**CAMPUS SELECTION SYSTEM**

* A college Campus Selection System that consists of a student login, company login and an admin login.
* The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer.
* The software system allows the students to create their profiles and upload all their details including their marks onto the system.
* The admin can check each student details and can remove faulty accounts.
* The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes.
* The software system allows students to view a list of companies who have posted for vacancy.
* The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules.
* The system handles student as well as company data and efficiently displays all this data to respective sides.

**Requirement Analysis**

1.**Purpose of Campus Selection System:**

* **GOAL** : 1.Maintain individual Student record.  
  2. Maintain Section wise Student details.  
  3. Evaluating Student performance.  
  4. Generating random ID for each student which is unique.  
  5. Making only eligible Students to take the test.  
  6. Allow online registrations for the On-Line Selection Test.  
  7. Allow online requests and support for the examination.  
  8. Providing proper Technical Assistance to the User.  
  9. Providing On-Line Help.
* **Scope** : 1.This system automates the Selection process activities that the HR Department has to perform prior to and after the actual act of selecting the students.

2. This system helps in various ways such as saving time and cost of selecting Students and companies. 3. That set of concepts is used to build a system for easily Communication between students and companies and company can get required eligible students.

* **Objectives** :

1. Development of rich web based Campus Selection System for Universities and any Companies.

2. Universities and companies can get benefited through this system. This Software is fully integrated with Student and Company Relationship Management and developed in a manner that is easily manageable, time and cost saving that shows relieving one from manual works.

3. Online Campus Selection provides automated technical screening, intellectual evaluation, electronic mail integration to conduct recruitment.

4. This feature’s helps in many ways like saving cost, time and paper work, this shows the paperless environment, unlimited Custom and reports.

**2. Functional Requirement** :

* The functional requirement of Campus Selection system this is that it does what it is meant for. A functional requirement describes what a software system should do, while non-functional requirements place constraints on how the system will do so.
* Functional requirements specify a function that a system or system component must be able to perform. It can be documented in various ways. The most common ones are written descriptions in documents and use cases.
* Few of its functional requirements are as given below:-

1. The software system allows the students to create their profiles and upload all their details including their marks onto the system. The software system allows students to view a list of companies who have posted for vacancy.

2. The admin can check each student details and can remove faulty accounts. The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules.

3. The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes.

**3. NON-Functional Requirement** :

* Non-functional necessities square measure the other demand than practical necessities. This square measure the necessities that specify criteria which will be would not to choose the operation of a system, instead of specific behaviours.
* Non-functional necessities square measure within the style of “system shall be “, associate degree overall property of the system as a full or of a specific facet and not a particular operation. The system’s overall properties remarkably mark the distinction between whether or not the event project has succeeded or unsuccessful.
* Non-functional necessities – are often divided into 2 main categories:
* Execution qualities, like security and usefulness, that square measure evident at the runtime.
* Evolution qualities, like liabilities, maintainability, flexibility and quantifiable, that square measure embodied within the static structure of the code.
* Non-functional necessities place restrictions on the merchandise being developed, the event method, and specify external constraints that the merchandise should meet
* Our project qualifies all the criteria of functional and non-functional accordingly and the system is up to mark performance vice. Here we need to take care of few more things before heading towards the system.
* The most important feature of application world is that application’s ease of usage .application will easy to use if made while keeping in mind that user need not think twice about searching any feature.
* Everything should be made distinctive by using the colour combination such that everything needed most frequently highlighted with focus colours. We can use simple layouts like the card and grid layout etc.

**ADVANTAGES** :

* There will be no need of putting up notice or emailing every student about the company coming in college. The students can keep updated themselves through this software.
* The company can view all students’ detail and system can shortlist students according to their criteria instead of doing manually.
* There is admin login that can view and manage both students and company’s account and also can put up notifications.
* Student can register online instead of going to placement department for registration.
* This system saves time and efforts.

**DISADVANTAGES :**

* Student can’t edit their application once sent. It would require admin to change the data.
* It requires large database.

**FUNCTIONAL STUDY** :

**User Module** :

|  |  |
| --- | --- |
| **Module** | User |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User Name * Password | |
| **Validation** | |
| * Username should not blank. * Password should not blank. * Invalid Username or password. * System locked for three wrong password entered. * Password should expire in 60 days * Password has expired ,change the password | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Dashboard | |

|  |  |
| --- | --- |
| **Module** |  |
| **Menu Reference** |  |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User ID * Password | |
| **Validation** | |
| * Username should not blank. * Password should not blank. * Invalid User Id or password. * System locked for three wrong password entered. * Password should expire in 60 days * Password has expired ,change the password | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Dashboard | |

|  |  |
| --- | --- |
| **Screen Name** | User Profile |
| **Module** | User |
| **Menu Reference** |  |
| **Dependency on Module** | Login |
| **Inputs** | |
| * User Name & User Id * Roll No & Mobile No * Email Id * DOB * Address * Gender * Gender | |

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| --- |
| **Validation** |
| * Username should not blank. * All fields are mandatory (\*) * Could not save data at this time. * User already exist |
| **Process Logic** |
|  |
| **Output** |
| * Data save Successfully and Redirect to Admin Home Page |

|  |  |
| --- | --- |
| **Module** | Admin |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User ID * Password | |
| **Validation** | |
| * Admin ID should not blank. * Password should not blank. * Invalid ID or password. * System locked for three wrong password entered. * Password should expire in 60 days * Password has expired ,change the password | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Dashboard | |

**Admin Module :**

|  |  |
| --- | --- |
| **Screen Name** | Admin Profile |
| **Module** | Admin |
| **Menu Reference** |  |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Admin Id * Email Id * Mobile * Admin Name * Address * Gender | |

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| **Validation** |
| * Admin name should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Admin already exist |
| **Process Logic** |
|  |
| **Output** |
| * Data save Successfully and Redirect to Admin Home Page |

|  |  |
| --- | --- |
| **Module** | Company |
| **Menu Reference** | Login |
| **Dependency on Module** | NA |
| **Inputs** | |
| * User ID * Password | |
| **Validation** | |
| * Company ID should not blank. * Password should not blank. * Invalid ID or password. * System locked for three wrong password entered. * Password should expire in 60 days * Password has expired ,change the password | |
| **Process Logic** | |
|  | |
| **Output** | |
| * Redirect to Admin Dashboard | |

**Company Module :**

|  |  |
| --- | --- |
| **Screen Name** | Company Profile |
| **Module** | Company |
| **Menu Reference** |  |
| **Dependency on Module** | Login |
| **Inputs** | |
| * Company Id & Company Full Name * Mobile * Email Id * Website * Address * Location | |

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| --- |
| **Validation** |
| * Company name should not blank. * All fields are mandatory (\*) * Could not save data at this time. * Company already exist |
| **Process Logic** |
|  |
| **Output** |
| * Data save Successfully and Redirect to Admin Home Page |

**DESIGN DOCUMENT :**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. USER\_PROFILE | | | |
| Description- User Registration. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| USER\_ID | INT | User Id | Pk |
| USER\_NAME | VARCHAR(20) | Name of User |  |
| Roll No | VARCHAR(20) | Student Roll No |  |
| USER\_EMAIL | VARCHAR(20) | Email Id |  |
| USER\_CONTACT | VARCHAR(20) | Contact No |  |
| USER\_DOB | VARCHAR(50) | Student DOB |  |
| USER\_ADDRESS | DATETIME | Address Of Student |  |
| GENDER | VARCHAR(50) | Gender of Student |  |

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| 2. ADMIN\_PROFILE | | | |
| Description- Admin Registration. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| ADMIN\_ID | INT | Admin Id | Pk |
| ADMIN\_NAME | VARCHAR(20) | Name of Admin |  |
| ADMIN \_EMAIL | VARCHAR(20) | Email Id |  |
| ADMIN \_CONTACT | INT | Contact No |  |
| ADMIN \_ADDRESS | VARCHAR(50) | Address Of Admin |  |
| Gender | VARCHAR(20) | Gender of Admin |  |

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| --- | --- | --- | --- |
| 3. COMPANY\_PROFILE | | | |
| Description- Company Registration | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| COMPANY\_ID | INT | Company Id | Pk |
| COMPANY \_NAME | VARCHAR(20) | Name of Company |  |
| COMPANY \_EMAIL | VARCHAR(20) | Email Id |  |
| COMPANY \_CONTACT | INT | Contact No |  |
| WEBSITE | VARCHAR(50) | Company Website |  |
| USER\_ADDRESS | VARCHAR(50) | Address Of Company |  |
| LOCATION | VARCHAR(50) | Company Location |  |

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| --- | --- | --- | --- |
| 4. ADDJOB\_PROFILE | | | |
| Description- Company adds job detail as per their requirement | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| COMPANY\_ID | INT | Company ID | Pk |
| COMPANY\_NAME | VARCHAR(20) | Name of Company |  |
| COMPANY\_EMAIL | VARCHAR(20) | Email Id |  |
| REQUIRED\_SKILL | VARCHAR(20) | Skill Required for Job |  |
| JOB\_CATEGORY | VARCHAR(50) | Job Category |  |
| EXPECTED\_SALARY | INT | Student Expected Salary |  |
| WORKING\_HOUR | DATETIME | Job Working Hour |  |
| JOB\_LOCATION | VARCHAR(50) | Location Of Job |  |
| LAST\_APPLYDATE | VARCHAR(20) | Apply Last Date |  |

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| 5. APPLYJOB\_PROFILE | | | |
| Description- Table store information which student apply in which company job. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| APPLYJOB\_ID | INT | Apply Job Id | Pk |
| JOB\_ID | INT | Job Id |  |
| COMPANY\_ID | INT | Company Id |  |
| USER\_ID | INT | User Id |  |
| STATUS | VARCHAR(50) | Status |  |

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| 6. ADMIN-INBOX\_PROFILE | | | |
| Description- Store messages for admin only. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| ID | INT | User Id | Pk |
| FROM\_NAME | VARCHAR(20) | Name of from |  |
| MOBILE\_NO | VARCHAR(50) | Mobile No |  |
| EMAIL\_ID | VARCHAR(20) | Email Id |  |
| MESSAGE | VARCHAR(50) | Message |  |

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| 7. INBOX\_PROFILE | | | |
| Description- Store messages for student and company. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| ID | INT | User Id | Pk |
| NAME | VARCHAR(20) | Name of User |  |
| [FROM] | VARCHAR(20) | From which |  |
| [TO] | VARCHAR(20) | To whom |  |
| MESSAGE | VARCHAR(50) | Message |  |
| STATUS | VARCHAR(20) | Status |  |

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| 8. ELIGIBLE\_PROFILE | | | |
| Description- Store only those student data who are eligible for exam test. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| USER\_ID | INT | User Id | PK |
| USER\_NAME | VARCHAR(20) | Name of User |  |
| USER\_ROLLNO | VARCHAR(20) | User Roll No |  |
| EXAM\_NAME | VARCHAR(20) | Exam Name |  |
| EXAM\_DATE | INT | Exam Date |  |

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| 9. QUESTIONPAPER\_PROFILE | | | |
| Description- Sql table keep records of question paper details & question paper wise. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| QPAPER\_ID | INT | Question paper Id | PK |
| COMPANY\_ID | INT | Company Id |  |
| COMPANY\_NAME | VARCHAR(20) | Company Name |  |
| QPAPER\_NAME | VARCHAR(20) | Question Paper name |  |
| EXAM\_NAME | VARCHAR(20) | Exam name |  |
| TOTAL\_MARK | INT | Total mark |  |
| RIGHT\_ANSWER | VARCHAR(50) | Right Answer |  |
| ENTRY\_DATE | DATETIME | Entry date |  |

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| 10. RESULT\_PROFILE | | | |
| Description- Stores the result of students. | | | |
| **Field Name** | **Data Type** | **Description** | **Key** |
| RESULT\_ID | INT | Result Id | PK |
| USER\_ID | INT | User Id |  |
| COMPANY\_ID | INT | Company Id |  |
| COMPANY\_NAME | VARCHAR(20) | Company Name |  |
| QPAPER\_NAME | VARCHAR(50) | Question Paper Name |  |
| TOTAL\_MARK | INT | Total mark of Student |  |
| OBTAIN\_MARK | INT | Obtain mark of student |  |
| RESULT | INT | Result of the student |  |

**TEST CASE :**

* A test case is a document, which has a set of test data, preconditions, expected results and post conditions, developed for a particular test scenario in order to verify compliance against a specific requirement.
* Test Case acts as the starting point for the test execution, and after applying a set of input values, the application has a definitive outcome and leaves the system at some end point or also known as execution post condition.

|  |  |
| --- | --- |
| **Field Name** | **Value** |
| Test Case ID | SB\_001 |
| Created By | Binodini |
| Test Case Description | Test the Login Functionality |
| Reviewed By | Result |
| Version | 2.1 |
| QA Tester’s Log | Review comments from result in version 2.1 |
| Tester Name | Binodini |
| Date Tested | 30-08-2020 |
| Test Case (Pass/Fail/Not Executed) |  |

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| --- | --- |
| **S #** | **Prerequisites:** |
| 1 | Access to Chrome Browser |
| 2 |  |
| 3 |  |

|  |  |
| --- | --- |
| **S #** | **Test Data** |
| 1 | User\_ID= Binodini |
| 2 | PassWord = 12345 |
| 3 |  |

|  |  |
| --- | --- |
| **Test Scenario** | Verify on entering valid userid and password, the Student can login |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | **Expected Results** | **Actual Results** | **Pass / Fail / Not executed / Suspended** |
|
| 1 | Navigate to http://demo.guru99.com | Site should open | As Expected |  |
| 2 | Enter Userid & Password | Credential can be entered | As Expected |  |
| 3 | Click Submit | Student is logged in | As Expected |  |
| 4 |  |  |  |  |