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Software Project Management 2021/2022

Flashee

D2.3.2 - Quality Assessment Report

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### Reviewer

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### Approver

* 1.0 Burak Tinman

# Metrics

The following table resumes all defined metrics, goals and measures for the project.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Description/Formula** | **Goal** | **Result** | **Achieved** |
| 1 | Number of browsers the application works on (to ensure portability) | ≥4 | 4 tested | Yes |
| 2 | Loading time of every screen of the application | ≤1s | <1s | Yes |
| 3 | User errors while using the application (see tests) | ≤3% | <3% | Yes |
| 4 | Number of times the final application fails because of internal errors | <1/1000 | <1/1000 | Yes |
| 5 | Complexity of functions | ≤O(n2) | ≤O(n³) | No |
| 6 | Document corrections (after approval) | ≤1 | <1 | Yes |
| 7 | Number of times a component gets tested | ≤3 | <3 | Yes |

Since the user errors will be measured with 10 users in total, they aren’t very viable.

A document with all the measurements taken to test the defined metrics can be found [here](https://isecpt.sharepoint.com/sites/GPS20212022-Team31/Project%20Files/Deliverables/D2.3.2.1%20-%20Support%20Document.xlsx).

## Change Control list

The following changes have been requested.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Requested change** | **Proponent** | **Version** | **Decision** |
|  | NONE | - | - | - |
| # of accepted changes | | | | 0 |

## Reviews

The following list describes which work products shall be reviewed, and what kind of procedure will be used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Work Product** | **Planned review** | **# Major defects** | **Done on date** | **Done late** |
| 1 | 2.1.1 - SRS | Inspection | 5 | 14/12/2021 | No |
| 2 | 2.1.2 - Risk Plan | Deskcheck | 0 | 20/12/2021 | No |
| 3 | 2.1.3 - Acceptance Test Plan | Deskcheck | 0 | 27/12/2021 | Yes |
| 4 | 2.1.4 - Milestone M1.2 Report | Deskcheck | 0 | 27/12/2021 | No |
| 5 | 2.2.1 - Software Architecture & Design | Deskcheck | 0 | 27/12/2021 | No |
| 6 | 2.2.2 - Source Code | Deskcheck | 0 | 03 – 10/01/2022 | Yes |
| 7 | 2.2.3 - User Documentation | Deskcheck | 0 | 17/01/2022 | No |
| 8 | 2.2.4 - Milestone M2.2 Report | Deskcheck | 0 | 17/01/2022 | No |
| 9 | 2.3.1 - Acceptance Test Report | Deskcheck | 0 | 24/01/2022 | No |
| 10 | 2.3.2 - Quality Assessment Report | Deskcheck | 0 | 24/01/2022 | No |
| 11 | 2.3.3 - Milestone M3.3 Report | Deskcheck | 0 | 24/01/2022 | No |
| Total | | 11 | 5 | - | - |

## Tests

The following list describes which work products shall be tested, and what kind of procedure will be used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Work Product** | **Planned test** | **# Errors** | **Done on date** | **Done late** |
| 1 | Create Cards | Unit | 0 | 17/01/2022 | No |
| 2 | Modify existing cards | Unit | 0 | 17/01/2022 | No |
| 3 | Topic Sorting | Unit | 0 | 17/01/2022 | No |
| 4 | Import-export user decks | Integration | 0 | 17/01/2022 | No |
| 5 | Practice Mode | Unit | 0 | 17/01/2022 | No |
| 6 | Search for certain cards | Unit | 0 | 17/01/2022 | No |
| 7 | User stats | Unit | 0 | 17/01/2022 | No |
| 8 | Annotations | Unit | 0 | 17/01/2022 | No |
| 9 | Tag via difficulty | Unit | 0 | 17/01/2022 | No |
| 10 | Card Design | Acceptance | 0 | 17/01/2022 | No |
| 11 | UX Design | Acceptance | 0 | 17/01/2022 | No |
| 12 | Design the leaderboards | Acceptance | - | - | - |
| 13 | Animations | Acceptance | 0 | 17/01/2022 | No |
| 14 | Easy to view/access tags | Acceptance | 0 | 17/01/2022 | No |
| 15 | Clearly visible difficulty of cards | Acceptance | 0 | 17/01/2022 | No |
| 16 | Easy visible practice time | Acceptance | 0 | 17/01/2022 | No |
| Total | | 16 | - | - | - |

## Noncompliance list

The following list describes the issues that occurred during the project, which did not comply with the quality plan.

|  |  |
| --- | --- |
| **#** | **Description** |
| 1 | Changes to EVA due to illness and crunch time in other projects |
| 2 | Leaderboards not implemented because of local storage not needed |
| 3 | Statistics not correctly done due library dificulties |