**SKILL TRACKER (GROUP 4)**

**BUSINESS FEATURES:**

**Modules:**

|  |  |
| --- | --- |
| Login | Admin/User can first register/signup and then login to use the application |
| Admin | Admin can   * View jobs, courses, skills * Add new jobs, courses, skills * Delete jobs, courses, skills * Update skills |
| User | User can   * View jobs, courses, skills * Create his/her profile and add his/her skills * Apply for jobs and courses |

**Components:**

|  |  |
| --- | --- |
| @Skills | Display the skills and view the ratings of the skills |
| @Jobs | Display the jobs and the companies providing the jobs |
| @Courses | Display the courses along with the related websites |

**DATABASES:**

***Skill-***

|  |
| --- |
| Skill\_id - [int (20), auto increment, primary key, not null] |
| Skill\_name - [varchar (30), not null] |
| Priority - [int (20), not null] |

***Course-***

|  |
| --- |
| Course\_id - [int (20), primary key, not null] |
| Course\_name - [varchar (100), not null] |
| Course\_link - [varchar (100), not null] |
| Course\_description - [varchar (400)] |

***Job-***

|  |
| --- |
| Job\_id - [int (20), primary key, not null] |
| Job\_description - [varchar (400)] |
| Company\_name - [varchar (100), not null] |
| Job\_title - [varchar (400)] |
| Job\_link - [varchar (100), not null] |

***user-***

|  |
| --- |
| Id - [int (20), primary key, not null, auto increment] |
| Email - [varchar (50), unique] |
| Name - [varchar (50)] |
| Password - [varchar (50)] |
| Username - [varchar(50), unique] |

***roles-***

|  |
| --- |
| Id – [int (20), primary key, auto increment, not null] |
| Name – [varchar (20), unique] |

***user\_roles-***

|  |
| --- |
| User\_id - [int (20), primary key] |
| Role\_id - [int (20), primary key] |

***user\_profile -***

|  |
| --- |
| Id - [int (20), not null] |
| Name- [varchar (20), not null] |
| Skill1 - [varchar (20), not null] |
| Skill2 - [varchar (20)] |
| Skill3 - [varchar (20)] |

**UNIT TEST CASES:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TEST CASE** | **TEST STEPS** | **TEST DATA** | **EXPECTED DATA** | **OBTAINED DATA** | **PASS / FAIL** |
| Admin with valid data tries to login | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login | Username: joel5121  Password: mastekadmin | Admin should be able to login | As expected | Pass |
| Admin with incorrect login credentials tries to login | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login | Username: joel5121  Password: hello1234 | Error: unauthorized | As expected | Pass |
| User with incorrect login credentials tries to login | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login | Username: hello01  Password: 1234567890 | User should be able to login | As expected | Pass |
| User with incorrect login credentials tries to login | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login | Username: hello01  Password: hello1234 | Error: unauthorized | As expected | Pass |
| If nothing is entered | 1. go to localhost:4200  2. click on login  3. login | None | Password and username required | As expected | Pass |
| If fields in signup form are left unfilled | 1. go to localhost:4200  2. click on login  3. click on signup | Certain fields in form left unfilled, or not filled properly | Validators for appropriate fields shown | As expected | Pass |
| Admin tries to add job | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to job board  6. click add job | Enter job id  Enter company name  Enter job description  Enter job title  Enter job url | Job should be added | As expected | Pass |
| Admin tries to delete job | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to job board  6. click delete job | None | Job should be deleted | As expected | Pass |
| Admin tries to add course | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to course board  6. click add course | Enter course id  Enter course name  Enter course description  Enter course url | Course should be added | As expected | Pass |
| Admin tries to delete course | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to course board  6. click delete course | None | Course should be deleted | As expected | Pass |
| Admin tries to add skill | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to skill board  6. click add skill | Enter skill id  Enter skill name  Enter priority | Skill should be added | As expected | Pass |
| Admin tries to delete skill | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to skill board  6. click delete skill | None | Skill should be deleted | As expected | Pass |
| Admin tries to update rating | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to skill board  6. click on update | Skill id  Skill rating | Rating should get updated | As expected | Pass |
| Admin tries to add rating more than 10 | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to skill board  6. click on update | Skill id  Skill rating | Rating should not get updated | Rating gets updated | fail |
| Admin tries to add multiple job/course/skill with same id | 1. go to localhost:4200  2. click on login  3. enter credentials  4. login  5. go to job/course/skill board  6. click add skill | Add respective details | Multiple ids should not be entered in database | As expected | Pass |