**Requirement Specification**

**Hierarchical Labeling**

1. The HR employee shall be able to login to the system.
   1. The HR employee shall enter the username which is the employee number.
   2. The HR employee shall enter the password.
      1. The password shall be strong and consists of 8-character mix of capital, small, and digits.
   3. The system shall display the homepage if the username and password are valid.
   4. The system shall display an error message if the username and password are invalid
2. The HR employee shall be able to register a new employee to the system.
   1. The system shall display a window that asks the HR employee to enter the national ID details of the new employee.
      1. The HR employee shall enter the new employee NID number which consist of an alphabet and 10 digits.
      2. The HR employee shall enter the new employee First Name.
      3. The HR employee shall enter the new employee Last Name.
      4. The HR employee shall enter the new employee Gender.
      5. The HR employee shall enter the new employee Place of Birth.
      6. The HR employee shall enter the new employee Date of Birth.
      7. The HR employee shall enter the new employee Issue Date.
      8. The HR employee shall enter the new employee Expiry Date.
      9. The HR employee shall enter the new employee Issue Place.
   2. The system shall display a window that asks the HR employee to enter the accredited certificates details of the new employee.
      1. The HR employee shall enter Secondary School certificate details
         1. The HR employee shall enter grade out of 100.
         2. The HR employee shall enter the institute name.
         3. The HR employee shall enter the place of the institute.
         4. The HR employee shall enter the date of certificate.
      2. The HR employee shall enter BSc certificate details.
         1. The HR employee shall enter BSc Grade.
         2. The HR employee shall enter the institute name.
         3. The HR employee shall enter the place of the institute.
         4. The HR employee shall enter the date of certificate.
      3. The HR employee shall enter Higher education certificate(s): (Master, PhD, MPhil) details.
         1. The HR employee shall enter institute name.
         2. The HR employee shall enter place of the institute.
         3. The HR employee shall enter the date of certificate.
   3. The HR employee shall enter the passport details of the new employee.
   4. The HR employee shall enter the health check results of the new employee.
   5. The HR employee shall enter the bank account details of the new employee.
   6. The system shall display an error message if there was a inconsistency in data entered.

**Textual Hierarchy Labeling**

**Login:** The HR employee shall be able to login to the system.

**.ID** The HR employee shall enter the username which is the employee number.

**.Password** The HR employee shall enter the password.

**.ConsistOf** The password shall be strong and consists of 8-character mix of capital, small, and digits.

**.Homepage** The system shall display the homepage if the username and password are valid.

**.Error** The system shall display an error message if the username and password are invalid

**Register:** The HR employee shall be able to register a new employee to the system.

**.NID** The system shall display a window that asks the HR employee to enter the national ID details of the new employee.

**.Number** The HR employee shall enter the new employee NID number which consist of an alphabet and 10 digits.

**.FirstName** The HR employee shall enter the new employee First Name.

**.LastName** The HR employee shall enter the new employee Last Name.

**.Gender** The HR employee shall enter the new employee Gender.

**.PlaceOfBirth** The HR employee shall enter the new employee Place of Birth.

**.DateOfBirth** The HR employee shall enter the new employee Date of Birth.

**.IssueDate** The HR employee shall enter the new employee Issue Date.

**.ExpiryDate** The HR employee shall enter the new employee Expiry Date.

**.IssuePlace** The HR employee shall enter the new employee Issue Place.

**.AccreditedCertificates** The system shall display a window that asks the HR employee to enter the accredited certificates details of the new employee.

**.SecondarySchool** The HR employee shall enter Secondary School certificate details

**.Grade** The HR employee shall enter grade out of 100.

**.InstituteName** The HR employee shall enter the institute name.

**.Place** The HR employee shall enter the place of the institute.

**.Date** The HR employee shall enter the date of certificate.

**.BSc** The HR employee shall enter BSc certificate details.

**.Grade** The HR employee shall enter grade out of 100.

**.InstituteName** The HR employee shall enter the institute name.

**.Place** The HR employee shall enter the place of the institute.

**.Date** The HR employee shall enter the date of certificate.

**.HigherEducation** The HR employee shall enter Higher education certificate(s): (Master, PhD, MPhil) details.\

**.InstituteName** The HR employee shall enter the institute name.

**.Place** The HR employee shall enter the place of the institute.

**.Date** The HR employee shall enter the date of certificate.

**.Passport** The HR employee shall enter the passport details of the new employee.

**.HealthResults** The HR employee shall enter the health check results of the new employee.

**.BankDetails** The HR employee shall enter the bank account details of the new employee.

**.Error** The system shall display an error message if there was a inconsistency in data entered.

**Labeling By Requirement Type**

**UR-1** The HR employee shall be able to login to the system.

**FR-1** The HR employee shall enter the username which is the employee number.

**FR-2** The HR employee shall enter the password.

**FR-3** The password shall be strong and consists of 8-character mix of capital, small, and digits.

**FR-4** The system shall display the homepage if the username and password are valid.

**FR-5** The system shall display an error message if the username and password are invalid

**UR-2** The HR employee shall be able to register a new employee to the system.

**FR-6** The system shall display a window that asks the HR employee to enter the national ID details of the new employee.

**FR-7**The HR employee shall enter the new employee NID number which consist of an alphabet and 10 digits.

**FR-8** The HR employee shall enter the new employee First Name.

**FR-9** The HR employee shall enter the new employee Last Name.

**FR-10** The HR employee shall enter the new employee Gender.

**FR-11** The HR employee shall enter the new employee Place of Birth.

**FR-12** The HR employee shall enter the new employee Date of Birth.

**FR-13** The HR employee shall enter the new employee Issue Date.

**FR-14** The HR employee shall enter the new employee Expiry Date.

**FR-15** The HR employee shall enter the new employee Issue Place.

**FR-16** The system shall display a window that asks the HR employee to enter the accredited certificates details of the new employee.

**FR-17** The HR employee shall enter Secondary School certificate details

**FR-18** The HR employee shall enter grade out of 100.

**FR-19** The HR employee shall enter the institute name.

**FR-20** The HR employee shall enter the place of the institute.

**FR-21** The HR employee shall enter the date of certificate.

**FR-22** The HR employee shall enter BSc certificate details.

**FR-23** The HR employee shall enter grade out of 100.

**FR-24** The HR employee shall enter the institute name.

**FR-25** The HR employee shall enter the place of the institute.

**FR-26** The HR employee shall enter the date of certificate.

**FR-27** The HR employee shall enter Higher education certificate(s): (Master, PhD, MPhil) details.

**FR-28** The HR employee shall enter the institute name.

**FR-29** The HR employee shall enter the place of the institute.

**FR-30** The HR employee shall enter the date of certificate.

**FR-31** The HR employee shall enter the passport details of the new employee.

**FR-32** The HR employee shall enter the health check results of the new employee.

**FR-33** The HR employee shall enter the bank account details of the new employee.

**FR-34** The system shall display an error message if there was an inconsistency in data entered.