Admin Functionalities:

1. **Login**
   - Authentication process for accessing the administrative panel.

2. **Statistics**
   - Generation and display of statistical data:
     - Number of registered users.
     - Number of libraries in the system.
     - Number of borrowed books in each library.

3. **User Details**
   - Ability to view comprehensive details of registered users.

4. **Library Management**
   - Adding, updating, and deletion (CRUD operations) of library locations using a map.

5. **Category Management**
   - CRUD operations for managing book categories within each library.

6. **Book Upload**
   - Uploading books as PDFs into specific categories within the system.

7. **Book Loan Tracking**
   - Search functionality between specific dates to track loaned-out books.

8. **Profile Management**
   - Viewing and updating the admin's profile information.

9. **Reports Generation**
   - Monthly and annual reports:
     - Number of users making reservations.
     - Date of reservation submissions.

10. **Page Management**
    - Management of website pages:
      - Home
      - About us
      - Contact us
      - Testimonials

User Functionalities:

1. **Registration and Login**
   - User authentication and registration process.

2. **Library Location Search**
   - Ability to search for a specific library using a map.

3. **Book Search and Preview**
   - Searching for books and previewing them with images.

4. **Book Borrowing**
   - Borrowing books from the library.

5. **Borrowing Period Management**
   - Setting the borrowing period; penalties for exceeding the period.

6. **Commenting on Books**
   - Users can leave comments or reviews on borrowed books.

7. **Online Payment**
   - Payment via the website using bank cards.

8. **Invoice Handling**
   - Sending and downloading invoices as PDF files via email.

9. **Profile Management**
   - Users can view and update their profile information.