

Group Name: Avengers

Group No: 02

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BANK LOAN MANAGEMENT SYSTEM

**ANGULAR COMPONENTS:**

|  |  |
| --- | --- |
| **Components** | **Description** |
| Login | Login Component will be comprising of Admin login and User login. It is a role-based authentication and authorisation login. |
| Register | If not an existing user, the user will register himself/herself to use the services. |
| CardBody | This component will be called initially to display the types of loans and then user will select a particular type of loan. |
| UserDetails | This component will take all the user details required for applying for the loan like personal details, salary details, etc. |
| UserDetailsGet | This component is for displaying the user details on admin panel. |
| DocVerify | Admin will check the documents and proceed with further loan process. |

**TEST CASES:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Scenario | Test Steps | Test Data | Expected Result | Actual Result | Pass/Fail |
| LC01 | Admin with valid data tries to login. | 1. Go to localhost:4200  2. Click on Login link.  3. Enter credentials.  4. Login | Username: admin2 Password: adminadmin | Admin should be able to login. | As expected | Pass |
| LC02 | Admin with incorrect credentials. | 1. Go to localhost: 4200.  2. Click on Login link.  3. Enter credentials.  4. Login | Username: nikita Password: 123456789 | Admin should not be able to login | As expected | Pass |
| LC03 | User with incorrect credential s tries to login | 1. Go to localhost: 4200.  2. Click on Login link.  3. Enter credentials.  4. Login | Username: Admin2  Password:  admin | Error-> Unauthorized | As expected | Pass |
| LC04 | Nothing is entered. | 1. Go to localhost: 4200.  2. Click on Login link.  3. Enter credentials.  4. Login | none | Username and Password required | As expected | Pass |
| SU01 | All required credential s are entered | 1. Go to localhost: 4200.  2. Click on Login link.  3. Click on Sign up link  4. Enter credentials.  5. Signup | Name Username Email Password Contact | User is signed up successfully. | As expected | Pass |
| SU02 | Some fields are unfilled. | 1. Go to localhost: 4200. 2. Click on Login link.  3. Click on Sign up link  4. Enter credentials.  5. Signup | Name Username Password Contact | Email is required. | As expected | Pass |

**DATABASE:**

There will be one database for the whole application which will be consisting of five tables.

Roles Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Id | Bigint(20) | No | PRI | NULL | Auto\_increment |
| Name | Varchar(20) | Yes | UNI | NULL |  |

Users Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Id | Bigint(20) | No | PRI | NULL | Auto\_increment |
| Email | Varchar(50) | Yes | UNI | NULL |  |
| Name | Varchar(50) | Yes |  | NULL |  |
| Password | Varchar(100) | Yes |  | NULL |  |
| Username | Varchar(50) | Yes | UNI | NULL |  |

User\_roles Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| User\_id | Bigint(20) | No | PRI | NULL |  |
| Role\_id | Bigint(20) | No | PRI | NULL |  |

Loanmgmt Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Id | Int(11) | No | PRI | NULL | Auto\_increment |
| Adressproof | Varchar(255) | Yes |  | NULL |  |
| Amountrequired | Double | No |  | NULL |  |
| Cibilscore | Int(11) | No |  | NULL |  |
| Current\_emi | Int(11) | No |  | NULL |  |
| Emailid | Varchar(255) | Yes |  | NULL |  |
| gender | Varchar(255) | Yes |  | NULL |  |
| Mobileno | Varchar(255) | Yes |  | NULL |  |
| Name | Varchar(255) | Yes |  | NULL |  |
| Pincode | Int(11) | No |  | NULL |  |
| Residencetype | Varchar(255) | Yes |  | NULL |  |
| salary | Double | No |  | NULL |  |

**BUSINESS FEATURES:**

The business features are as follows:

* The application is digitalized i.e. the entire loan process can be done online from anywhere and at any time.
* Reduces customer’s time of visiting the bank and going through all the paperwork at specified bank time.
* The loan interest is calculated and provided to user on the spot and user gets clarity about how much amount he/she should apply for the loan.