



American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Summer 21 22

Section: C

Software Quality Assurance and Testing

Online Job Portal

A Report submitted
By

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Faculty of
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Software Test Plan

for

< Online Job Portal >

Version 9.0 approved

Prepared by

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<21/08/2022>

Checked By Industry Personnel

Name:

Designation:

Company:

Sign:

Date:

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Revision History

Revision	Date	Updated by	Update Comments
0.1	2022.08.15	MD. Shahriar Islam Shaikat	First Draft
0.2	2022.08.17	Utshab Das	Second Draft
0.3	2022.08.19	Niloy Roy	Third Draft
0.4	2022.08.20	Shovon Roy	Fourth Draft

1. TEST PLAN IDENTIFIER:BD-SQATOJP-01.9

2. 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/>

3. 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.

4. REQUIREMENT SPECIFICATION

4.1 System Features

1. System Login

- 1.1. The system will allow users to login with their given email and password.

Priority Level: High

Precondition: user have valid user email and password

2. System Registration as Employer

- 2.1. User open an account by doing registration
- 2.2. Provide Company Name, Company type, Email, Password & Confirm password.
- 2.3. Verify Email, Password & Confirm password.
- 2.4. Register and create the account.

Priority Level: High

Precondition: N/A

3. System Registration as Employee

- 3.1. User open an account by doing registration
- 3.2. Provide Name, Last name, Email, Password & Confirm password.
- 3.3. Verify Email, Password & Confirm password.
- 3.4. Register and create the account.

Priority Level: High

Precondition: N/A

4. Homepage overview

- 4.1. Search job by selecting category.

- 4.2. Show company list.
- 4.3. Show latest job with job name, type, category, location & remaining time.

Priority Level: High

Precondition: N/A

- 5. Search Job list by selecting category
 - 5.1. Select job type
 - 5.2. Select job location.
 - 5.3. Search and find job related to selected category.

Priority Level: High

Precondition: N/A

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

Priority Level: High

Precondition: N/A

- 7. User profile page overview
 - 7.1. Show last login time, date with.
 - 7.2. Show user image.
 - 7.3. Show features as a sidebar.

Priority Level: High

Precondition: Login in the website

- 8. Update Employee profile details
 - 8.1. Updateable: First name, Last name, Date of birth, Email, phone no, Education, Gender, street zip code, country.
 - 8.2. User image, Details about user.
 - 8.3. Update to change data.

Priority Level: High

Precondition: Login as Employee

9. Update Employee password
 - 9.1. Provide new password.
 - 9.2. Retype new password.
 - 9.3. Update password if both are same.

Priority Level: High

Precondition: Login as Employee

10. Adding Employee's Professional Qualification
 - 10.1. Add multiple qualification.
 - 10.2. Provide Country, Institute name, Time frame, Name of degree, Certificate.

Priority Level: High

Precondition: Login as Employee

11. Adding Employee's Language Proficiency
 - 11.1. Add multiple language.
 - 11.2. Provide Language name.
 - 11.3. Select Speaking level (Fair, Good, Very good).
 - 11.4. Select Reading level (Fair, Good, Very good).
 - 11.5. Select Writing level (Fair, Good, Very good)

Priority Level: High

Precondition: Login as Employee

12. Adding Employee's training & workshop
 - 12.1. Add multiple training.
 - 12.2. Provide Training name. Institution name, time frame.
 - 12.3. Attach Certificate(Optional)

Priority Level: High

Precondition: Login as Employee

13. Adding Employee's Referee
 - 13.1. Add multiple referee.
 - 13.2. Provide name. email, title, phone, Institution name.

Priority Level: Medium

Precondition: Login as Employee

14. Adding Employee's academic qualifications

- 14.1. Add multiple qualifications.
- 14.2. Provide Education level, Institute name, Course name, time frame.
- 14.3. Select Country, attach certificate and transcript

Priority Level: High

Precondition: Login as Employee

15. Adding Employee's working experience

- 15.1. Add multiple experience.
- 15.2. Provide Institution name, supervisor name, supervisor telephone, job title, starting & ending date, duties and responsibilities

Priority Level: High

Precondition: Login as Employee

16. Adding Employee's other attachment

- 16.1. Add multiple attachment.
- 16.2. Provide attachment type, Issuer, attachment image

Priority Level: Medium

Precondition: Login as Employee

17. Show Employee's applied jobs

- 17.1. View applied jobs.
- 17.2. View job title, location, company name, applied date, job type

Priority Level: High

Precondition: Login as Employee

18. User Logout

- 18.1. Logout to redirect homepage.

Priority Level: High

Precondition: Login as Employee

19. Update Employer profile details

- 19.1. Updateable: Company name, established in, type, website, select people, city/town, country, zip code, street, phone no. company background, services, expertise.
- 19.2. Update company logo.
- 19.3. Update to change data.

Priority Level: High

Precondition: Login as Employer

20. Company overview

- 20.1. Show company name, logo, established year, type, website, background, services, expertise.
- 20.2. 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

21. Post a job (Only employer can post)

- 21.1. Provide job title, city, closing date, job description, job responsibilities, requirements.
- 21.2. Select country, job category, job type, experience.

Priority Level: High

Precondition: Login as Employer

22. Posted job

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

Priority Level: High

Precondition: Login as Employer

23. Contact us

- 23.1. Show address, email, phone and some social link (Facebook, twitter, Instagram)
- 23.2. Provide your name. email and message.
- 23.3. Get in touch to reach administration.

Priority Level: High

Precondition: N/A

24. Employee profile overview

- 24.1. Display image, name, birthday, degree & email.

24.2. About employee

24.3. Education, working experience, training and workshop, professional qualifications, other attachments, language proficiency & referees.

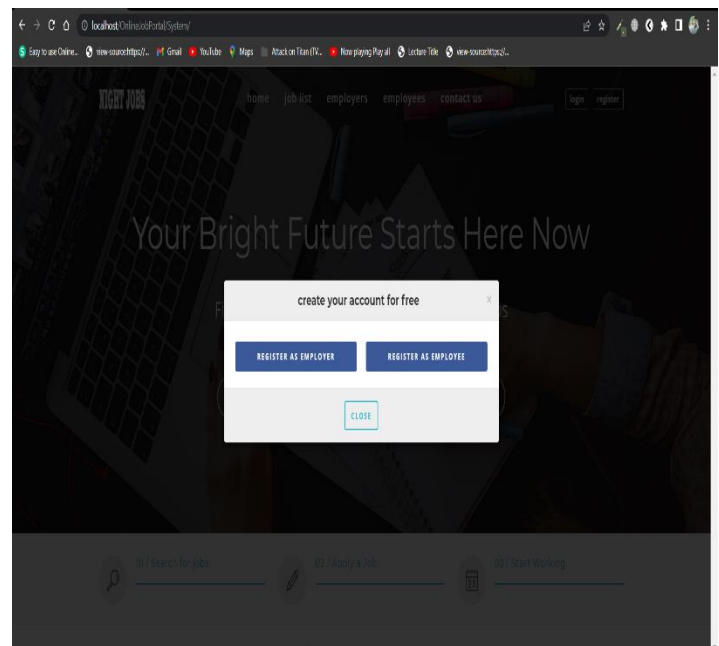
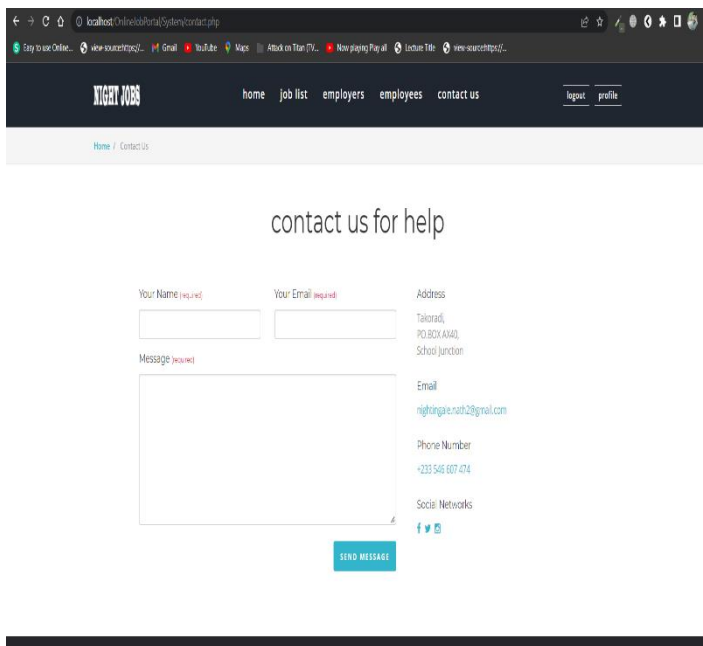
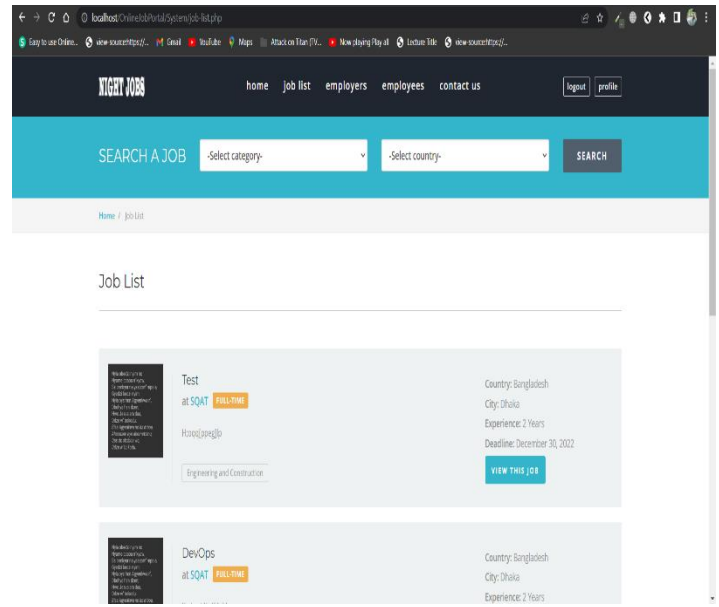
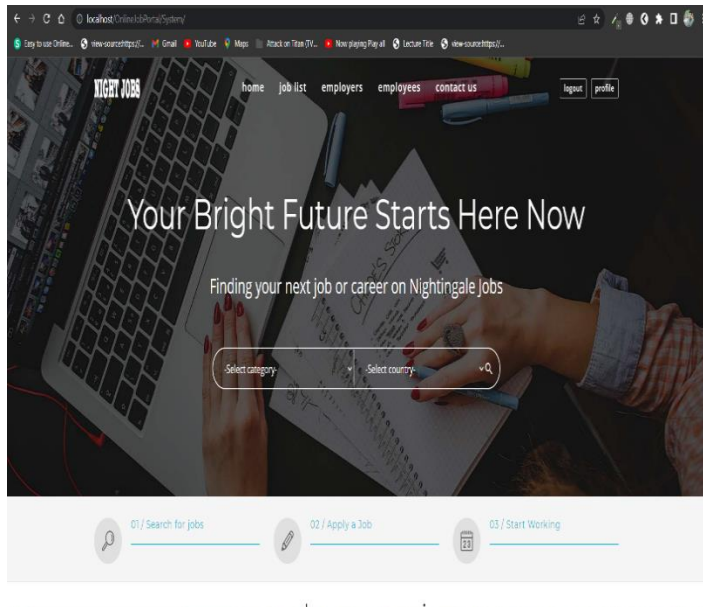
Priority Level: High

Precondition: Login as Employee

4.2 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.

4.3 System Interface



profile

Your last logged-in: 20-08-2022 05:08 PM [EAT +03:00]

Company Name: SQAT

Established In: 2021 | Type: Software Company

People: 11-100 | Website: Enter your website

City/Town: Dhaka | Street: Kuratoli

Zip Code: 12345 | Country: Bangladesh

Phone Number: | Email Address:

post a job

Job Title: Enter job title

City: Enter city | Country: Bangladesh

Job Category: Accounting | Closing Date: Eg. 30/12/2018

Job Type: Select | Experience: Select

Job Description: Enter description...

profile

Your last logged-in: 20-08-2022 05:08 PM [EAT +03:00]

First Name: Shovon | Last Name: Roy

Born: 01/01/2022 | Email: shovon@gmail.com

Education Level: BSc In CSE | Spa Engineer

Gender: Male | City/Town: Dhaka

Street: Panthapath, Gasipur | Zip Code: 1706

Country: | Phone Number:

applied jobs

Job Title	Location	Status	Date
Test SQAT	Bangladesh	FULL-TIME	August 18, 2022
DevOps SQAT	Bangladesh	FULL-TIME	August 18, 2022

4.4 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.

$$\text{SLOC} = 10,000$$

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

$$P = \text{project complexity} = 1.05$$

$$\text{SLOC} = 10,000$$

$$T = \text{SLOC-dependent coefficient} = 0.38$$

Now,

$$\text{Effort} = \text{PM} = \text{Coefficient} * (\text{SLOC}/1000)^P$$

$$\text{PM} = 2.4 * (10000/1000)^{1.05}$$

$$= 26.93$$

$$\text{Development Time} = \text{DM} = 2.5 * (\text{PM})^T$$

$$= 2.5 * (26.93)^{0.38}$$

$$= 8.74$$

$$= 9 \text{ [In months]}$$

$$\text{Required Number of People} = \text{ST}$$

$$= \text{PM}/\text{DM}$$

$$= 26.93/8.74$$

$$= 3.08$$

$$= 3$$

Budget Estimation

Duration in weeks = $9 \times 4 = 36$ 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 = $35 \times 36 = 1260$ hours.

Developer salary is = 800 Taka/ Hour

Total developers Salary = (800×1260)

= 1008000 Taka

Expense	Amount	Total Amount
Salary for 3 developers		10,08,000
For Requirement analysis	$22 \times 8 \times 400$	70,400
Cost for 1 months		
Transport Cost		10,000
9 months office rent	9×25000	2,25,000
Hardware Expanse		80,000
4 months maintenance cost	$16 \times 9 \times 1200$	1,72,800
Training Cost		10,000
Project Manager salary for 9 months	$25,000 \times 9$	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.

5. 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

6. TESTING APPROACH

6.1 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.

6.2 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.

The screenshot displays the PyCharm IDE interface. The top menu bar includes File, Edit, Selection View, Go, Run, Terminal, and Help. The top toolbar shows icons for running and debugging. The left sidebar contains a file explorer with a tree view showing the project structure. The main editor window displays the code for `addQualification.py`. The code is a Python script that uses Selenium WebDriver to interact with a web browser. It includes imports for `time`, `selenium.webdriver`, `selenium.webdriver.common.by`, and `selenium.webdriver.support.select`. The script sets up a WebDriver instance for Chrome, maximizes the window, and performs a series of clicks on various web elements to add a new qualification. The elements are identified by their XPath or CSS selectors. The script ends with a `time.sleep(2)` call.

```

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path='C:\\browserDrivers\\chromedriver.exe')
7 driver.maximize_window()
8 driver.get("http://localhost:8081/onlinebbportal/System")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikr@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(1)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//html[1]/body[1]/div[1]/header[1]/nav[1]/div[1]/div[3]/a[1]/li[2]/a[1]").click()
20 time.sleep(2)
21 driver.find_element(By.XPATH, "//html[1]/body[1]/div[1]/div[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/a[1]/li[1]/a[1]").click()
22 driver.find_element(By.XPATH, "//a[normalize-space()='Add new']").click()
23 driver.find_element(By.XPATH, "//input[@placeholder='Enter institution name']").send_keys('AIEB')
24 driver.find_element(By.XPATH, "//input[@placeholder='Enter course name']").send_keys('SC')
25 driver.find_element(By.XPATH, "//input[@placeholder='eg: 2015 to 2016']").send_keys('2015 - 2022')
26 driver.find_element(By.XPATH, "//button[normalize-space()='Submit']").click()
27

```

The screenshot shows the Visual Studio Code interface with a Python file named `applyforJob.py`. The code uses Selenium WebDriver to interact with a web browser. It starts by importing time and setting up the driver with Chrome. Then it navigates to a URL, logs in, and applies for a job.

```

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path='C:\chromedriver\chromedriver.exe')
7 driver.maximize_window()
8 driver.get("http://localhost:OnlineJobPortal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, "email").clear()
13 driver.find_element(By.NAME, "email").send_keys('shaikha@gmail.com')
14 driver.find_element(By.NAME, "password").clear()
15 driver.find_element(By.NAME, "password").send_keys('12345678')
16 time.sleep(1)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//a[id='responsive-menu']/a[normalize-space()='job list']").click()
20 time.sleep(2)
21 driver.find_element(By.XPATH, "//tbody/tr[4]/td[1]/td[2]/td[4]/td[1]/td[4]/td[1]/td[4]/td[2]/td[2]/td[4]/td[1]/td[4]/td")
22 driver.find_element(By.XPATH, "//button[normalize-space()='Apply this job']").click()

```



```
loginCheck.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(2)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
```

```
logout.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(2)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//a[normalize-space()='logout']").click()
20 time.sleep(2)
```

```
postJob.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(2)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.NAME, 'title').send_keys('Accounts Officer')
20 driver.find_element(By.NAME, 'city').send_keys('Shikha')
21 driver.find_element(By.NAME, 'location').send_keys('Bangladesh')
22 driver.find_element(By.NAME, "//span[@class='filter-option pull-left'][normalize-space()='Bangladesh']").click()
23 driver.find_element(By.XPATH, "//span[@class='filter-option pull-left'][normalize-space()='IT and Telecoms']").click()
24 selectType = driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
25 selectType.click()
26 driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
27 driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
28 driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
29 driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
30 driver.find_element(By.XPATH, "//div[contains(@class, 'dropdown-backdrop')]").click()
```

```
regCheck.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[data-toggle='modal']").click()
11 time.sleep(2)
12 driver.find_element(By.XPATH, "//a[normalize-space()='Register as Employee']").click()
13 time.sleep(1)
14 driver.find_element(By.NAME, 'fname').send_keys('Shaikat')
15 driver.find_element(By.NAME, 'lname').send_keys('Saha')
16 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
17 driver.find_element(By.NAME, 'password').send_keys('12345678')
18 driver.find_element(By.NAME, 'confirmpassword').send_keys('12345678')
19 time.sleep(2)
20 driver.find_element(By.NAME, 'reg_mode').click()
```

```
seeAppliedJobs.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(2)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
20 time.sleep(2)
21 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
22 time.sleep(2)
```

```
seeEmployees.py - SQZ - Visual Studio Code

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browsers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/onlinejobportal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, 'email').clear()
13 driver.find_element(By.NAME, 'email').send_keys('shaikat@gmail.com')
14 driver.find_element(By.NAME, 'password').clear()
15 driver.find_element(By.NAME, 'password').send_keys('12345678')
16 time.sleep(2)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
20 time.sleep(2)
21 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
22 time.sleep(2)
```

```

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browserdrivers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/OnlineJobPortal/System/")
9 time.sleep(1)
10 driver.find_element(By.XPATH, "//html[1]/body[1]/div[2]/header[1]/nav[1]/div[1]/div[2]/ul[1]/li[2]/a[1]").click()
11 time.sleep(1)
12 category = driver.find_element(By.NAME, "category")
13 categoryType = Select(category)
14 categoryType.select_by_index(8)
15 country = driver.find_element(By.NAME, "country")
16 countryType = Select(country)
17 countryType.select_by_index(18)
18 time.sleep(1)
19 driver.find_element(By.NAME, "search").click()

```

```

1 import time
2 from selenium import webdriver
3 from selenium.webdriver.common.by import By
4 from selenium.webdriver.support.select import Select
5
6 driver = webdriver.Chrome(executable_path="c:\\browserdrivers\\chromedriver.exe")
7 driver.maximize_window()
8 driver.get("http://localhost/OnlineJobPortal/System/")
9 time.sleep(2)
10 driver.find_element(By.XPATH, "//a[normalize-space()='login']").click()
11 time.sleep(2)
12 driver.find_element(By.NAME, "email").clear()
13 driver.find_element(By.NAME, "email").send_keys('admin@gmail.com')
14 driver.find_element(By.NAME, "password").clear()
15 driver.find_element(By.NAME, "password").send_keys('12345678')
16 time.sleep(1)
17 driver.find_element(By.XPATH, "//button[normalize-space()='login']").click()
18 time.sleep(2)
19 driver.find_element(By.XPATH, "//html[1]/body[1]/div[1]/header[1]/nav[1]/div[1]/div[2]/ul[1]/li[4]/a[1]").click()
20 time.sleep(2)
21 driver.find_element(By.XPATH, "//h5[normalize-space()='SQL']").click()
22

```

6.3 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.

7. TEST CASES/TEST ITEMS

1. Login

Project Name: Job Portal	Test Designed by: Shahriar I. Shaikat
Test Case ID: T.4.1.1	Test Designed date: 10/08/2022
Test Priority (Low, Medium, High): high	Test Executed by: Niloy Roy
Module Name: login session	Test Execution date: 12/08/2022
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.				

2. Registration as Employer

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.2		Test Designed date: 10/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: Registration		Test Execution date: 12/08/2022		
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
--

3. Registration as Employee

Project Name: Job Portal			Test Designed by: Shahriar I. Shaikat	
Test Case ID: T.4.1.3			Test Designed date: 10/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Niloy Roy	
Module Name: Registration			Test Execution date: 12/08/2022	
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				

4. Homepage

Project Name: Job Portal	Test Designed by: Shahriar I. Shaikat
Test Case ID: T.4.1.4	Test Designed date: 10/08/2022
Test Priority (Low, Medium, High): high	Test Executed by: Niloy Roy
Module Name: Homepage Overview	Test Execution date: 12/08/2022

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				

5. Search Job list

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.5		Test Designed date: 10/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: Search Job list		Test Execution date: 12/08/2022		
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				

6. View job details

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.6		Test Designed date: 10/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: View job details		Test Execution date: 12/08/2022		
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				

7. User profile Overview

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.7		Test Designed date: 10/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: User profile Overview		Test Execution date: 13/08/2022		
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				

8. Update Employee profile details

Project Name: Job Portal			Test Designed by: Shahriar I. Shaikat	
Test Case ID: T.4.1.8			Test Designed date: 10/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Niloy Roy	
Module Name: Update Employee profile			Test Execution date: 13/08/2022	
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)
2. Go to the homepage 3. Click on Login 4. Enter email & password to login 5. Click on profile 6. Enter Details 7. 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.

9. Update Employee password

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.9		Test Designed date: 10/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: Update Employee password		Test Execution date: 13/08/2022		
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.				

10. Add Professional Qualifications

Project Name: Job Portal	Test Designed by: Shahriar I. Shaikat
Test Case ID: T.4.1.10	Test Designed date: 10/08/2022
Test Priority (Low, Medium, High): high	Test Executed by: Niloy Roy

Module Name: Add Professional Qualifications		Test Execution date: 13/08/2022		
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.				

11. Add Language Proficiency

Project Name: Job Portal			Test Designed by: Shahriar I. Shaikat	
Test Case ID: T.4.1.11			Test Designed date: 11/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Niloy Roy	
Module Name: Add Language Proficiency			Test Execution date: 13/08/2022	
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.				

12. Add Training & Workshop

Project Name: Job Portal		Test Designed by: Shahriar I. Shaikat		
Test Case ID: T.4.1.12		Test Designed date: 11/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Niloy Roy		
Module Name: Add Training & Workshop		Test Execution date: 13/08/2022		
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.				

13. Add Referee

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.13		Test Designed date: 11/08/2022		
Test Priority (Low, Medium, High): Medium		Test Executed by: Shovon Roy		
Module Name: Add Referee		Test Execution date: 13/08/2022		
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 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.				

14. Add Academic Qualifications

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.14		Test Designed date: 11/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Shovon Roy		
Module Name: Add Academic Qualifications		Test Execution date: 13/08/2022		

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.					

15. Add Working Experience

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.15			Test Designed date: 11/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Add Working Experience			Test Execution date: 13/08/2022	
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.				

16. Add Other Attachment

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.16		Test Designed date: 11/08/2022		
Test Priority (Low, Medium, High): Medium		Test Executed by: Shovon Roy		
Module Name: Add Other Attachment		Test Execution date: 13/08/2022		
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)

<ol style="list-style-type: none"> 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.				

17. Show Employee's applied jobs

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.17			Test Designed date: 11/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Show Employee’s applied jobs			Test Execution date: 13/08/2022	
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

18. Logout

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.18		Test Designed date: 11/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Shovon Roy		
Module Name: Logout		Test Execution date: 14/08/2022		
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.				

19. Update Employer profile details

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.19		Test Designed date: 12/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Shovon Roy		
Module Name: Update Employer profile		Test Execution date: 14/08/2022		
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.				

20. Company overview

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.20			Test Designed date: 12/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Company overview			Test Execution date: 14/08/2022	
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				

21. Post Job

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.21			Test Designed date: 12/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Post Job			Test Execution date: 14/08/2022	
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.				

22. Posted Job

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.22			Test Designed date: 12/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Posted Job			Test Execution date: 14/08/2022	
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				

23. Contact us

Project Name: Job Portal			Test Designed by: Utshab Das	
Test Case ID: T.4.1.23			Test Designed date: 12/08/2022	
Test Priority (Low, Medium, High): high			Test Executed by: Shovon Roy	
Module Name: Contact us			Test Execution date: 14/08/2022	
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				

24. Employee profile overview

Project Name: Job Portal		Test Designed by: Utshab Das		
Test Case ID: T.4.1.24		Test Designed date: 12/08/2022		
Test Priority (Low, Medium, High): high		Test Executed by: Shovon Roy		
Module Name: Employee profile overview		Test Execution date: 14/08/2022		
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				

8. 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.

9. 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.

10. 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.

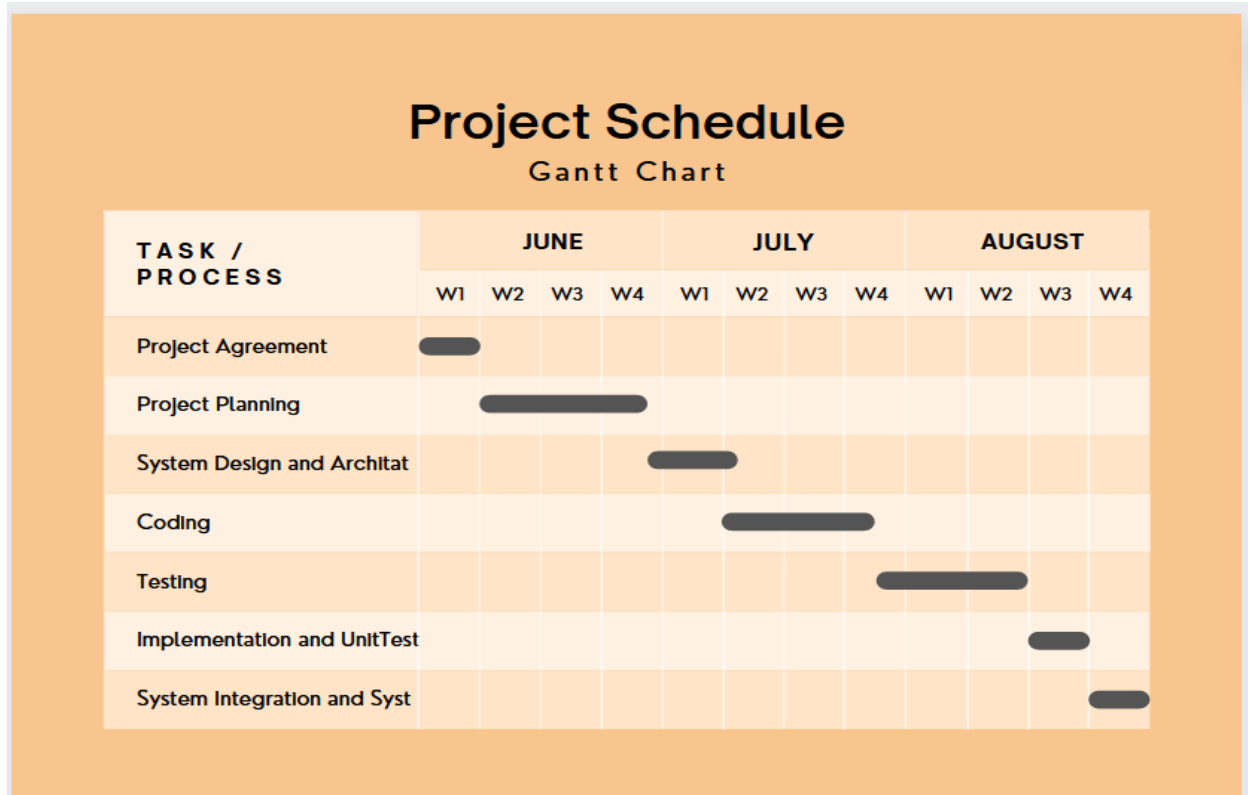
- The operation employees will need to receive communication and language training from a professional communicator.
- Instruction on the fundamental functions of the EDI interface will be required for the developers and testers for the project's final acceptance.

11. RESPONSIBILITIES

	TM	PM	Dev Team	Test Team	Client
Acceptance test Documentation & Execution	X	X		X	X
System/Integration test Documentation & Exec.	X		X	X	
Unit test documentation & execution	X		X	X	
System Design Reviews	X	X	X	X	X
Detail Design Reviews	X	X	X	X	
Test procedures and rules	X	X	X	X	
Screen & Report prototype reviews			X	X	X
Change Control and regression testing	X	X	X	X	X

12. TESTING SCHEDULE

Gantt Chart for Following Schedule:



13. 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.

14. 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