Task 1: Testing the frontend

**Test Plan**

**On line Survey**

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**Approvers List**

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**Reference Documents**

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Document Name** |
| 1.0 |  | Online survey SRS/application |
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**1. INTRODUCTION**

* 1. **Purpose**

This test plan describes the testing approach and overall framework that will drive the testing of the Online Survey Application

The document introduces:

Test Strategy: Rules the test will be based on, including the givens of the project (objectives, assumptions etc );

Execution Strategy: Describes how the test will be performed and process to identify and report defects.

Test Management: Process to handle the logistics of the test and all the events that come up during execution (risk and mitigation, test environment etc.)

* 1. **Project Overview**

The objective of this part is to test a online survey application before it is put online for users to answer. We need to ensure that the interface works properly and that the user experience is great – UI and Usability testing.

* 1. **Audience**

Project team members provide input and recommendations on this document.

Project Manager Plans for the testing activities in the overall project schedule, reviews the document, tracks the performance of the test according to the task herein specified, approves the document and is accountable for the results.

Technical team ensures that the test plan and deliverables are in line with the design, provides the environment for testing.

Business analysts will provide their inputs on functional changes.

**2. TEST STRATEGY**

**2.1. Test Objectives**

The objective of the test is to verify that the functionality of “Online Survey Application “according to the specifications.

The test will execute and verify the test cases, identify, fix and retest all defects. The final product of the test is production-ready software and a set of stable test scripts that can be reused for future test execution.

**2.2. Test Assumptions**

Exploratory/Smoke test would be carried out by developer once the build is ready for system testing.

The system will be treated as a black box; if the information shows correctly online, it will be assumed that the database is working properly.

**2.3. Test Principles**

Testing will be focused on meeting the business objectives and quality. There will be entry and exit criteria.

**2.4. Data Approach:** Data entered by tester/user as answer to survey question will be stored in backend.

**2.5. Scope of the testing – Functional testing**

Functional testing will be performed to check the functionality of online survey application manually. It will be carried out by selecting one or multiple answer provided along with the questions and moving to next question till the last question.

**2.5.1 Test Acceptance criteria**

1. Application/Functional specification document must be available.

2. Development completed and unit, integration and smoke testing done successfully.

3. Test environment with application installed and ready to use.

**2.5.2 Test Deliverables**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Deliverable Name | Author | Reviewer |
| 1 | Test Plan | Tester | All stakeholders |
| 2 | Functional test case | Tester | BA |
| 3 | Defect report | Tester |  |
| 4 | Daily/Weekly status report | Tester |  |
| 5 | Test closure report | Tester |  |

**2.6. Test scenario and test effort estimate**

**2.6.1 Test Scenario**

1.Verify that test “Speak UP” with microphone icon displayed at the top left corner of the page.

2.Verify that **text** “Welcome to this survey about general knowledge!

There are 10 questions in the survey” is displayed on left side of the page.

3.Verify that a check box with label “I understand that if I rush or answer dishonestly I will not get rewarded” is displayed just below the scenario 2 text.

4. Click on check box and verify the button “NEXT” is enabled or not.

5. Click on button “NEXT” if it is enabled and verify the question one “How many hours per day do you spend on reading the news?” is displayed along with 4 answers preceded by radio button. If “NEXT” button is not enabled report the defect.

6. Click on one radio button (one answer) and check whether the “NEXT” button is enabled or not ?.

7. Click on button “NEXT” and verify the question two “Which of these social media platforms do you use at least once a week?” is displayed along with 7 answers preceded by radio button.

8. Click on at least two radio button (two answer) and check whether the “NEXT” button is enabled or not ?.

9. Click on button “NEXT” if it is enabled and verify the question three “Which of the following media do you use at least once a week?” is displayed along with 5 answers preceded by radio button.

10. Select one or more check box and click on “NEXT” if it is enabled, otherwise report defect.

11. Verify that the question four “If given the chance to learn all the secrets of one PROMINENT PERSON, whose secrets would you like to know?” displayed or not. Verify that a text box to enter the person name is present just below the text.

12. Enter the name in the test box and click on “NEXT” if it is enabled, otherwise report defect.

13. Verify that the question five “Do you agree or disagree: In general, I trust the information I get from the media.” displayed or not along with 5 answer preceded by radio button?.

14. Select the answer by clicking the radio button and click on “NEXT” if it is enabled, otherwise report defect.

15. Verify that the question six “What is five plus two?” displayed or not along with the test “*We need to check you're not a robot*” just below the question. Verify that a text box to enter the answer is present just below the text.

16. Enter the answer in the test box and click on “NEXT” if it is enabled, otherwise report defect.

17. Verify that the question seven “Do you live in a city or in a rural area?” displayed or not along with 2 answer preceded by radio button?.

18. Select the answer by clicking the radio button and click on “NEXT” if it is enabled, otherwise report defect.

19. Verify that the question eight “Which is your favourite from these award-winning films? “ displayed or not along with text “Please select one movies” and 3 answer preceded by radio button just below the text?.

20. Select one movie by clicking the radio button and click on “NEXT” if it is enabled, otherwise report defect.

21. Verify that the question nine “What do you like most about The <movie name>? “ ans “Please select one” in next line along with 5 answer preceded by radio button just below the text?.

22. Select one answer by clicking the radio button and click on “NEXT” if it is enabled, otherwise report defect.

23. Verify that the text ”We are processing your information ” is displayed or not ?

24. Verify that the text “All done !” is displayed on the centre of the page “Thanks for your insights” in next line. Verify the presence of the email id [contact@speak-up.io](mailto:contact@speak-up.io) also.

**2.6.2 Test estimation**

|  |  |
| --- | --- |
| **No. of test scenario** | **24** |
| **Complexity** | **Simple** |
| **Approximate time required for creation of one scenario.** | **15 min** |
| **Total time require for scenario creation** | **6 hr** |
| **Total time require for scenario execution.** | **2 hr** |

**3. EXECUTION STRATEGY**

**3.1. Entry and Exit Criteria**

Entry criteria is application has to be deployed in test environment after successful unit and integration testing.

Exit criteria are:

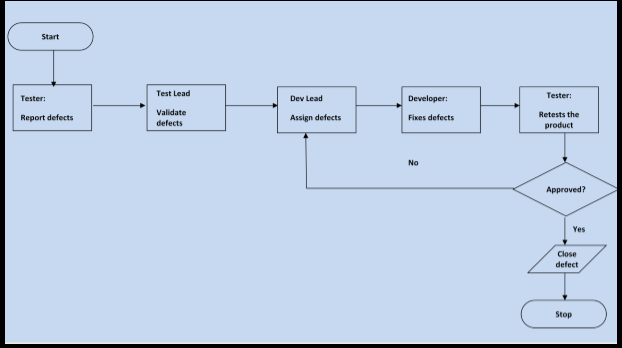
1. 100% test case execution should be completed
2. At least 95% pass rate of test case
3. No open critical and high severity defects
4. 95% of medium severity defects should be closed.

**3.2. Test Metrics**

|  |  |  |
| --- | --- | --- |
| Report | Description | Frequency |
| Test preparation & Execution Status | To report on % complete, % Pass, % Fail  Defects severity wise Status – Open, closed, any other Status |  |
|  |  |  |

**3.5. Defect tracking & Reporting**

**Defect life cycle:**



**4. TEST MANAGEMENT PROCESS**

**4.1. Test Management Tool**

**4.2. Test Design Process**

The tester would understand each requirement and prepare corresponding test case to all requirements. Each Test case will be mapped to requirements as part of Traceability matrix. Each of the test cases will undergo review by the BA and the review defects are captured and shared to the test team. The testers will rework on the review defects and finally obtain approval and sign-off.

* 1. **Test Execution Process**

Once the test environment is ready tester can access the application using below link:

[https://surveyinterface-v2.opinionsample.com/#/surveys/ab320070-bbad-0134-bb62-0a6b3886cf3d/init?publisher\_user\_id=07bfe320-86d2-0131-c9aa-0a424708edaa&panel\_user\_id=PANEL\_USER\_TEST\_c75236c0-bbad-0134-bbe2-0a6b3886cf3d&panel\_user\_id\_kind=PANEL\_USER\_KIND\_TEST&pparam\_offer\_click\_id=OFFER\_CLICK\_TEST\_c75236c0-bbad-0134-bbe2-0a6b3886cf3d&is\_test=true](https://surveyinterface-v2.opinionsample.com/#/surveys/ab320070-bbad-0134-bb62-0a6b3886cf3d/init?publisher_user_id=07bfe320-86d2-0131-c9aa-0a424708edaa&panel_user_id=PANEL_USER_TEST_c75236c0-bbad-0134-bbe2-0a6b3886cf3d&panel_user_id_kind=PANEL_USER_KIND_TEST&pparam_offer_click_id=OFFER_CLICK_TEST_c75)

The home page contains welcome message and after accepting “I understand that if I rush or answer dishonestly I will not get rewarded” by clicking check box tester/user can get first question. Testing will be carried out by selecting one or multiple answer provided along with the questions and moving to next question till the last question.

* 1. **Test Risks and Mitigation Factors**

|  |  |  |
| --- | --- | --- |
| Risk | Impact | Mitigation |
|  |  |  |
|  |  |  |

* 1. **Test Team**

|  |  |
| --- | --- |
| Team member | Role |
| Member 1 | Scenario creation and execution |
|  |  |

* 1. **Test environment**

Test environment includes the Webserver, application (Application Under Test)and MS SQL (DB)server