

American International University-Bangladesh (AIUB)  
Department of Computer Science  
Faculty of Science &Technology (FST)  
Spring 22-23

Section: A  
Software Quality Assurance and Testing

Online Job Portal

A Report submitted

By

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Under the supervision of

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Faculty of

Computer Science

Software Test Plan

for

Online Job Portal

Version 9.0 approved

Prepared by

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Designation:

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Sign:

Date:

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# Revision History

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| --- | --- | --- | --- |
| Revision | Date | Updated by | Update Comments |
| 0.1 | 2023.03.22 | Dipta Sarkar Apon | First Draft |
| 0.2 | 2023.03.27 | Nebras Uddin Nesab | Second Draft |
| 0.3 | 2023.04.05 | Md Aminul Islam | Third Draft |
| 0.4 | 2023.04.15 | Asif Ahammed | Fourth Draft |

# TEST PLAN IDENTIFIER:BD-SQATOJP-01.9

# REFERENCES

* <https://asq.org/quality-resources/software-quality>
* <https://www.altexsoft.com/whitepapers/quality-assurance-quality-control-and-testing-the-basics-of-software-quality-management/>
* <https://www.google.com/amp/s/www.geeksforgeeks.org/types-software-testing/amp/>

# INTRODUCTION

## Background to the Problem

* Employment is an important part of the economic, social and environmental development process and procedure of any country. So many students are getting degrees on different sector. But majority of them don’t find proper job circular according to their requirement. For lower amount of vacancy most of the students don’t get called for interview. Only minority of them gets call from the HR. In Bangladesh there is little amount of job portal, where jobs circulars are posted. Most of the website aren’t well organized. Also most of the site are not maintained properly.
* On the other side most of the job portal in Bangladesh posts only Bangladeshi jobs. So the number of applicants are getting huge per jobs. To maintain this situation, companies who posted the job circular makes a short list before calling candidates for the interview. As a result, applicants have to prove their qualities.

## Solution to the Problem

* The proposed solution can be making a web-based portal which will contain the job circulars all over Bangladesh also different countries. This solution can solve the problem because by implementing it people can find directly job circular according to their requirements and they don’t need to depend on other sources. This is the easiest solution of all problems. This web-based portal has also some business objectives. For example, using Google AdSense earning is possible.
* Companies can find their applicant’s information more specifically. They are also able to maintain their circular posts. For emergency cases both parties can contact each other.
* This application provides the feature for posting job circulars of different countries. Applicants are able to find jobs from different countries by selecting the category and location.

# REQUEIREMNT SPECIFICATION

## System Features

1. System Login
   1. The system will allow users to login with their given email and password.

Priority Level: High  
Precondition: user have valid user email and password

1. System Registration as Employer
   1. User open an account by doing registration
   2. Provide Company Name, Company type, Email, Password & Confirm password.
   3. VerifyEmail, Password & Confirm password.
   4. Register and create the account.

Priority Level: High

Precondition: N/A

1. System Registration as Employee
   1. User open an account by doing registration
   2. Provide Name, Last name, Email, Password & Confirm password.
   3. VerifyEmail, Password & Confirm password.
   4. Register and create the account.

Priority Level: High

Precondition: N/A

1. Homepage overview
   1. Search job by selecting category.
   2. Show company list.
   3. Show latest job with job name, type, category, location & remaining time.

Priority Level: High

Precondition: N/A

1. Search Job list by selecting category
   1. Select job type
   2. Select job location.
   3. Search and find job related to selected category.

Priority Level: High

Precondition: N/A

1. View job details
   1. Show Job title, location, deadline, experience, posted date & job type.
   2. Company overview, job description, job responsibility, job requirements.
   3. Employee able to apply the job if he/she logged in & show related job according to the category.
   4. Show error message for multiple apply in the same job

Priority Level: High

Precondition: N/A

1. User profile page overview
   1. Show last login time, date with.
   2. Show user image.
   3. Show features as a sidebar.

Priority Level: High

Precondition: Login in the website

1. Update Employee profile details
   1. Updateable: First name, Last name, Date of birth, Email, phone no, Education, Gender, street zip code, country.
   2. User image, Details about user.
   3. Update to change data.

Priority Level: High

Precondition: Login as Employee

1. Update Employee password
   1. Provide new password.
   2. Retype new password.
   3. Update password if both are same.

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s Professional Qualification
   1. Add multiple qualification.
   2. Provide Country, Institute name, Time frame, Name of degree, Certificate.

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s Language Proficiency
   1. Add multiple language.
   2. Provide Language name.
   3. Select Speaking level (Fair, Good, Very good).
   4. Select Reading level (Fair, Good, Very good).
   5. Select Writing level (Fair, Good, Very good)

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s training & workshop
   1. Add multiple training.
   2. Provide Training name. Institution name, time frame.
   3. Attach Certificate(Optional)

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s Referee
   1. Add multiple referee.
   2. Provide name. email, title, phone, Institution name.

Priority Level: Medium

Precondition: Login as Employee

1. Adding Employee’s academic qualifications
   1. Add multiple qualifications.
   2. Provide Education level, Institute name, Course name, time frame.
   3. Select Country, attach certificate and transcript

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s working experience
   1. Add multiple experience.
   2. Provide Institution name, supervisor name, supervisor telephone, job title, starting & ending date, duties and responsibilities

Priority Level: High

Precondition: Login as Employee

1. Adding Employee’s other attachment
   1. Add multiple attachment.
   2. Provide attachment type, Issuer, attachment image

Priority Level: Medium

Precondition: Login as Employee

1. Show Employee’s applied jobs
   1. View applied jobs.
   2. View job title, location, company name, applied date, job type

Priority Level: High

Precondition: Login as Employee

1. User Logout
   1. Logout to redirect homepage.

Priority Level: High

Precondition: Login as Employee

1. Update Employer profile details
   1. Updateable: Company name, established in, type, website, select people, city/town, country, zip code, street, phone no. company background, services, expertise.
   2. Update company logo.
   3. Update to change data.

Priority Level: High

Precondition: Login as Employer

1. Company overview
   1. Show company name, logo, established year, type, website, background, services, expertise.
   2. Offered job from that company with job name, category, logo, type, location, required years of experience, deadline & details button

Priority Level: High

Precondition: Login as Employer

1. Post a job (Only employer can post)
   1. Provide job title, city, closing date, job description, job responsibilities, requirements.
   2. Select country, job category, job type, experience.

Priority Level: High

Precondition: Login as Employer

1. Posted job
   1. Posted job showing sequentially with company logo, title, category, type, location, city, deadline.
   2. Employer able to modify and delete the post.
   3. Also able to view the applicant, for that job, who applied to that job.

Priority Level: High

Precondition: Login as Employer

1. Contact us
   1. Show address, email, phone and some social link (Facebook, twitter, Instagram)
   2. Provide your name. email and message.
   3. Get in touch to reach administration.

Priority Level: High

Precondition: N/A

1. Employee profile overview
   1. Display image, name, birthday, degree & email.
   2. About employee
   3. Education, working experience, training and workshop, professional qualifications, other attachments, language proficiency & referees.

Priority Level: High

Precondition: Login as Employee

## System Quality Attributes

* **Performance**: Performance criteria specify how quickly or how successfully a system must carry out particular functionalities. throughput, capacity, and timeliness. It also discusses how a situation with too much traffic can affect the system's operation (when more users are trying to use it at a time).
* **Efficiency:** This characteristic specified how to use the system effectively. It deals with the hardware requirements for carrying out the various system operations. It consists of its processing power, storage capacity, and data transmission ability (Local server to Central Server).
* **Usability:** The ease of usage can be used to gauge this. The software should be simple to use. Usability refers to how simple it is for the system's initial user, a student, to utilize and obtain services. This is required while users will use it at danger time.
* **Integrity:** Integrity, this element has to do with the integrity of the other system, for example, how easily it can cope up in mobile phone as well as computer.
* **Reliability:** How the system is reliable while using it. Whether it remains all day in maintenance or is it can provide its service without crashing most of the time.
* **Testability:** If the system encounters a bug or error, it must be able to test for that bug or error.
* **Security:** It prevents unauthorized access of random people so that the system data cannot be at risk. Only registered users can use the data.

## System Interface

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## Project Requirements

An algorithmic software cost estimating methodology is the Constructive Cost Model (COCOMO). We will be using an organic software project type. It is a software project that must be worked on in a hardware-dependent environment.

**Constructive Cost Model**

We are assuming that the SLOC (Source Lines of Code) that we require here after analyzing all the components.

SLOC = 10,000

Now we need to figure out the effort, development time, and required number of people.

Suppose that, our software project type is organic, the values of the Coefficient<Effort Factor> =2.4

P = project complexity = 1.05

SLOC= 10,000

T= SLOC-dependent coefficient = 0.38

Now,

Effort = PM = Coefficient\*(SLOC/1000)^P

PM = 2.4\*(10000/1000)^1.05

= 26.93

Development Time= DM= 2.5\*(PM)^T

= 2.5\*(26.93)^0.38

= 8.74

= 9 [In months]

Required Number of People = ST

= PM/DM

= 26.93/8.74

= 3.08

= 3

**Budget Estimation**

Duration in weeks = 9\*4 = 36 weeks Office days

Per week working days = 5 days

Working hours = 7 Hours

So, per week working hours is = (5\*7) hours = 35 hours

So Total Working hours is = 35\*36= 1260 hours.

Developer salary is = 800 Taka/ Hour

Total developers Salary = (800\* 1260)

= 1008000 Taka

|  |  |  |
| --- | --- | --- |
| **Expanse** | **Amount** | **Total Amount** |
| Salary for 3 developers |  | 10,08,000 |
| For Requirement analysis  Cost for 1 months | 22\*8\*400 | 70,400 |
| Transport Cost |  | 10,000 |
| 9 months office rent | 9\*25000 | 2,25,000 |
| Hardware Expanse |  | 80,000 |
| 4 months maintenance cost | 16\*9\*1200 | 1,72,800 |
| Training Cost |  | 10,000 |
| Project Manager salary for 9 months | 25,000\*9 | 2,25,000 |
| Now Total Estimation Cost is |  | 18,00,400 |

**Profit**

20% of total estimation cost = 18,00,400 \*20%=3,60,080

Total budget for the project = 18,00,400+3,60,080

= 21,60,480

**The total budget for the project is 21,60,480 Taka.**

# FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed.

* Repeated CRUD operation for the reference, professional qualities, CV & more functionalities.
* Maintenance of the system
* Network facilities

# TESTING APPROACH

## Testing Levels

* **Unit Testing:** Unit testing will be performed initially as we construct our system. During this testing, we will examine each software module to determine whether or not it has errors. The software developers and QA team use this testing approach. The aim of this testing is to confirm that each piece of software code functions as planned. We will use the "White Box Testing" method in this phase.
* **Integration Testing:** We will next do the Integration in the second section. We will ensure that all the software components are logically connected, tested collectively, and are functional during this testing. Finding problems in how separate software modules interact when they are integrated is the aim of this level of testing. We'll use the "Bottom-up Integration" method in this phase.
* **System Testing:** After that, we'll test the system. We will test a fully integrated, full-featured system through system testing. Then, we'll make sure it complies with all the requirements. Testing that uses a black box falls under this category. Therefore, we will use the "Black Box Testing" method at this level.
* **Acceptance Testing:** Acceptance Testing is the final stage of our testing. We'll do this testing to see if our product is acceptable. This test will be carried out to see whether any flaws were overlooked during the functional testing stage. We will use the "Black Box Testing" methodology at this stage.

## Test Tools

For automated testing, we'll employ the Selenium Web Driver Tool. With the help of this instrument, we can find errors or flaws and make sure that the systems are reliable, responsive, progressive, or regular.

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## Meetings

One of the most crucial elements of developing a successful testing team is assigning the correct work to the appropriate person. Therefore, it is essential to have regular team meetings to build an efficient project. The test team will consequently convene once a week to assess each member's development and decide whether or not they have finished their assigned responsibilities and finding out if there are any problems with testing will be easier. If there is a small bug, the entire team will try to fix it and try to find a solution as quickly as possible. The development and project manager will meet with the testing team head every two weeks. An emergency meeting can be scheduled if one is necessary.

# TEST CASES/TEST ITEMS

* 1. Login

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.1 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: login session | | | Test Execution date: 12/03/2023 | | |
| Test Title: verify login with valid email and password | | |  | | |
| Description: Test login page | | |  | | |
| Precondition (If any): User must have valid email and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on login 3. Enter email 4. Enter password 5. Click Login | Email: xyz12  Password: 321 | User should login into the application | | As expected | Pass |
| Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database. | | | | | |

* 1. Registration as Employer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.2 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: Registration | | | Test Execution date: 12/03/2023 | | |
| Test Title: Validate registration of an account with company name, company type, email, password and confirm password | | |  | | |
| Description: Test the registration system | | |  | | |
| Precondition (If any): User must fill-up all the input field. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Click on register 3. Click on register as employer 4. Enter company name, company type 5. Enter email 6. Enter password 7. Enter confirm password 8. Click Register | Email: Xyz@gmail.com  Password: 12345678 | Account created successfully and go to the Login page | | Account created successfully but not go to the Login page stay in registration page. | Failed |
| Post Condition: User information added in the database section | | | | | |

* 1. Registration as Employee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.3 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Md Aminul Islam | | |
| Module Name: Registration | | | Test Execution date: 12/03/2023 | | |
| Test Title: Validate registration of an account with first name, last name, email, password and confirm password | | |  | | |
| Description: Test the registration system | | |  | | |
| Precondition (If any): User must fill-up all the input field. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the website 2. Click on register 3. Click on register as employee 4. Enter first name, last name 5. Enter email 6. Enter password 7. Enter confirm password 8. Click Register | Email: abc@gmail.com  Password: 12345678 | Account created successfully and go to the Login page | | Account created successfully but not go to the Login page stay in registration page. | Failed |
| Post Condition: User information added in the database section | | | | | |

* 1. Homepage

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.4 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Homepage Overview | | | Test Execution date: 12/03/2023 | | |
| Test Title: Homepage Overview | | |  | | |
| Description: Test the website Homepage | | |  | | |
| Precondition (If any): Go to the Website | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. |  | Search job by selecting category, show company list, show latest job with job name, type, category, location & remaining time. | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Search Job list

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.5 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Search Job list | | | Test Execution date: 12/03/2023 | | |
| Test Title: Search Job list | | |  | | |
| Description: Test the website search Job list page | | |  | | |
| Precondition (If any): N/A | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. 2. Click on job list. 3. Select job type 4. Select job location. 5. Click Search |  | Show job related to selected category and location | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. View job details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Asif Ahammed | | |
| Test Case ID: T.4.1.6 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Md Aminul Islam | | |
| Module Name: View job details | | | Test Execution date: 12/03/2023 | | |
| Test Title: View job details | | |  | | |
| Description: Test the website view job details page | | |  | | |
| Precondition (If any): N/A | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. 2. Click on job list. 3. Click on View This Job. |  | Show job title, location, posted date, deadline, experience, & job type, company overview, job description, job responsibility, requirements.  Employee able to apply the job if he/she logged in & show related job according to the company.  Show error message for multiple apply in the same job | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. User profile Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.7 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: User profile Overview | | | Test Execution date: 13/03/2023 | | |
| Test Title: User profile Overview | | |  | | |
| Description: Test the website User profile page. | | |  | | |
| Precondition (If any): Login in the website with valid email and password | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. 2. Click on Login 3. Enter email & password to login 4. Click on profile. |  | Show last login time & date, features as a sidebar and user image. | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Update Employee profile details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.8 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Update Employee profile | | | Test Execution date: 13/03/2023 | | |
| Test Title: Update Employee profile | | |  | | |
| Description: Test the website Update Employee profile page | | |  | | |
| Precondition (If any): Login as Employee. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Enter Details 6. Click Update | City: Dhaka  Phone: 012345678  Zip Code:3900 | Show a message your profile have been updated successfully | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully changed Employee information. | | | | | |

* 1. Update Employee password

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.9 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Update Employee password | | | Test Execution date: 13/03/2023 | | |
| Test Title: Update Employee password | | |  | | |
| Description: Test the website Update Employee password page | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on change password 6. Enter new password 7. Enter confirm password 8. Click Update | New password: 012345678  confirm password: 012345678 | Show a message password updated successfully | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully changed employee password. | | | | | |

* 1. Add Professional Qualifications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Asif Ahammed | | |
| Test Case ID: T.4.1.10 | | | Test Designed date: 10/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Md Aminul Islam | | |
| Module Name: Add Professional Qualifications | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Professional Qualifications | | |  | | |
| Description: Test the website Add Professional Qualifications page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on professional qualifications 6. Click Add New 7. Enter Details 8. Click Submit | Country: India  Institution Name: AIUB  Course Title: CSE  Time Frame: 2018-2022 | Show a message Professional qualification was added successfully | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add professional qualifications. | | | | | |

* 1. Add Language Proficiency

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.11 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: Add Language Proficiency | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Language Proficiency | | |  | | |
| Description: Test the website Add Language Proficiency page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Language Proficiency 6. Click Add new 7. Enter Details 8. Click Submit | Language: English  Speak: Good  Read: Very Good  Write: Fair | Show a message Language have been added | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add language proficiency. | | | | | |

* 1. Add Training & Workshop

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.12 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Add Training & Workshop | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Training & Workshop | | |  | | |
| Description: Test the website Add Training & Workshop page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Training & Workshop 6. Click Add new 7. Enter Details 8. Click Submit | Training Name: Advanced Database  Institution Name: AIUB  Time Frame: 2018-2022 | Show a message Training or workshop have been added successfully | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add training & workshop. | | | | | |

* 1. Add Referee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.13 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Add Referee | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Referee | | |  | | |
| Description: Test the website Add Referee page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Referees 6. Click Add new 7. Enter Details 8. Click Submit | Referee Name: Hasan Islam  Referee Email: [abc@gmail.com](mailto:abc@gmail.com)  Referee Title: xyz  Referee Phone: 01234456987  Institution Name: AIUB | Show a message Referee was added successfully. | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add referee. | | | | | |

* 1. Add Academic Qualifications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.14 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Md Aminul Islam | | |
| Module Name: Add Academic Qualifications | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Academic Qualifications | | |  | | |
| Description: Test the website Add Academic Qualifications page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Academic Qualifications 6. Click Add new 7. Enter Details 8. Click Submit | Education Level: Degree  Country: Bangladesh  Institution Name: AIUB  Time Frame: 2018-2022 | Show a message Academic qualification have been added successfully | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add academic qualification. | | | | | |

* 1. Add Working Experience

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Asif Ahammed | | |
| Test Case ID: T.4.1.15 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Add Working Experience | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Working Experience | | |  | | |
| Description: Test the website Add Working Experience page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Working Experience 6. Click Add new 7. Enter Details 8. Click Submit | Supervisor Name: ABC  Supervisor phone: 01845632147  Job Title: IT Intern  Start Date: 1 June 2020  End Date: 2 July 2022  Institution Name: AIUB | Show a message Working Experience have been added. | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add working experience. | | | | | |

* 1. Add Other Attachment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.16 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Asif Ahammed | | |
| Module Name: Add Other Attachment | | | Test Execution date: 13/03/2023 | | |
| Test Title: Add Other Attachment | | |  | | |
| Description: Test the website Add Other Attachment page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click on Other Attachment 6. Click Add new 7. Enter Details 8. Click Submit | Attachment Type: birth certificate  Issuer: abc | Show a message Attachment was added successfully. | | As expected, | Pass |
| Post Condition: Employee is validated with database and successfully add other attachment. | | | | | |

* 1. Show Employee’s applied jobs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Asif Ahammed | | |
| Test Case ID: T.4.1.17 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Md Aminul Islam | | |
| Module Name: Show Employee’s applied jobs | | | Test Execution date: 13/03/2023 | | |
| Test Title: Show Employee’s applied jobs | | |  | | |
| Description: Test the website applied jobs page | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. 2. Click on Login 3. Enter email & password to login 4. Click on profile. 5. Click on Applied jobs. |  | Show all the applied jobs with job title, company name, location, applied date and job type. | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Logout

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.18 | | | Test Designed date: 11/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Logout | | | Test Execution date: 14/03/2023 | | |
| Test Title: verify user logout option | | |  | | |
| Description: Test the website logout option | | |  | | |
| Precondition (If any): Need to be logged in | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Login in to the site 3. Click on logout |  | Successfully log out | | As expected, | Pass |
| Post Condition: User has successfully Log out from account. | | | | | |

* 1. Update Employer profile details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.19 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: Update Employer profile | | | Test Execution date: 14/03/2023 | | |
| Test Title: Update Employer profile | | |  | | |
| Description: Test the website Update Employer profile page | | |  | | |
| Precondition (If any): Login as Employer | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Enter Details 6. Click Update | City: Dhaka  Country: Canada  Phone: 012345678  Zip Code:3900  Established In: 2018 | Show a message Your profile have been updated successfully | | As expected, | Pass |
| Post Condition: Employer is validated with database and successfully changed Employer information. | | | | | |

* 1. Company overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.20 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Nebras Uddin Nesab | | |
| Module Name: Company overview | | | Test Execution date: 14/03/2023 | | |
| Test Title: Company overview | | |  | | |
| Description: Test the website Company overview page | | |  | | |
| Precondition (If any): Login as Employer | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click Company overview |  | Show company name, logo, established year, type, expertise, background, services, website.  Offered job from that company with job name, category, logo, type, location, required years of experience, deadline and details button | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Post Job

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Nebras Uddin Nesab | | |
| Test Case ID: T.4.1.21 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Post Job | | | Test Execution date: 14/03/2023 | | |
| Test Title: Post Job | | |  | | |
| Description: Test the website Post Job page | | |  | | |
| Precondition (If any): Login as Employer | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click Post a Job 6. Enter all details 7. Click Post Your Job | Job Title: It Manager  City: Kolkata  Country: India  Job category: It & Telecoms  Closing date: 22/12/2022  Job type: Full-time  Experience: 2years  Description: No  Responsibilities: No  Requirements: No | Show a message Your job advertise have been posted successfully. | | As expected, | Pass |
| Post Condition: Employer is validated with database and successfully post a job. | | | | | |

* 1. Posted Job

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Dipta Sarkar Apon | | |
| Test Case ID: T.4.1.22 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Asif Ahammed | | |
| Module Name: Posted Job | | | Test Execution date: 14/03/2023 | | |
| Test Title: Posted Job | | |  | | |
| Description: Test the website Posted Job page | | |  | | |
| Precondition (If any): Login as Employer | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on Login 3. Enter email & password to login 4. Click on profile 5. Click Posted Jobs |  | Showing all the jobs sequentially with company logo, title, category, type, location, city, deadline, edit button, delete button and applicant button. | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Contact us

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Asif Ahammed | | |
| Test Case ID: T.4.1.23 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Contact us | | | Test Execution date: 14/03/2023 | | |
| Test Title: Contact us | | |  | | |
| Description: Test the website Contact us page. | | |  | | |
| Precondition (If any): N/A | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage 2. Click on contact us |  | Show address, email, phone and some social link (Facebook, twitter, Instagram), your name. email and message, get in touch to reach administration | | As expected, | Pass |
| Post Condition: N/A | | | | | |

* 1. Employee profile overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Name: Job Portal | | | Test Designed by: Md Aminul Islam | | |
| Test Case ID: T.4.1.24 | | | Test Designed date: 12/03/2023 | | |
| Test Priority (Low, Medium, High): high | | | Test Executed by: Dipta Sarkar Apon | | |
| Module Name: Employee profile overview | | | Test Execution date: 14/03/2023 | | |
| Test Title: Employee profile overview | | |  | | |
| Description: Test the website Employee profile page. | | |  | | |
| Precondition (If any): Login as Employee | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the homepage. 2. Click on Login 3. Enter email & password to login 4. Click on profile. |  | Display image, name, birthday, degree & email.  Education, working experience, training and workshop, professional qualifications, other attachments, language proficiency & referees. | | As expected, | Pass |
| Post Condition: N/A | | | | | |

# ITEM PASS/FAIL CRITERIA

Testing team will be a group of -

* Unit Test Manager
* Test Analyst
* Project Sponsor
* Developer

The team will be doing the following tasks-

* There will be error free codes and in time compilation
* The test will pass only if there is 100% passing rate.
* If any error found or passing rate remains below 100% it will be resolved in time.
* All the possible tests will be documented

Here we have implemented 6 test cases. 80% of the test cases were passed successfully when we applied the test case and 20% were fail. Because of some query related issues on the database, the test cases were failed. When the test case was applied after solving query related problem, all the test cases are successfully passed.

# TEST DELIVERABLES

* **Acceptance test plan**

The user acceptability tests all turned out to be successful. The user interface was easy to use but still efficient. The UAT thus went off without a hitch.

* **System/Integration test plan**

Every aspect of system integration was done successfully. As a result, the database was operating correctly and all of its features were responsive.

* **Unit test plans/turnover documentation**

The unit testing was done and all were working without any bug.

* **Screen prototypes**

Total nine prototypes were made and the last system (9th) one was the one we used in this project as this was the final latest modification.

* + **Report mock-ups**

There were no mock-ups created for the report we are currently reviewing because it is the project report.

* + **Defect/Incident reports and summaries**

It functions well in circumstances where the project requirements are not fully understood. The process is iterative and based on trial and error between the client and developer.

* **Test logs and turnover reports**

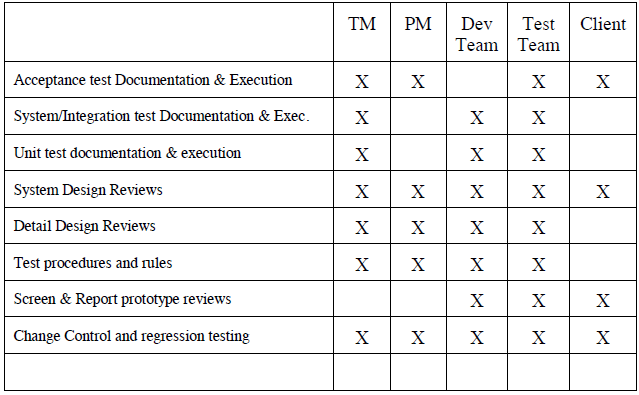
All of module 7's test logs were displayed. All test logs and a turnover report are displayed in the aforementioned section. All of the tests were completed correctly, and none revealed any major problems.

# STAFFING AND TRAINING NEEDS

For the project's system/integration and acceptance testing phases, it is desirable that at least one (1) full-time tester be allocated to the task. In order to participate in evaluations, meetings, etc., a person will need to be assigned part-time at the start of the project. After around six months, they will be assigned full-time. The project manager/test manager will take on this responsibility if a separate test person is not readily accessible. A full-time professional communicator should be required. sufficient numbers of operation staff should be needed. The following training needs to be handled in order for this project to be effective.

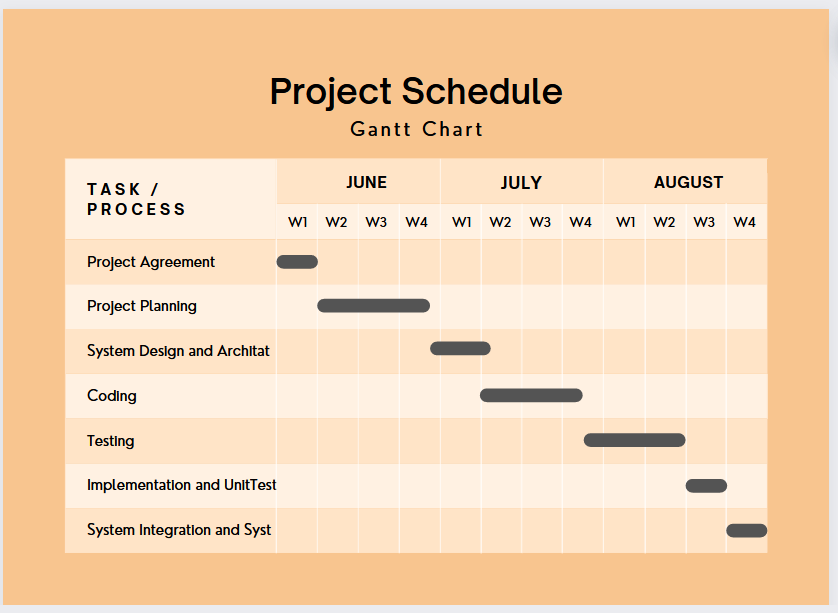
* The operation employees will need to receive communication and language training from a professional communicator.
* Instruction on the fundamental functions of the EDI interface will be required for the developers and testers for the project's final acceptance.

# RESPONSIBILITIES



# TESTING SCHEDULE

**Gantt Chart for Following Schedule:**



# PLANNING RISKS AND CONTINGENCIES

* Limited Reassigned operational staff. As a result of this staff shortage, there may be delays in getting staff to review appropriate documents and participate in the Acceptance test process. Any defect may occur in the system, which can delay the whole process. Network issues for the client will be one of the most significant issues. This app can be misused.

# APROVALS

|  |  |
| --- | --- |
| Project Sponsor | PASS |
| Development Management | PASS |
| EDI Project Manager | PASS |
| RS Test Manager | PASS |
| RS Development Team Manager | PASS |
| Reassigned Sales | PASS |
| Order Entry EDI Test manager | PASS |