|  |  |
| --- | --- |
| **Back-end Java Developer Exam – Evaluation Guide** |  |

This document will be used as a guide to evaluate the Java developer programming exam output. The examiner may wish to fail immediately the submitted output if any of the following issues occur:

1. Cannot build the project due to unknown or unresolvable issues
2. Cannot run/deploy the project to the target web/application server
3. The examiner cannot login to the web application using the default accounts **admin** and **user** as specified in the exam document

**Passing Rate:** 75%

|  |  |  |
| --- | --- | --- |
| **Criteria** | | **Percentage** |
| **Source Code Over Time**   * The examiner will evaluate the quality of the code written * This evaluation will also consider how much time was taken to finish the exam | | 20% |
| **Data Model**   * Model relationship design and mapping * Collection Lazy loading | | 15% |
| **Logic Segregation**   * Controllers should only handle HTTP request/response related logic * Business logic should be separated from POJO models * Utility methods should be on utility classes | | 15% |
| **Velocity/Templating Engine**  Use of templating engine for the view | | 10% |
| **Functionality** | | 40% |
| Admin User | |  |
| * Employees page should display all required information * “age” and “# of Years in the Company” should be computed correctly | *5%* |  |
| * Employee Info Page should save all the input values correctly to the DB | *5%* |  |
| * Employee Info Page – date fields should be validated and formatted correctly | *5%* |  |
| * Employee Info Page – max characters defined in the DB should be validated when saving/updating the record | *5%* |  |
| * Employee Info Page – can add/edit/remove contact info and should be reflected on the DB correctly | *5%* |  |
| * Employee Info Page – can add/edit/remove address info and should be reflected on the DB correctly | *5%* |  |
| Standard User | |  |
| * Standard user cannot edit any employee info | *5%* |  |
| No User | |  |
| * All secured page routes should not be accessible when no user is logged in | *5%* |  |

**Bonus Points:**

|  |  |
| --- | --- |
| **Criteria** | **Points** |
| Front-end Skills   * The examinee has incorporated JS codes/libraries to dynamically render the view | +2 |
| DB Migration   * The examinee has incorporated automatic loading of the migration script for the default data of the web app either during deployment or build process | +2 |