**WEBSHOP**

**test plan**

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The test plan was created to communicate the testing approach to the team members. It includes the objectives, scope, schedule, risks and approach.

* 1. Objectives

The 'WEBSHOP' company wants to purchase services for the development of a website that must be implemented and tested by our company.

The project is implemented by the development department.

The testing team is responsible for testing the product and ensuring that the product meets the needs of the customers.

* 1. Team Members

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| --- | --- |
| **Resource Name** | **Role** |
| Barbusiu Bogdan | QA lead |
| Mircea Raoul Gheorghiu | Tester |
|  |  |

1. **Scope**

The initial phase will include all the "must have" requirements. These and any other requirements that are included must all be tested. At the end of Phase 1, a tester should be able to:

1. Analyze the documents and requirements

2. Create manual tests

3. Create automatic tests - if necessary

4. Execute the manual tests and complete the status (Pass/Fail/Blocked)

5. Report the defects found

6. Complete and submit a final report

1. **Risks**

The following risks have been identified and appropriate measures have been identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk were triggered. The trigger is the moment or event that would cause the risk to become a problem to be solved.

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| **#** | **Risk** | **Impact** | **Trigger** | **Mitigation Plan** |
| 1 | Scope Creep – as testers  become more familiar with the tool, they will want more functionality | High | Delays in implementation date | Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out. |
| 2 | Functionality changes  may invalidate  already written tests  and we may lose  already written test  cases | High | Loss of all test cases | Export data before any upgrade |
| 3 | Weekly delivery is not possible because the developer works off site | Medium | Product did not get delivered on schedule |  |
| 4 |  |  |  |  |

1. **Test approach**

The project uses an "Agile-Kanban" approach.

All the content is added to "To Do" after which, depending on the priority, it goes to the "In progress" or "Done" stage.

The tests are created based on the "Definition of done" attached to each task.

The DoD document should contain test cases to facilitate the automation process.

Additional tests can be added if necessary during the "test execution" activity.

Exploratory testing will play a large part of the testing because the team has never used this type of tool and will learn as the project progresses. Tests for planned functionality will be created and added to the TCT as the tests are executed.

* 1. Automation Testing

All tests in "Definition of done" will run automatically.

1. **Testing tools**

Github - project management and bug tracking

GitHub - test results

Selenium IDE - automation

Google Sheets/Microsoft excel - test case management, bug creation, test status and report

1. **Milestones / Deliverables**
   1. Program

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| --- | --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Effort** | **Comments** |
| Test Plan | 07/06/2023 | 19/07/2023 | 1h |  |
| Requirements review | 07/06/2023 | 19/07/2023 | 2h |  |
| Test design | 07/06/2023 | 20/06/2023 | 2h |  |
| Test implementation (creation) | 20/06/2023 | 03/07/2023 | 8h |  |
| Test execution | 03/07/2023 | 18/07/2023 | 10h |  |
| Exploratory testing | 03/07/2023 | 18/07/2023 | 2h |  |
| Test monitoring and control | 06/07/2023 | 19/07/2023 |  | Bogdan B |
| Test closure activities | 19/07/2023 | 19/07/2023 | 2h |  |
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* 1. Documents

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| **Deliverable** | **For** | **Date / Milestone** |
| Test Plan | Project Manager; QA lead; Test Team | 19/07/2023 |
| Test Cases | Project Manager; QA Lead | 03/07/2023 |
| Test Results | QA Lead | 18/07/2023 |
| Test Status and bug report | QA Lead | 18/07/2023 |
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