**Test Plan**

**<<Joker Child Project>>**

*ChangeLog*

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
| version number | Date of Change | Name of person who made changes | Description of the changes made |
| 1.0.0 | 06.02.2021. | Renáta Keszte, András Fülöp, Zoltán Soós | Initial plan |
| 1.1.0 | 10.02.2010. | Renáta Keszte | In scope modifications |
|  |  |  |  |

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*1.1.1* *In Scope 2*

*1.1.2* *Out of Scope* [*2*](https://docs.google.com/document/d/1oqDroH2fBTOIBjxKNZGKd70IVSXGRaBZ/edit#heading=h.1y810tw)

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1. **Introduction**

We will be running functional system tests on the web page provided by the developer team. The testing is reactive, with a combination of analytical and check-list based methodical approach.

Our workflow is cloud-based with the use of Jira, Trello, Google Docs and Google Sheets.

Daily meetings between the project managers, the development team and the tester team are required.

Entry criteria:

* test environments are ready and configured
* software is delivered

* 1. **Scope**
     1. In Scope
* sign up and login functions (as teacher or student)
* card ID input
* card functions (animation, questions, answers)
* adding new card
* modifying card
* drag & drop answers
* answer validation
* pop-up window for help section
* statistics
* XP count
  + 1. Out of Scope
* Non-functional testing (such as load testing, security testing, performance testing etc.)
  1. **Quality Objective**
* Ensure the Application Under Test conforms to functional requirements
* Ensure the AUT meets the quality specifications
* Bugs/issues are identified and fixed
  1. **Roles and Responsibilities**
* Project Managers: Adrienn Csupák

Tünde Belényesi

* Developers: Barna Holl

Bálint Ligeti

Zoltán Vécsey

* Test Manager: Zoltán Soós
* Manual Testers: András Fülöp  
   Renáta Keszte

1. **Test Methodology**
   1. **Overview**

Waterfall methodology steps:

* Requirements
* Design
* Implementation
* Verification
* Maintenance

* 1. **Test Levels**
* System Test with only Functional Tests
  1. **Bug Triage**
* Bugs found during test execution are recorded in Trello & Jira and are prioritized
* In our daily meetings, we review defects and priority is changed if necessary
* Discussion regarding the complexity of the defect, risks, rejection
* Bugs are assigned to dev team
* Confirmation testing & regression testing are done after the bug is fixed
* If issue persists or new ones arise, process begins anew

**2.4 Test Completeness**

Exit criteria:

* 100% functional coverage
* All Manual Test cases executed
* 100% of high and medium priority test cases passed
* At least 80% of all test cases passed
* All open bugs are fixed or will be fixed in next release

1. **Test Deliverables**

* Test Plan
* Test Conditions
* Test Cases
* Requirement Traceability Matrix
* Bug Reports
* Test Summary Report

1. **Resource & Environment Needs**
   1. **Testing Tools**

* Jira: for test execution and bug tracking
* Trello: bug tracking, process log
* Google Sheets: for requirements traceability matrix and test design
* Google Docs: for documentation
* Discord & Google Meet: for communication

* 1. **Test Environment**
* Andris: Ubuntu 18.04, Firefox, Chrome
* Reni: Chrome v. 88.0.4324.150 (Windows 10 PC)

Chrome v. 88.0.4324.152 (Android 10, Samsung Galaxy A50 phone)

Chrome v. 88.0.4324.141 (Android 10, Samsung Galaxy Tab A SM-T510)

* Zoli: Edge v. 88.0.705.63 (Official build) (64 bit) (Windows 10 PC)

Huawei web browser v. 11.0.4.302 (Android 10; MAR-LX1A Build/HUAWEIMAR-L21A) Huawei P30 lite

1. **Terms/Acronyms**

Make a mention of any terms or acronyms used in the project

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| --- | --- |
| **TERM/ACRONYM** | **DEFINITION** |
| API | Application Program Interface |
| AUT | Application Under Test |
| PM | Project Manager |