**Project Details and Requirements**

Before deriving requirements for the software you are going to work on, briefly describe what this software is about, its key features and limitations.

Description (include what this software is, the programming language, software type etc)

Online Movie Booking Management System

This is a online application system that allows customers to view the up-to-date movies and book movie tickets online, using Python as the programming language and Django as the framework.

Key Features of the Software

1. Convenient access to movie information
2. Access to online movie booking
3. Theatres and seats selection

Limitations of the Software

1. Outdated packages

Next, derive sensible requirements for this software based on different user groups.

Remember to also include functional and non-functional requirements.

User groups could be normal users, admin, guest, etc. This depends on the web applications.

Non-functional requirements include usability, performance, and security

Final requirements must be approved by the lecturer.

Add more rows to the tables below as need.

Functional Requirements:

|  |  |
| --- | --- |
| **User Group** | **Requirements** |
| admin | The system shall allow admin users to manage movie data |
| The system shall allow admin users to manage theatre data |
| The system shall allow admin users to access and mange user data |
| The system shall allow admin users to access and mange booking status |
| The system shall allow admin users to verify payment status |
| The system shall allow admin users to generate reports |
| Normal users | The system shall allow normal users to log in |
| The system shall allow normal users to reset password |
| The system shall allow normal users to personal accounts |
| The system shall allow normal users to view movie information |
| The system shall allow normal users to book movie online |
| The system shall allow normal users to select theaters and seats |
| The system shall allow normal users to proceed online payment |
| The system shall allow normal users to manage orders |
| Guests | The system shall allow guest users to view movie information |
| The system shall allow guest users to sign up |

Non-functional Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Security** | **Usability** | **Performance** | **Maintainability** |
| Authentication | User-friendly interface(navigation) | Low failure rate | High development maintainability |
| Authorization |  | Low latency |  |
| Payment details |  | High concurrency |  |
| Customer details |  | High availability |  |
|  |  |  |  |