***Open Project***

**SOFTWARE TEST REPORT**

Version *1.0*

*01/18/2023*

**VERSION HISTORY**

| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| --- | --- | --- | --- | --- | --- |
| 1.0 | Itay Aharoni  Suf Karmon  Ilai Azulai | *24.1.2023* | Itay Aharoni  Suf Karmon  Ilai Azulai | *29.1.2023* | *First release* |
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**1.0 INTRODUCTION**

**1.1 PURPOSE**

This *Open Project* Test Report provides a summary of the results of tests performed as outlined within this document.

**2.0 TEST SUMMARY**

**Project Name**: *Open Project*

**System Name**: *Open Project*

**Version Number**: *12.4.2*

***2.1 FUNCTIONALITY TEST***

*This is the main chunk of the testing plan. targeting each vital functionality with testing and validation.*

**Test Owner**: *Itay Aharoni, Suf Karmon,Ilai Azulai*

**Test Date**: *22.1.23*

**Test Results**: *Mostly positive results returned as expected. Overall passing requirements.*

***2.2 USABILITY TEST***

*This is the UX and usability section of the tests where we as a test group first got to know the system and tested the functionality against our expected outcome without being familiar with the system*

**Test Owner**: *Itay Aharoni, Suf Karmon,Ilai Azulai*

**Test Date**: *22.1.23*

**Test Results**: *Mostly positive results returned as expected. Overall passing requirements.*

***2.3 SMOKE TEST***

*This is the first impression test of the system checking only vital elements.*

**Test Owner**: *Itay Aharoni, Suf Karmon,Ilai Azulai*

**Test Date**: *22.1.23*

**Test Results**: *Mostly positive results returned as expected. Overall passing requirements.*

***2.3 EXPLORATORY TEST***

*This is the first feel around of the system getting to know the functionality.*

**Test Owner**: *Itay Aharoni, Suf Karmon,Ilai Azulai*

**Test Date**: *22.1.23*

**Test Results**: *Mostly positive results returned as expected. Overall passing requirements.*

**3.0 TEST ASSESSMENT**

*The test outcome was largely positive. meaning the majority of the functionality and most important the vital functionality of the system works as expected. Overall 70.1% of the tests turned as expected. 11.7% turned partially as expected. and 18.2% turned out not as expected.*

*It is important to clarify that even though it seems a significant part (almost 20%) turned out not as expected, that does not mean that the systems overall functionality has a 20% fault. This is due to the tests being created by the Testing team with regards to their own interpretation of the functionality requirements, and not strictly to the written functionality of the creators of the system.*

*With this disclaimer being said, we would expect such an established system to turn out more intuitive results. This is mainly an assessment of the Usability aspect of the system as the most significant result.*

**4.0 TEST RESULTS**

*The results of the tests are specified in the following tables according to test type, test ID and the actual result. The Test Result we defined is either: as expected, not as expected, or partly as expected. The outcome is the actual output of the test.*

**4.1 Functionality**

The table below summarizes the test cases employed for functionality and the test results obtained for each test case:

| Test Case ID | Date Tested | Tester | Test Result | Outcome |
| --- | --- | --- | --- | --- |
| 1 | 24.1.23 | Itay Aharoni | As expected | System was installed properly. |
| 4 | 24.1.23 | Itay Aharoni | Partly as expected. | App stores by default the first name as the username of the email, and the domain of the email is the last name (@ included) |
| 5 | 24.1.23 | Suf Karmon | Not as expected. | App complete the registration without validate the email address |
| 6 | 24.1.23 | Itay Aharoni | As expected | Changed the avatar. |
| 7 | 24.1.23 | Itay Aharoni | As expected | Randomly selected an access token. Click on reset generates another access token. |
| 8 | 24.1.23 | Ilai Azulai | As expected | App validates the input by selecting an input from a built list. |
| 9 | 24.1.23 | Ilai Azulai | As expected | App validates the assigned member by selecting him from a list. |
| 10 | 24.1.23 | Ilai Azulai | Not as expected. | Number was not validated and the task was added. |
| 11 | 24.1.23 | Suf Karmon | Not as expected. | Milestone was added even though it was not assigned to anyone. |
| 12 | 24.1.23 | Itay Aharoni | Partly as expected. | Nothing happens with one click. Two clicks are required or one click on the ID itself. |
| 15 | 24.1.23 | Itay Aharoni | Partly as expected. | Edit the selected user permission, can change admin permissions |
| 16 | 24.1.23 | Suf Karmon | Partly as expected. | Deleted the selected user, no warning of delete action, can delete an admin |
| 17 | 24.1.23 | Suf Karmon | As expected | Downloaded a proper pdf file with the currect task description |
| 18 | 24.1.23 | Suf Karmon | As expected | Added a Wiki page |
| 19 | 24.1.23 | Suf Karmon | As expected | Wiki page edited |
| 20 | 24.1.23 | Itay Aharoni | As expected | Wiki page edited with the file uploaded |
| 21 | 24.1.23 | Itay Aharoni | As expected | new project added as a subproject of the other project provided |
| 22 | 24.1.23 | Itay Aharoni | Not as expected. | The cost report is'nt added. The label under private / public cost report is in the same color as the side coloumn which make it invisible |
| 23 | 24.1.23 | Itay Aharoni | As expected | Displayed the news. |
| 24 | 24.1.23 | Ilai Azulai | As expected | New board added |
| 25 | 24.1.23 | Ilai Azulai | As expected | New list added to board |
| 26 | 24.1.23 | Ilai Azulai | As expected | Added file. |
| 27 | 24.1.23 | Ilai Azulai | As expected | Deleted file. |
| 28 | 24.1.23 | Suf Karmon | As expected | To delete the a list from the board. |
| 29 | 24.1.23 | Suf Karmon | As expected | The watcher was added to the task. |
| 30 | 24.1.23 | Suf Karmon | As expected | The watcher was removed from the task the task. |
| 31 | 24.1.23 | Suf Karmon | As expected | The description was added to the task. |
| 32 | 24.1.23 | Suf Karmon | Not as expected. | The card was'nt added to the list. |
| 33 | 24.1.23 | Ilai Azulai | As expected | The description was edited. |
| 34 | 24.1.23 | Itay Aharoni | Not as expected. | The card was'nt added to the list. |
| 35 | 24.1.23 | Itay Aharoni | As expected | The board name will change |
| 36 | 24.1.23 | Itay Aharoni | As expected | The board was deleted |
| 37 | 24.1.23 | Ilai Azulai | As expected | The task was added to the workpackge as a child of the clicked task. |
| 38 | 24.1.23 | Ilai Azulai | Partly as expected. | The app lets the user type the title's task for search. A list of tasks including the user's input was displayed. |
| 39 | 24.1.23 | Itay Aharoni | As expected | All notification will apear as read |
| 40 | 24.1.23 | Suf Karmon | As expected | Show all the projects and their status |
| 41 | 24.1.23 | Suf Karmon | Not as expected. | Didn't show any activities that has been made. |
| 42 | 24.1.23 | Itay Aharoni | As expected | Show all the projects the suits the filter requirments |
| 43 | 24.1.23 | Itay Aharoni | As expected | Changed the range of dates by a scheduler according to the input. |
| 45 | 24.1.23 | Itay Aharoni | As expected | Exported to csv or xls with all the projects data |
| 47 | 24.1.23 | Suf Karmon | As expected | Open all the projects data in Gantt view |
| 48 | 24.1.23 | Suf Karmon | As expected | Added a category. |
| 49 | 24.1.23 | Ilai Azulai | As expected | Added the widget to the project overview board |
| 51 | 24.1.23 | Ilai Azulai | As expected | The widget has been removed from the overview board. |
| 54 | 24.1.23 | Ilai Azulai | As expected | The task was downloaded as PDF with the updated details. |
| 55 | 24.1.23 | Ilai Azulai | As expected | The widget saved the changes. |
| 56 | 24.1.23 | Ilai Azulai | As expected | The logged in was added as a watcher of the task. |
| 57 | 24.1.23 | Suf Karmon | As expected | The logged in was removed from the watchers list of the task. |
| 60 | 24.1.23 | Suf Karmon | As expected | The category save and displayed the changes commited. |
| 61 | 24.1.23 | Itay Aharoni | As expected | The app displayed the recent tasks that were created in the work package. |
| 62 | 24.1.23 | Itay Aharoni | As expected | The new category added. |
| 63 | 24.1.23 | Itay Aharoni | As expected | The app displayed the gantt chart of the work package. |
| 64 | 24.1.23 | Itay Aharoni | As expected | The category has been deleted. |
| 65 | 24.1.23 | Suf Karmon | As expected | The app displayed the summary of the work package. |
| 66 | 24.1.23 | Ilai Azulai | As expected | The new version has been added |
| 67 | 24.1.23 | Ilai Azulai | Not as expected. | The app did not display the task that the logged in user have created, the list is empty. |
| 68 | 24.1.23 | Ilai Azulai | As expected | The version has been edited. |
| 69 | 24.1.23 | Ilai Azulai | As expected | The app displayed the tasks that are assigned to the logged in user. |
| 70 | 24.1.23 | Suf Karmon | As expected | The version has been deleted. |
| 71 | 24.1.23 | Suf Karmon | As expected | The title of the team planner was changed according the input. |
| 72 | 24.1.23 | Suf Karmon | As expected | The project identifier has been changed. |
| 74 | 24.1.23 | Itay Aharoni | As expected | The project will be edited. |
| 75 | 24.1.23 | Itay Aharoni | Not as expected. | The input was not validated and the title was changed to invalid data. |
| 76 | 24.1.23 | Itay Aharoni | As expected | The task's date was changed to the location of it in the calender. |
| 77 | 24.1.23 | Itay Aharoni | As expected | The typed and dragged task was saved in the selected date. |
| 78 | 24.1.23 | Itay Aharoni | Not as expected. | There was not any button to save so the new assignee was not added. |

**4.2 Usability**

The table below summarizes the test cases employed for usabilityand the test results obtained for each test case:

| Test Case ID | Date Tested | Tester | Test Result | Outcome |
| --- | --- | --- | --- | --- |
| 14 | 24.1.23 | Suf Karmon | Partly as expected. | Sent invite to the selected user from users associates in four steps |
| 44 | 24.1.23 | Ilai Azulai | Not as expected. | Progress bar does not change even though all of it's children are closed. |
| 46 | 24.1.23 | Itay Aharoni | Partly as expected. | Exported to csv or xls with all the projects data with three steps once in View all projects page |
| 50 | 24.1.23 | Itay Aharoni | Partly as expected. | There is not any button which saves the input of the user - once you refresh it saves but no button. |
| 52 | 24.1.23 | Ilai Azulai | Not as expected. | Input is not validated and the user can choose a negative number. |
| 53 | 24.1.23 | Suf Karmon | As expected | The widget moved to a different location. |
| 58 | 24.1.23 | Suf Karmon | Not as expected. | The app displayed all of the tasks, including the closed ones. |
| 59 | 24.1.23 | Ilai Azulai | Partly as expected. | The app displayed the latest activities of the work package, but did not include all of them such as change task's status. |
| 73 | 24.1.23 | Ilai Azulai | As expected | The app displayed the team planner of the first week only. |

**4.3 Smoke**

The table below summarizes the test cases employed for smoke and the test results obtained for each test case:

| Test Case ID | Date Tested | Tester | Test Result | Outcome |
| --- | --- | --- | --- | --- |
| 2 | 24.1.23 | Ilai Azulai | As expected | Redirected to the organization's homepage |
| 13 | 24.1.23 | Ilai Azulai | As expected | Get to the homepage of the app without an account logged in. |

**4.4 Exploratory**

The table below summarizes the test cases employed for functionality and the test results obtained for each test case:

| Test Case ID | Date Tested | Tester | Test Result | Outcome |
| --- | --- | --- | --- | --- |
| 3 | 24.1.23 | Suf Karmon | Not as expected. | Saved my input and did not validate it. |

**5.0 VARIANCES**

*All of the tests described in the STD were implemented.*

*The test environment was the actual production environment so there was no variance of environments.*

**6.0 TEST INSTANCES**

*The following are the most significant functional instances that acted not as expected:*

*6.0.1 User name can be edited with numbers.*

*6.0.2 Filter by ‘Open Tasks’ shows ‘Closed Tasks’ as well.*

*6.0.3 Filter by ‘Created by me’ doesn't show tasks the logged in user has created.*

*6.0.4 Estimated time for task can input a negative number.*

*6.0.5 Progress Bar of Open Task with ‘Sub-Tasks’ is not affected when the   
‘Sub-Tasks’ are all closed.*

*6.0.6 Added Card attached to a list is not saved.*

* 1. **RESOLVED TEST INCIDENTS**

*The testing was done after production on a live system. No resolutions were made after the testing was done.*

* 1. **UNRESOLVED TEST INCIDENTS**

*As stated, each of the test instances described in 6.0 is currently unresolved.*

**7.0 RECOMMENDATIONS**

*It is clear that the OpenProject system is made by and maintained by a strong open source community with a strong leadership. The system displayed many functions both simple and complex integrated in one versatile system.*

*Therefore there is no strong recommendation for any functionality change in the system other than fixing test cases mainly dealing with validations and edge cases.*

*As a testing team, our strongest recommendation is the overall re-think of the user experience of the system. As many more systems that have been live for more than 10 years, design expectations change, and users have certain expectations for how a system should behave. It does not make a good system unusable, but it does increase the learning curve of the system and make the experience harder. So as a last recommendation, we would recommend the OpenProject group to perform their own user experience based test, and to rethink the necessary changes that conclude from such a test.*