**ADNAN HAIDER – SP20-BSE-037**

**RAILWAY RESERVATION SYSTEM**

**LOGIN MODULE**

**Brief Description**

This use case describes how a passenger logs into the System.

**Basic Flow**

This use case starts when an actor wishes to log into the System.

It models the following actions:

* Enter a username
* Enter a password
* Click on the Login button
* Send user login info
* Validate user password
* User login accepted
* Redirect to the target page
* User login rejected
* Clear the password box and inform the user about an unaccepted user-password combination

**Alternative Flows**

**Invalid Name / Password**  
If in the *Basic Flow*the actor enters an invalid name and/or password, the system displays an error message.

The passenger can reset the password.

The actor can choose to either return to the beginning of the *Basic Flow*or cancel the login, at which point the use case ends.

**Use Case Diagram:**

Diagram, schematic

Description automatically generated

**Fully dressed Use Case :**

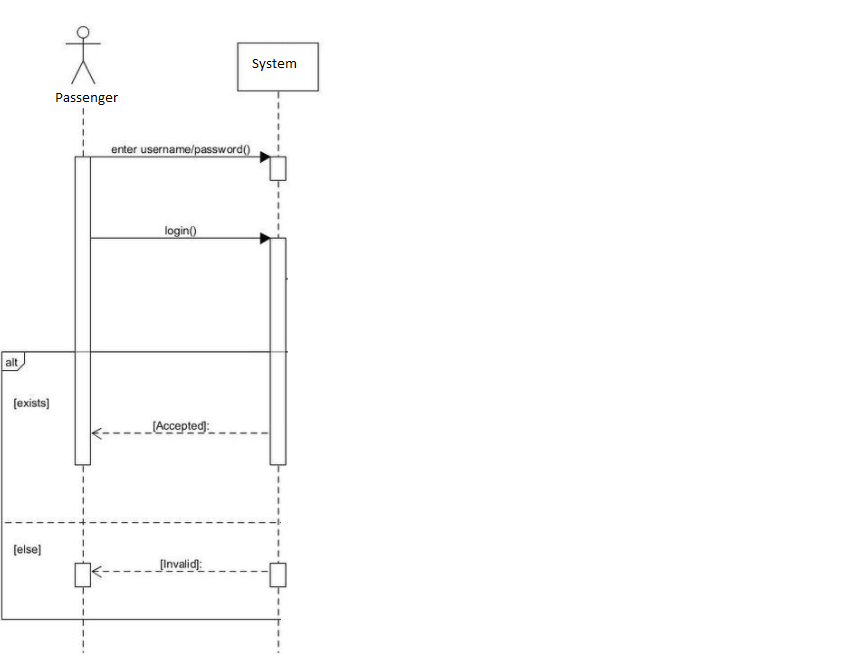
|  |  |
| --- | --- |
| **Name** | Login |
| **Scope** | Connect Me |
| **Level** | User-goal |
| **Stakeholders and Interests** | Passenger |
| **Stakeholders and Interests** | User: He /She want to login to use services. |
| **Preconditions** | User has launched the application and is ready a register user. |
| **Postconditions** | User role was set and associated with user session. |
| **Main Success Scenario** | 1. This use case starts when the user wants to login for the services 2. User provides credentials and press the login button. User is logged in. |
| **Extensions** |  |
| **Special Requirements** | Maintainability, Reliability and Accountability |

**Domain Model**

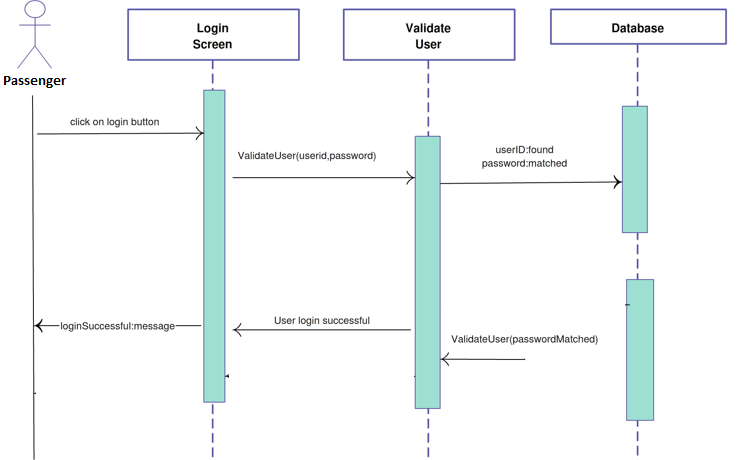
**Diagram

Description automatically generated**

**SYSTEM SEQUENCE DIAGRAM:**



**Sequence diagram:**



**OPERATION CONTRACTS:**

* **Operation**: User login (username: var password: Var)
* **Cross References**:
  + Use Case: Login User panel
  + Scenario: Process User Login
* **Preconditions**: System should ask to login when the system starts.
* **Post conditions:** Login instance has been created for User login operation. Login instance was associated with the User (association formed).