Software Quality Assurance

Phase 1

Test Plan

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1. **Test Plan Identifier** SQA-NaukriGulf01
2. **Introduction**

Naukri gulf is a recruitment website, which targets two types of audience: Employers and Job seekers. It allows the employers to post jobs in two ways either free posting or premium posting, it allows them to browse and search for CVs using specific desired qualifications, it allows employer branding and Power employer’s career site.

Job seekers are allowed to post their CV and manage their profile information, apply for job, add job alerts, add resumes improvements to their cart, share feedback, add jobs to saved list and search for jobs.

This is a test plan for Naukri gulf website, this plan will address website features that are related to employers and job seekers that are to be tested and those that are not, this plan is to ensure that assumptions are identified clearly regarding the test cases, test deliverables are identified, deadlines are scheduled, risks are considered and ensure that contingency plans are created to avoid any fails.

The plan is to provide different levels of testing, Unit testing in which each feature is tested separately and it works as intended, Integration testing in which group of related features are tested together to verify that their dependencies are smoothly serving their purpose, and finally the system testing in which the system/ website is tested as a whole to ensure that the requirements are met, yet the system testing has the least priority of all, for a web application testing to save costs.

The expected delivery of this plan is about 3 months. The tools used to execute this test plan are selenium IDE, TestNG, and JMeter.

1. **Software Risk Issues**
2. Team member quits from the project without previous notice.
3. Team members are not qualified enough to work with specified tools for testing.
4. Team member gets sick at a critical time of the project.
5. Changing priorities in project management, because we might need to stop implementation of a test case and start in anew one which causes delay in time.
6. Decreasing in the project budget due to financial management failure.
7. Inconsistent requirements changes when the testing has already started.
8. Failure to meet scheduled deadlines.
9. **Features to be Tested**

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| --- | --- | --- |
| Feature | Description | Priority |
| Post job | This feature allows employers to fill details of their desired job to be posted | High |
| Remove job | This feature allows employers to remove previously posted job | High |
| Apply for job (as logged in) | This feature allows jobseekers to apply for job using the account that is already logged in by | High |
| Apply for job without registration | This feature allows jobseekers to apply for job without logging in by filling details in a form | Medium |
| Share feedback | This feature allows users to send feedback to admin | Low |
| Add Desired job | This feature allows users to save a job in their desired job list | Medium |
| Remove Desired job | This feature allows users to remove previously added job from their desired job list | Medium |
| Job Alerts | This feature allows jobseekers to input fields of their interest in job specification to receive notification when a matching job is posted | Medium |
| Add to cart | This feature allows users to add item to their cart for later purchase | High |
| Remove from cart | This feature allows users to remove previously added items from their cart | High |
| Edit Cart | This feature allows users to edit  (change experience, quantity..etc) previously added items in their cart | Medium |
| Report bug | This feature allows users to report a bug to admins | Low |
| Summons/notices | This feature allows users to fill a form that describes their complaints about a specific part of the website (link to a job) | Medium |
| Chat with us | This feature allows users to send live messages to admin of the website | Low |
| Demo cv search | This feature allows employers to add specific details in a form to search for certain qualifications in a CV | High |
| Report job | This feature allows users to report a certain job to admin | Medium |
| Enroll for course | This feature allows users to enroll in a course to view lectures | Medium |
| Make Payment | This feature allows users to proceed to make payments to desired items to be purchased from the website | High |
| Log in | This feature allows users to access their account information | Low |
| Register | This feature allows users to create a new account | Low |
| Leave a message | This feature allows users to send message to admin | Medium |
| Change Password | This feature allows users to change their account password | Low |
| Search jobs | This feature allows users to fill their desired requirements of the job and system returns jobs that matches user’s requirements. | High |
| Career tips | This feature allows users to view articles about covid-19 and careers, expert speak, CV writing tips, career advice, employment low, job searching tips, FAQ or other topics. | Low |
| Pay for services | This feature allows the user to choose the service he/she wants for money. He can choose test resume writing, visual resume writing, resume spotlight, resume quality score or resume samples service. | Medium |
| View Application Status Update | This feature allows the user to view the status of the jobs he/she applied for. | High |
| View Employer Actions | This feature allows the user to view the actions of the employers upon his/her profile. | Medium |

1. **Features not to be Tested**

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| --- | --- |
| Feature | Reason |
| Make Payment | This feature exists after adding an item to cart (Improve CV, Text Resume (Premium) Development) and when posting job, it cannot be tested because we do not have access to bank details and transaction, therefore, we cannot confirm successful/ fail transactions. |
| Share feedback (testing feedback update in database) | We cannot confirm that a new feedback has been added successfully in the database |
| Report job (testing report update in database) | We cannot confirm that a new report has been added successfully in the database |
| Leave a message | We cannot confirm that the message has been sent as it is only viewed by the admin and not the users. |
| Change password | This feature cannot be tested, as there is no access to the database to confirm that the password has been changed |
| Track job application | After the user applies for the job, they are able to track their progress in the application such as if the employer has seen their cv or not. This cannot be tested since neither the employer or the employee input anything to this function so that an output can be tested. |
| Resume Quality Score | This function gives a score to the resume of the job seeker so that they know if the user has a good resume or not. The user uploads a doc file to the website and the website returns a score. It cannot be tested since the function that uploads the score is internal and doesn’t appear to the user. |

1. **Item Pass/Fail Criteria**

* Core functionalities should work as intended and pass the percentage of 90% of working test cases without any critical bugs.
* After entering the required fields in the website forms, if the expected output does not appear then it would be considered as a failure case.
* For a feature to pass, it should display the exact expected output.
* If a feature tested 20 times, and 19 times worked perfectly and failed at a single time, this would be considered as a failure.
* If a feature has caused the website to crash, then it would be considered as a failure.
* If a feature takes more than 30 seconds to respond, this is considered as a failure.
* If a feature is not compatible with different browsers, then this is considered as fail.
* If a feature’s button does not navigate or outputs what’s expected from it then it is considered as fail.

1. **Suspension Criteria**

* The number of errors significantly exceeds the expected number.
* All features have been tested successfully.
* Deadline has been reached according to schedule planned
* Hardware or software test resources are not available.
* Major error is encountered which could highly impact the test progress
* Changes in testing requirements
* Test environment is not available
* Core functionalities do not work as requirement has specified.

1. **Test Deliverables**

* **Before Testing**
* Requirement document review.
* Test Planning
* Test case document
* **During Testing**
* Test scripts
* Test Data
* Error logs and execution logs
* **After Testing**
* Test results/reports
* Defect Report
* Installation/ Test procedure guidelines
* Release notes

1. **Schedule**

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| --- | --- | --- |
| Task Name | Start Date | End Date |
| Requirement Document Review | **1/4/2021** | **10/4/2021** |
| Test Plan | **11/4/2021** | **16/4/2021** |
| Test case document | **17/4/2021** | **27/4/2021** |
| Test Script | **28/4/2021** | **9/5/2021** |
| Test Data | **10/5/2021** | **20/5/2021** |
| Error logs and execution logs | **21/5/2021** | **1/6/2021** |
| Test results/report | **2/6/2021** | **12/6/2021** |
| Defect Report | **13/6/2021** | **23/6/2021** |
| Installation/ Test Procedure guidelines | **24/6/2021** | **30/6/2021** |

1. **Planning Risk and Contingencies**
2. Employees are restricted to submitting their quitting form at least 30 days before their desired quitting date.
3. Assign a backup team member to fill any vacancy of the team members.
4. All team members are following up with project updates.
5. **1.** Plan training sessions for team members before starting the project.

**2.** Test team members with using the tools before working on the project.

**3.** Plan the testing tools according to the knowledge of the team members.

**C.**

**1.** Allow the team member to work remotely from home.

**D.**   
 **1.** Re-organize the priorities after finishing each phase of the project to avoid drastic change of priorities after spending long time.

**2.** Stick to pre-planned scheduled priorities.

**E.**

**1.** Require down payment before starting the project that covers the minimum costs for project testing.

**2.** Plan to work with the least amount possible on each phase to avoid budget breaking.

**F.**

**1.** Identifying a fixed list of requirements before working on the project by a contract.

**2.** Keep track of newly added functionalities as frequent as possible.

**G.**

**1.** Schedule longer periods for each phase than required to avoid late delivery.

**2.** Follow pre planned schedule and update frequently whenever a change occurs.