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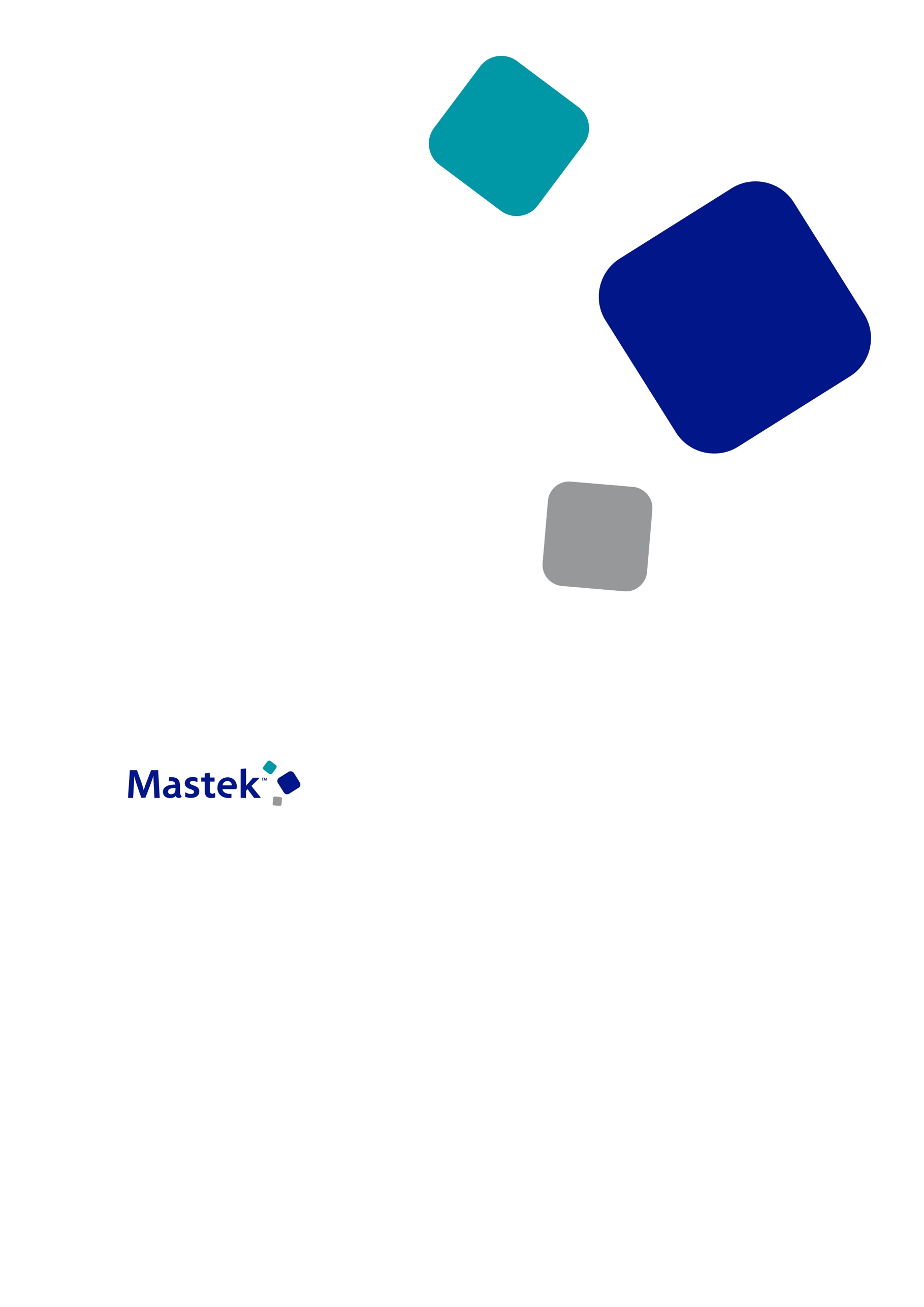
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Skill Tracker

Group No.: 4 (Justice League)

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Date DD/MM/YY

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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 |

COMPONENTS:

|  |  |
| --- | --- |
| @Admin | Display admin related data |
| @Auth | Manage the authentication |
| @Home | Display the home page of the application |
| @Login | Display the sign in/login page |
| @User | Display user related data |
| @Skill | Display the skills and view the ratings of the skills |
| @Job | Display the jobs and the companies providing the jobs |
| @Course | 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-***

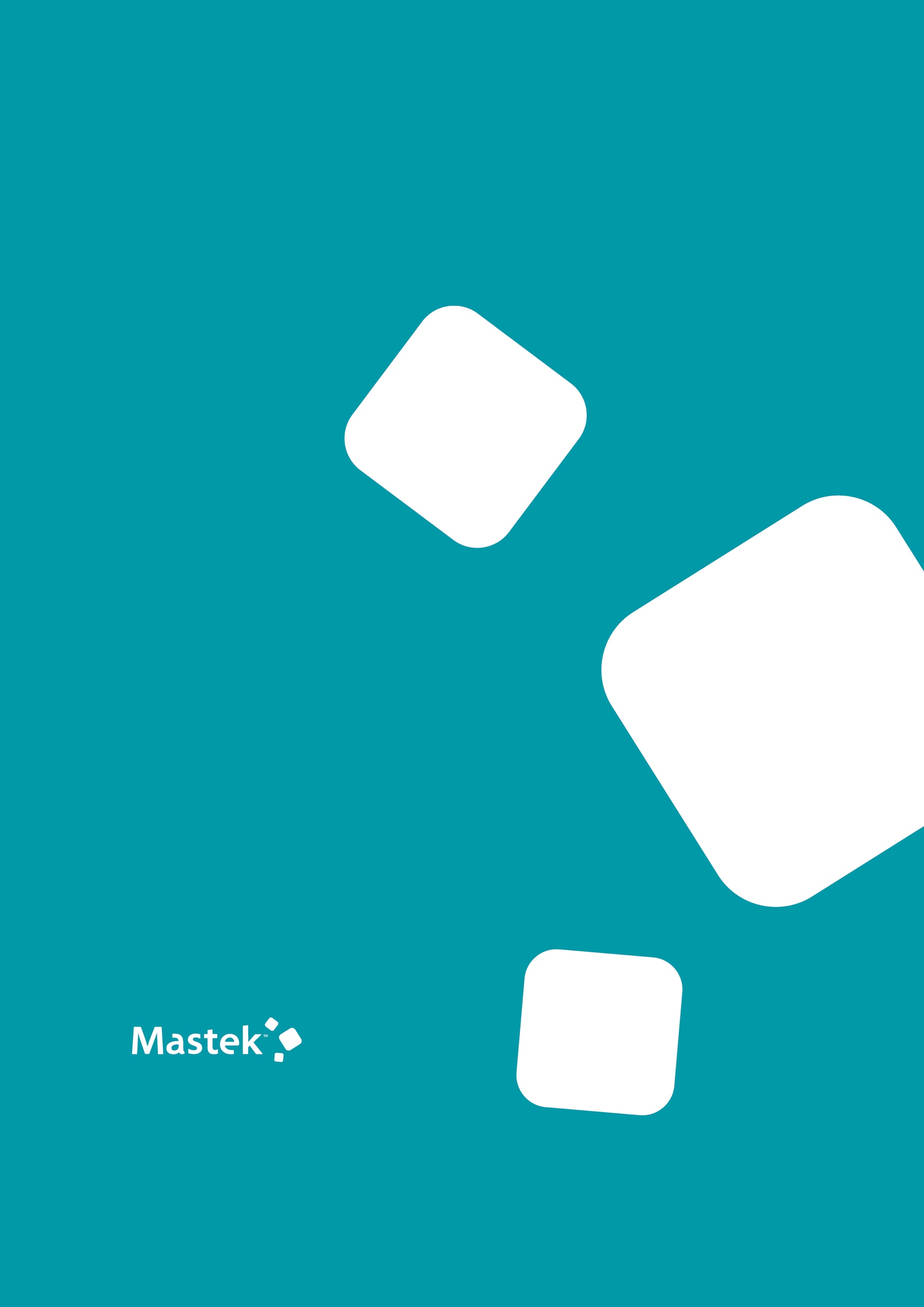
|  |
| --- |
| User\_id - [int (20), primary key] |
| Role\_id - [int (20), primary key] |

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 correct 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 skill 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 5 | 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 does not get updated  (Rating is selected using dropdown) | Pass |

BUSINESS FEATURES:

* User can view the various trending technologies which will help him/her give their future a better shape.
* A secured login for each and every user.
* User can view jobs in a reputed company for a particular skill.
* User can view best online courses for a particular skill thus enhancing knowledge in that field.
* Visitor can know more about the technology by just clicking on the companies/skills logo which is navigated to the Wikipedia page.



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