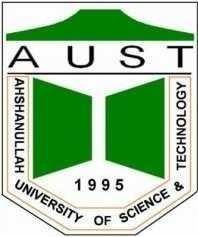
*Ahsanullah University of Science & Technology*

Department of Computer Science & Engineering



**Software Engineering II (CSE 2100)**

Submitted By:

|  |  |
| --- | --- |
| ASHIKUL ISLAM | 20210104040 |
| AFIA FAHMIDA | 20210104032 |
| SAMIN EASAR | 20210104033 |

**ABSTRACT**

The project titled “” is an online reservation system management software. The project will be developed in Netbeans 16. This software allows the users to browse and reserve different accommodations like hotels or resorts and public transports like bus, train or taking a flight as per the users’ needs and preferences. To do so a user need to create or log in to their respective accounts using login credentials as in username and password. Administrative login is also allowed to monitor the software. There is a discussion feature where users can give their reviews, ask question etc. to communicate with the administrative panel so that the users can be openly helped if need and complains can be considered to upgrade the software.

In short, the key purpose of this project is to make reservation of accommodations and public transports for long journeys easier with few strokes from just seating at home within few minutes and get access to open reviews about each category of reservations from the users themselves.

**Software Platform:**

* The project will be developed using JavaSwing
* Netbeans 16

**Identification of functional requirements:**

* + **User Login:**

This feature allows a user to login to the application using their individual mail address and password. Users can browse and reserve their desired accommodation or transport using their individual accounts.

* + **Administrative Login:**

This feature allows an admin to login to the system by providing username and password but any information mismatch will not allow an admin to enter into the system. After proper verification of the username and password, admins will be allowed to visit the Administrative home page. Through administrative login an admin can have access to some special features like: updating new accommodation, giving access to new transport companies for reservation, reply to the reviews etc.

* + **Reservation Categories:**

This feature will give users the access to browse two types of categories for reservation: Accommodations and Public Transport. Users can check and reserve hotels or public transport according to their needs.

* + **Reserve:**

Through this feature a user need to confirm their reservation according to their choice.

* + **Discussion:**

This feature lets users do an open communication with the administrative panel. Users can give both positive and negative reviews visiting this feature. They can also ask questions. Administrative panel will be able to both report the issues to authority and replying as per the emergence of the user review.

* + **Back:**

This feature allows user to go back to the website he/she just came from.

* + **New user registration:**

If a user is new to this system, he/she can sign up and register their user account via this feature. They must keep their login credentials private afterwards.

Table 01: Identifier and priority for software requirements

|  |  |  |
| --- | --- | --- |
| # | Requirement | Priority |
| R1 | User Login | High |
| R2 | Administrative login | High |
| R3 | Reservation Categories | High |
| R4 | Reserve | Medium |
| R5 | Discussion | Low |
| R6 | Back | Medium |
| R7 | New user Registration | High |
| R8 |  |  |
| R9 |  |  |
| R10 |  |  |