including password hashing and encryption.
2. Performance: Efficiently process user authentication and registration requests.
3. Usability: Create an intuitive and user-friendly interface for both sign-in and sign-up.
4. Scalability: Design the system to handle a growing user base.

**Home Screen:**

**Functional Requirements:**

1. Display three categories of movies (available movies, upcoming movies, and watched movies).
2. Implement a search function for finding specific movies.
3. Allow users to save a list of movies they plan to watch in the future.
4. Provide appropriate error messages for unavailability or non-existent movie searches.

**Non-functional Requirements:**

1. Performance: Load and display movie categories quickly.
2. Usability: Design an intuitive and visually appealing home screen.
3. Scalability: Ensure the system can handle a large movie catalogue.

**Booking Screen:**

**Functional Requirements:**

1. Allow the user to select between online streaming and physical cinema viewing.
2. For online streaming, allow users to select the streaming time.
3. For physical cinema viewing, display multiple cinema options for selection.
4. Allow users to choose their preferred seating.
5. Implement a discount system for every 5 bookings.

**Non-functional Requirements:**

1. Performance: Handle cinema and seating selection efficiently.
2. Usability: Provide clear instructions for booking options.
3. Scalability: Ensure the system can handle a high volume of bookings.

**Online Booking Screen:**

**Functional Requirements:**

1. Allow users to select the time for streaming a specific movie.

**Non-functional Requirements:**

1. Performance: Load and display streaming options quickly.

**Cinema Selection Screen (Physical Viewing):**

**Functional Requirements:**

1. Display a list of local cinemas for selection.
2. Allow users to choose their preferred seating.
3. Implement a discount system for every 5 bookings.

**Non-functional Requirements:**

1. Performance: Load and display cinema options efficiently.

**Confirmation Screen:**

**Functional Requirements:**

1. Allow users to edit or remove their booking(s).
2. Provide a confirmation option for finalizing the booking.

**Non-functional Requirements:**

1. Usability: Ensure a clear and user-friendly confirmation process.
2. Security: Protect user booking data from unauthorized access.
3. Performance: Process edits and confirmations without delays.

**Overall System Requirements:**

1. Security: Ensure data security and privacy for user information and transactions.
2. Performance: Optimize app performance to handle high user traffic and data processing for a smoother user experience.
3. Usability: The interface must be intuitive and user-friendly.
4. Scalability: The system must be able to accommodate growth in users and movie offerings.
5. Error Handling: Provide clear and informative error messages for user guidance.
6. Discount System: Ensures that discounts are calculated accurately and displayed to users during the booking process.

**Quick Design:**

