

**SQA Phase 1**

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* **Test Cases Document**

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| --- | --- |
| ID | UC\_NAME\_HERE |
| Description |  |
| Pre-condition |  |
| Post-condition |  |
| Main path |  |
| Alternative path |  |

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**Test Plan Identifier:** Master Test plan for Jobzella TP\_1.0

**Introduction**

The test plan is a master test plan and integrates all other testing plans. The purpose of the testing is to verify that the core functionalities consequences are reflected on screen through verifying that the system does not ignore and responds to newly entered data or requests to modify information or even clicks that activate different functionalities and displays correct, logical, and relevent results. The scope of the testing is mostly concerned with the user side of the job searching website “Jobzella” that involves features that are core to the website and are free to do without a subscription. The features to be tested mostly have several steps and include forms to be filled and must have a visible result or lead to a message after applying/committing changes. The testing plan disregards features that requires payment to do, have limited steps, or have no visible result due to the fact that these features are handled on the server side of the website management/admins and thus, they cannot be verified by a normal user. The testing plan is mainly intended for the project manager tracking the performance of the testing phase and for the SQA testers that carry out the highlighted tasks.

**Software Risk Issues**

1. The lack of knowledge of the testing team about the chosen testing framework or tool. (sol provide training)
2. Executing test cases independently in isolation and ignoring dependencies between them.
3. The testing lead taking few days off due to being sick.
4. The sudden addition of more core functionality by the website.
5. Working in a limited time scale. (sol inc work hours and increase workers/testers)
6. A part of the implemented functionality being test is discovered to not be in conformation with the original specification. (start early and test a group of sample functionality as soon as implemented)
7. The weak internet connection making the testing slow or lagging.
8. The large amount of functionality to be tested and insufficient computers available for all testers or the damage of some computers.
9. The re-design of the website and the change in the positions of some functionalities. (t5le el testing bt3hum a5er haga)
10. The inability to interpet the description or the expected outcome of the test case. (7alaha tprovide screenshots we t2ol mkan el haga wel output we t7dd 3dd lines 3shan yb2a elaborative)
11. The running of redundant test cases by different team members. (7laha timprove el communication bel meetings.
12. The continuous electricity cut off. (7laha generator)
13. The problematic functionality is not working. (7laha tt2ked manually we tbl8 el website we tshuf el website manually men badre)

* **Features to be Tested**

1. **Search (includes Sort Search Results):** A user can search with different search filters (By people, companies, jobs, courses,services).
2. **Apply to job / Unapply to job:** A user can apply to a job offered by entering their personal information. A user can also unapply to a job that they no longer find interesting.
3. **Edit profile settings:** A user can add/delete/modify any information on their profile that represents them (ex: Personal info, Contact info, upload CV, etc.)
4. **Message:** A user can send and receive messages back and forth among other users.

* **Features not to be Tested**
  + **Jobseeker side:**

1. **Create Account (Sign up – Log in):** User can create an account and enter chosen username and password to access their account.
2. **Connect / Disconnect:** A user can add someone to their connections to observe their updates and allow easy finding. A user can remove someone from their connections too.
3. **Respond to connections (Accept – Decline):** A user can accept or decline requests from other users to connect with them.
4. **Change language:** The user can change the language from english to arabic and vice versa.
5. **Report (user or company):** A user can report a profile be it a user profile or a company profile to the website.
6. **Save job post / Unsave job post:** A user can save jobs offered they find interesting to a list of saved jobs for easier access later. A user can remove jobs they no longer find interesting from the list of interesting jobs.
7. **Appreciate user profile:** A user can express that they like another user’s profile.
8. **Create a post update / Delete Post:** A user can add news to their profile and remove them.
9. **Comment on user profile updates:** A user can add a comment on another user profile updates/posts.
10. **Create recommendation:** A user can give a public recommendation to another user in order to endorser their profile’s credibility.
11. **Create company profile:** A user can create a business profile for their business.
12. **Select by category (in blog):** On blog, A user can filter posts by a specific category.
13. **Filter by tag (in blog):** On blog, A user can filter posts by a specific tag keyword.
14. **Apply to course:** A user can apply to a course - offered by another website - listed in the available courses.
15. **Apply to service / Cancel application:** A user can apply to a service in the list of services offered by jobzella.
    * **Hiring Company side:**
16. **Add to cart / Delete from cart:** In order for a hiring company owner to buy packages and be able to offer/add jobs and services, they must add their packages of interest to their cart and checkout to pay. They can also remove packages they chose from their cart.
17. **Post job:** After payment, a company owner can add jobs to the site.
18. **Manage jobs:** After payment, a company owner can manage the jobs they offered or added.
19. **Post course:** After payment, a company owner can add a course that they offer in their company.
20. **Manage courses:** After subscription, a company owner can manage the courses they offered.
21. **Post event:** A company can create a new employment event without having to pay.
22. **Manage events:** A company can manage a list of events that it organizes.
23. **Create search project:** A company can create a search poject.
24. **Manage search projects:** A company can manage the list of search projects that it created.

* **Item Pass/Fail Criteria**
* All test suites including test cases created are executed.
* 75% of the test cases must pass successfully.
* All test cases of functionalities related the application to jobs must pass.
* All test cases of functionalities related to messaging must pass.
* 60% of test cases of “Editing profile settings” must pass.
* Testing must cover at least 70% of the code of the website.
* **Suspension criteria**

1. If internet service is down, then the testing must be suspended until a contract is made with a high-end internet provider.
2. If the testing tool is incompatible with a new browser version then testing is suspended until another compatible browser version is used.
3. If the website is undergoing maintenance or is applying updates for some time then the testing must be held until the maintenance/update is completed.
4. If both test managers are not available then the testing should be suspended until one of them is contacted and provides the next milestone information.
5. If the website server is down then the testing should be paused until it is back up and running (restarted).
6. If a functionality is not working or lagging then testing is paused until the issue is fixed and the functionality is working properly.

* **Test Deliverables**

1. Test plan document
2. Effort estimation document
3. Test Data
4. Test cases
5. Bug document
6. Test Execution document
7. Test summary report
8. Test incident report

* **Schedule**

|  |  |
| --- | --- |
| **Deliverable** | **Due Date** |
| Test plan document | 30 May 2021 |
| Effort estimation document | 5 June 2021 |
| Test Data | 8 June 2021 |
| Test cases | 15 June 2021 |
| Bug document | 20 June 2021 |
| Test Execution document | 22 June 2021 |
| Test summary report | 25 June 2021 |
| Test incident report | 28 June 2021 |

* **Planning Risk and Contingencies**

1. Providing intensive training for the used tool or use the testing tool known to the majority of testers involved.
2. Prioritizing the test cases in such a way that the dependencies are executed before other test cases that depend on them and grouping test cases into several test suites each containing a sequence of dependent test cases.
3. Determining a second or vice test lead/manager who knows the same information as the original testing manager.
4. Frequent communication with the stakeholders to be informed if any new functionality is going to be added, in this case, the testing of the functionalities expected to be added/deployed should be postponed to the end rather than testing outdated functionalities.
5. In case the timeline of the project is limited, increase the number of testers and the work hours to be able to deliver on the agreed time.
6. If there is a possibility that a part of implemented functionality does not conform with the software specification, test the most simple functionalities first (those that were unlikely to have been wrongly implemented) and revise the functionalities being tested with both the developers and the customer to ensure their correctness before implementing test cases.
7. Make a contract with high-end internet service provider to impose being provided with internet all the time.
8. The outsourcing of some testing tasks to other small companies.
9. Frequent communication with stakeholders in order to be informed of which part of the website are going to be re-designed and postpone the testing of the functionalities present in those modified parts to the end of the testing.
10. To mitigate the risk of misinterpretation of test cases, impose a minimum number of lines for the elaboration of test case descriptions, and mention more parameters like the position and color of the item to be tested. Moreover, providing screenshots should be helpful.
11. To prevent the running of redundant test cases by different team members, improve the communication among testers by regular meetings in which specific tasks are assigned to each tester.
12. To mitigate the risk of frequent electricity cut off, the company in charge of testing should have an electricity generator.
13. To mitigate the risk of a functionality not working in the site, manually test the website once assigned to be able to report any erroneous functionality to the development team early in order to fix it and make it ready for testing by the time it is addressed and thus, save much time.