Design Document

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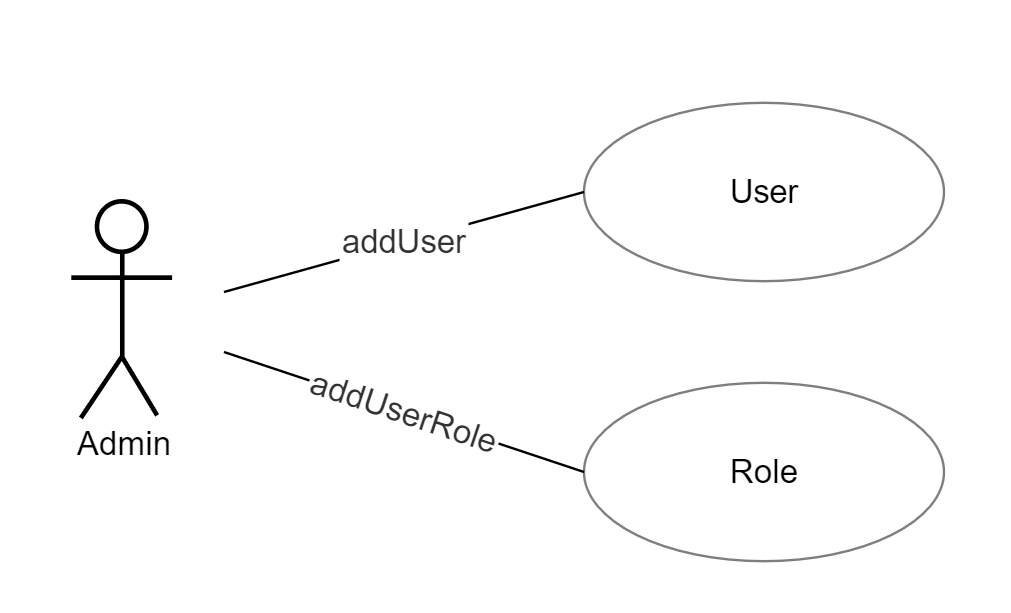
# Purpose

The document illustrates the low-level design details of user management. The document can be used by developers to implement the following functionalities,

* The administrator can add new user and user role and store it in the system.

# Use Case

The following are the use cases for which the use case diagram would be



# Flow Chart

The following are flow charts illustrate the process flow of the two use cases.

* **Add User**
* **Add Role**

Start

Add User Details

Add Role Details

Validate the details

Stop

No

Yes

Display the appropriate error message.

Data added to User, Roles and User Roles tables

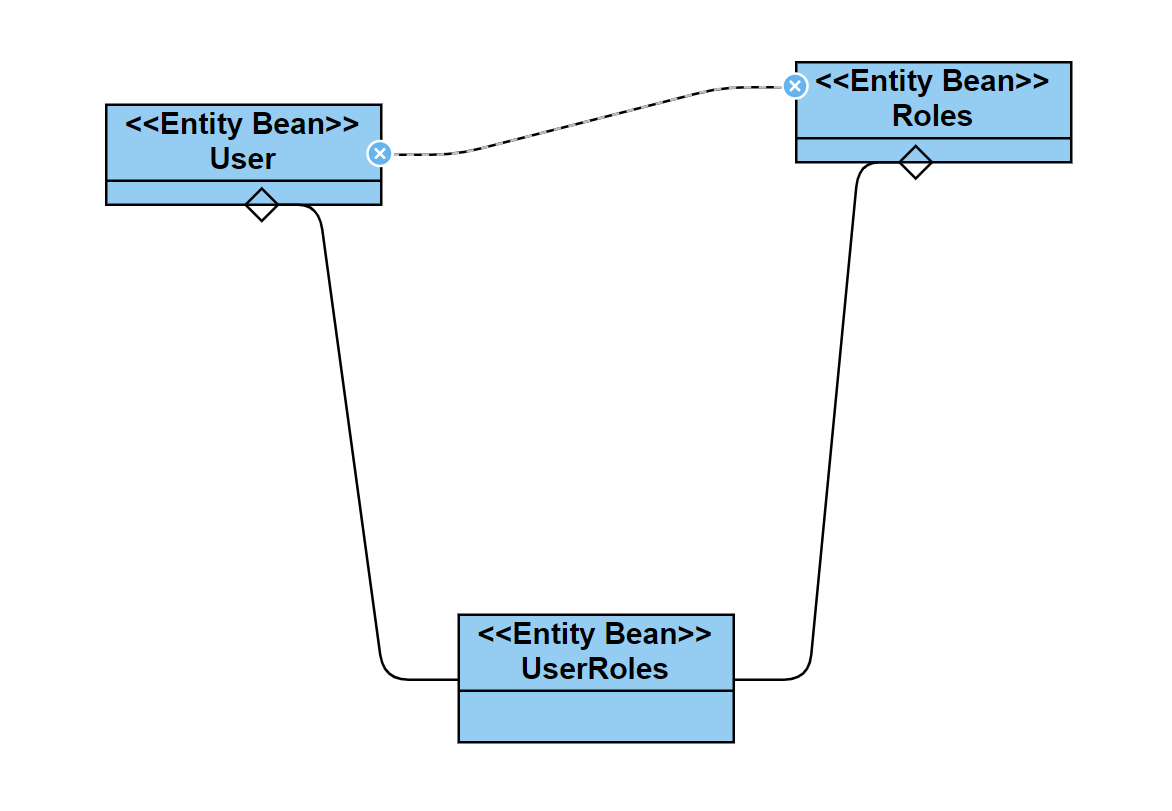
# Database Design

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Table Name | Column Name | Column Discription | Data Type | Data Size | Primary Key | Foreign Key |
| user | user\_id |  | number | 11 | Yes |  |
|  | user\_code |  | number | 50 | No |  |
|  | user\_phone |  | varchar | 50 | No |  |
|  | user\_email |  | varchar | 200 | No |  |
|  | pan\_no |  | varchar | 50 | No |  |
|  | user\_password |  | varchar | 50 | No |  |
|  | is\_active |  | boolean |  | No |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Table Name | Column Name | Column Discription | Data Type | Data Size | Primary Key | Foreign Key |
| role | role\_id |  | number | 11 | Yes |  |
|  | role\_description |  | varchar | 50 | No |  |
|  | is\_active |  | varchar | 50 | No |  |
|  | created\_by |  | varchar | 200 | No |  |
|  | updated\_by |  | varchar | 50 | No |  |
|  | created\_on |  | date |  | No |  |
|  | updated\_on |  | date |  | No |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Table Name | Column Name | Column Discription | Data Type | Data Size | Primary Key | Foreign Key |
| user\_role | user\_role\_id |  | number | 11 | Yes |  |
|  | user\_id |  | number | 50 | No |  |
|  | role\_id |  | varchar | 50 | No |  |
|  | is\_active |  | varchar | 200 | No |  |
|  | created\_by |  | varchar | 200 | No |  |
|  | updated\_by |  | varchar | 50 | No |  |
|  | created\_on |  | date |  | No |  |
|  | updated\_on |  | date |  | No |  |

## Class Diagram:



## Sequence Diagram:

### Create User and User Role:

