**Redmine Project**

* Test Plan -

**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| 09.14.2023 | Test Plan for version 1.0 | Andrada Pricop | draft test plan |
| 09.21.2023 | v1.1 | Andrada Pricop | Added more details for Test Process |
| 10.18.2023 | v1.2 | Andrada Pricop | Added the final version for bugs report |

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4. **Introduction**

Redmine is a flexible project management web application. Written using the Ruby on Rails framework, it is cross-platform and cross-database.

Redmine is open source and released under the terms of the GNU General Public License v2 (GPL).

* 1. **Project Objective**

We need to raise the trust in the quality of the project as high as possible before releasing it to customers.

Application under test: <https://www.redmine.org/>

Documentation: <https://www.redmine.org/guide>

* 1. **Functionalities in scope**
* All the features of My account module which were defined in Redmine business requirements will be tested using the following testing types: functional testing, GUI testing and API testing
* The Redmine Web application will be tested on latest versions of Chrome and IE

**1.3 Functionalities and tests out of scope**

* All the features that are not under My account module
* Non-functional testing like stress, performance is beyond scope of this project
* No QA support for mobile applications developed, only web applications will be tested
* Automation testing is beyond scope.

1. **Test process**
   1. **Test planning**

|  |  |
| --- | --- |
| **Roles** | **Responsabilities** |
| Andrada - Tester | will test: all features from My account module  -Information  -Email notifications  -Email address  -Preferences  -Password |

**Entry criteria:**

* smoke test passed (being the most basic type of test, this is a very important entry criteria in the process of testing)
* testing environment is up and running
* roles needed for the project are allocated
* functional specifications are defined

**Exit criteria:**

* - 100% tests from Functional testing were executed and 58.33% are passed
* - 100% tests from GUI testing were executed and 80% are passed
* - some Critical issues have Open status
* - update tests are 100% passed
* - exploratory testing was performed on My account module

**Risks:**

* stability risks (crashes, disconnects, etc)
* IE browser might have performance issues
* the web page pagination could be impacted when opened on mobile devices
* stress conditions might impact the web application
* new browser might not be supported

**2.2 Test analysis**

* Analyze the business requirements to make sure that we have all the details for creating the test conditions
* Write test conditions
* we plan on running a full regression test on the current version

**2.3 Test design**

* all the test cases are written and reviewed
* All test cases will be created in Jira as test management tool

**2.4 Test implementation**

* all the test data is available and reviewed (an account with Admin Role was created)
* this test run includes only regression testing in which we will run tests that have the highest priority, this will be main priority
* Test suites are created (Cycle Summary was created)

**2.5 Test execution**

* the tests will be executed on the following browsers: Chrome and IE if time will be available we will extend tests on Mozilla and Brave browsers
* Bugs will be created based on the failed test cases
* The full regression testing will be done after new application changes
* Retesting will be done after a bug is fixed

**2.6 Test closure**

* 100% tests were executed and 90% of them are passed
* no Critical issues have Open status

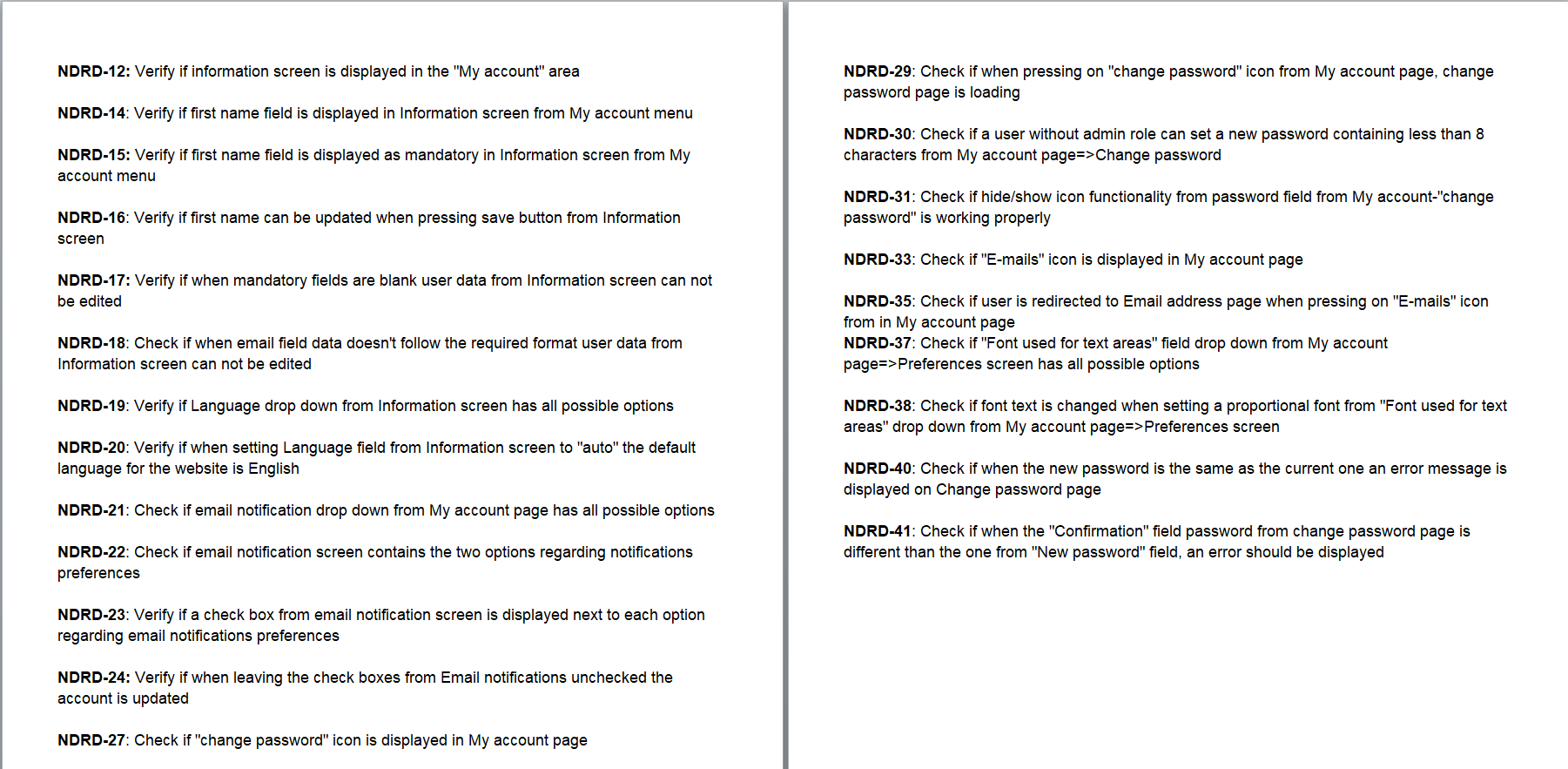
**2.7 Test monitoring and control**

* Various periodic reports will be generated to reflect the current status of testing process, in case of major problems control measures could be taken.

**3 Test deliverables**

**3.1** **Test plan**

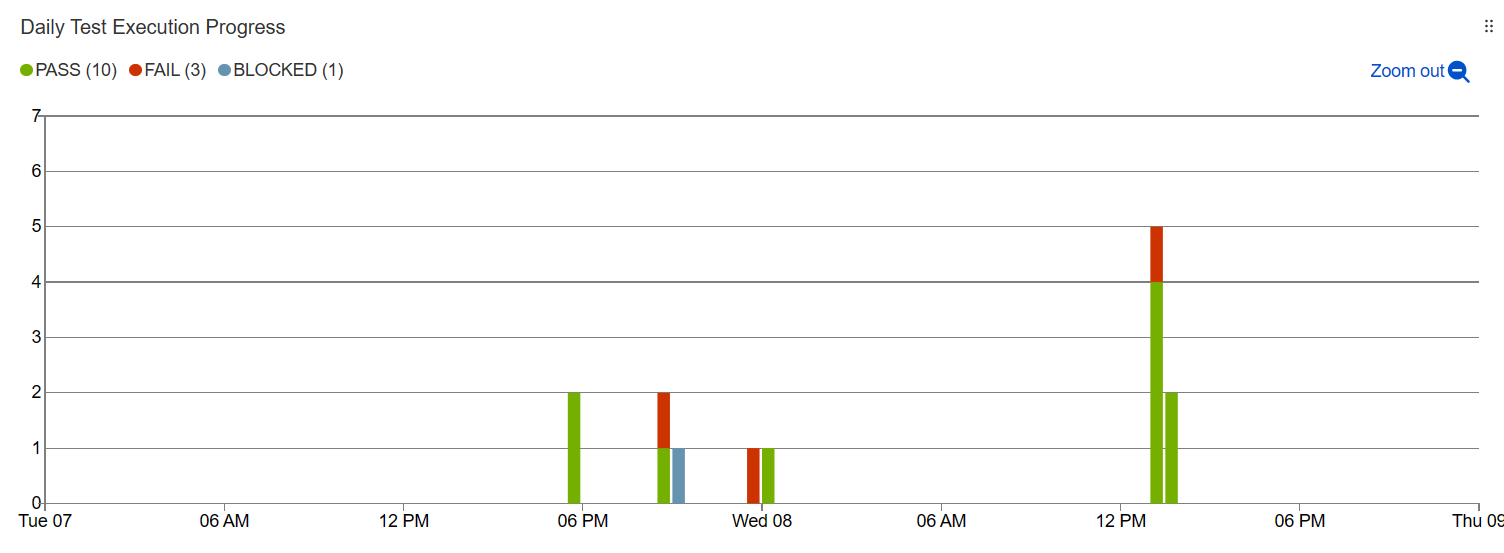
**3.2 Test conditions**   
 - we will use prod environment  
 - testing using new accounts and older account is necessary

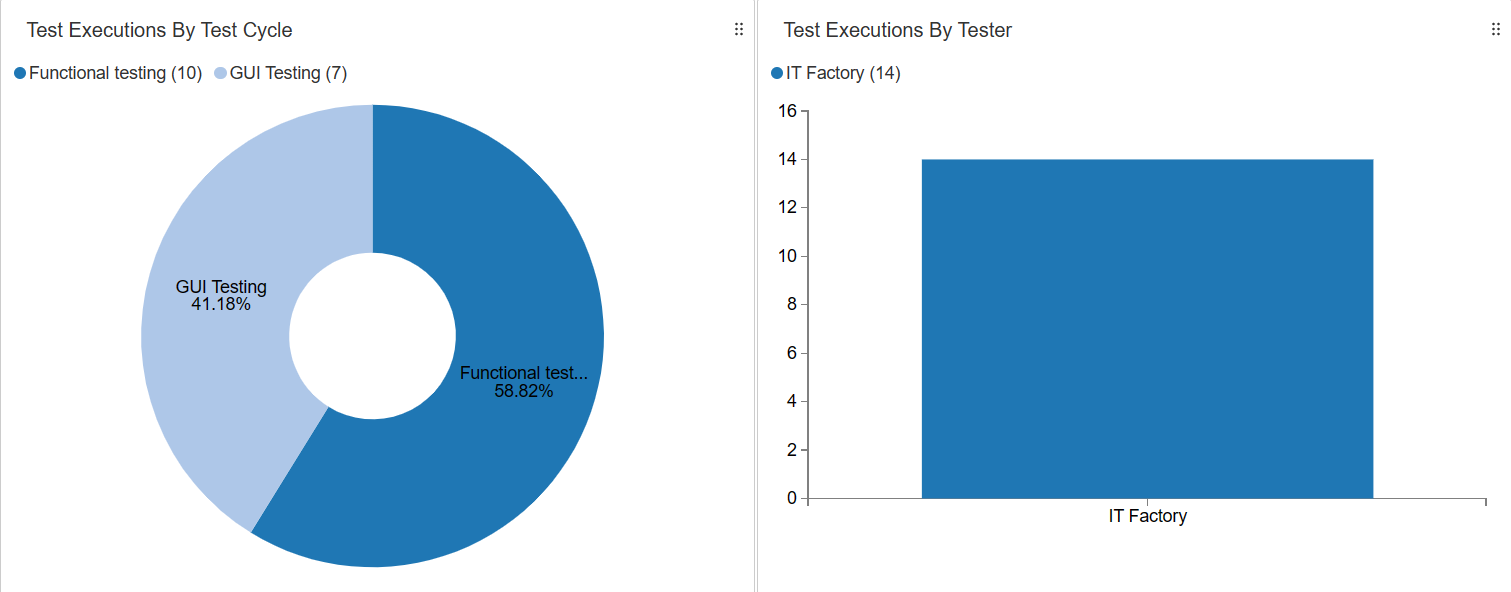


**3.3 Test cases**  
<AllTestCases.pdf>

**3.4 Daily test summary report**

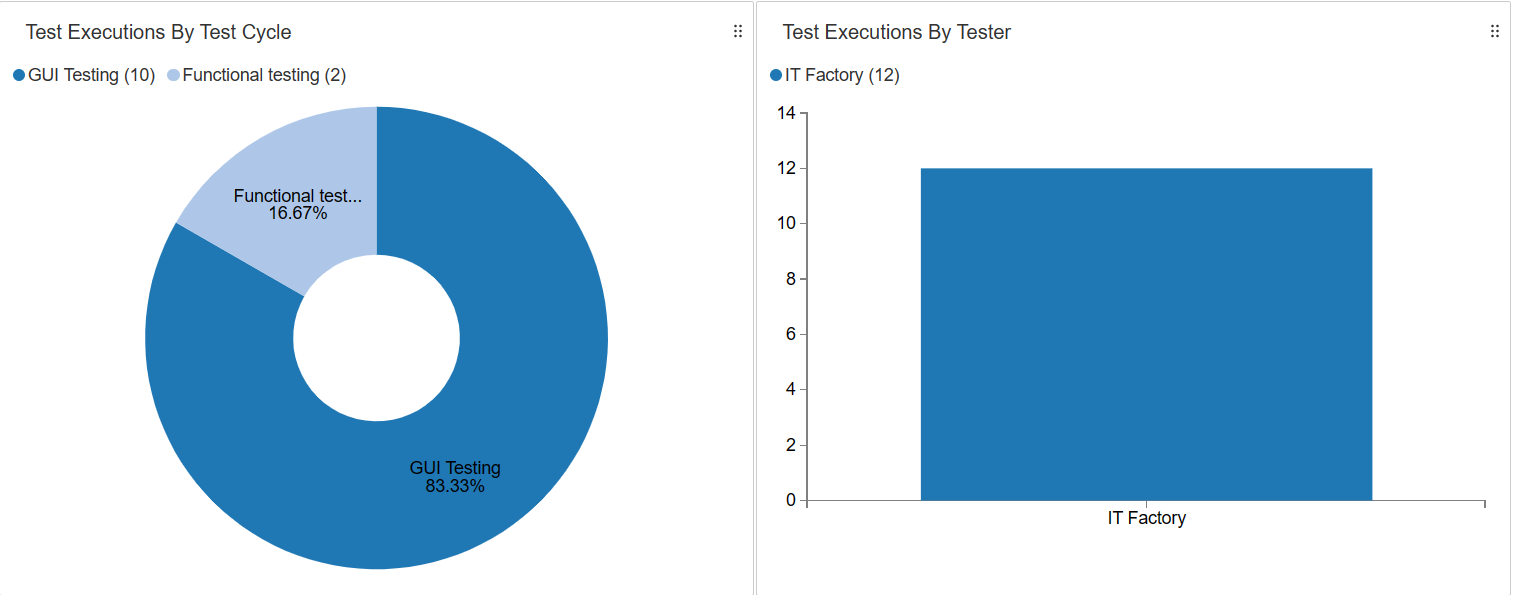
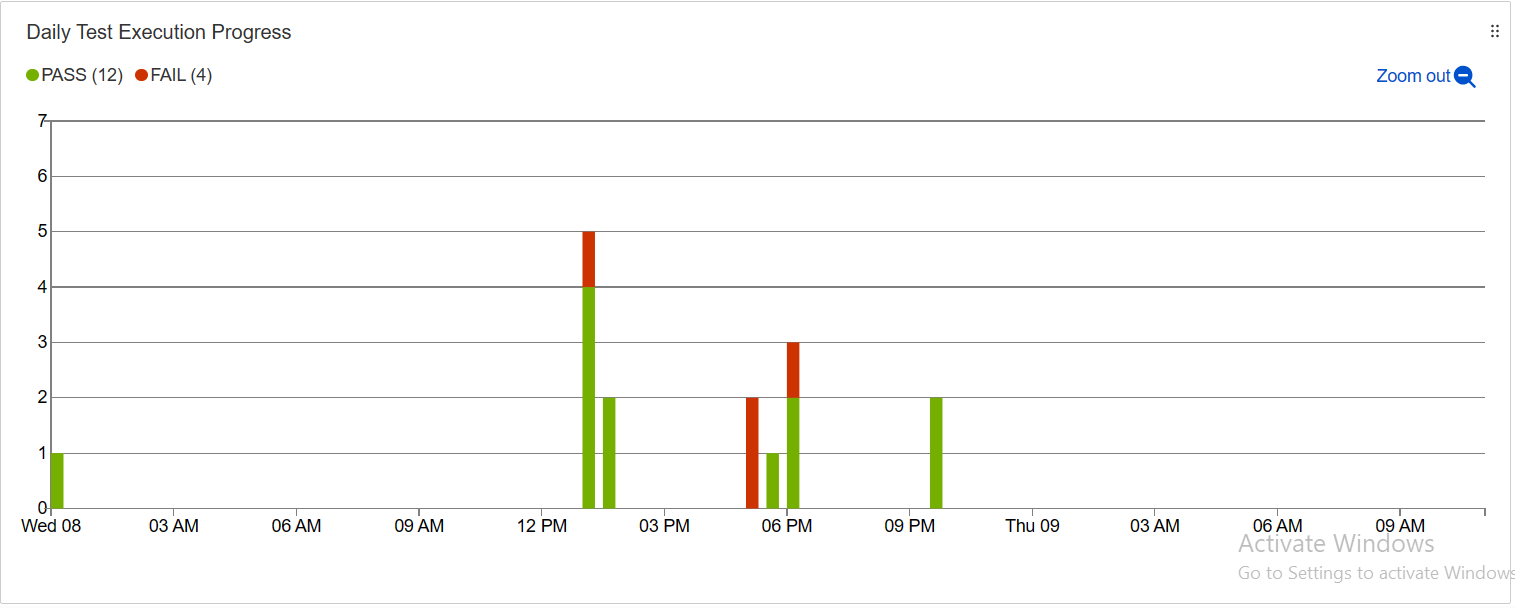
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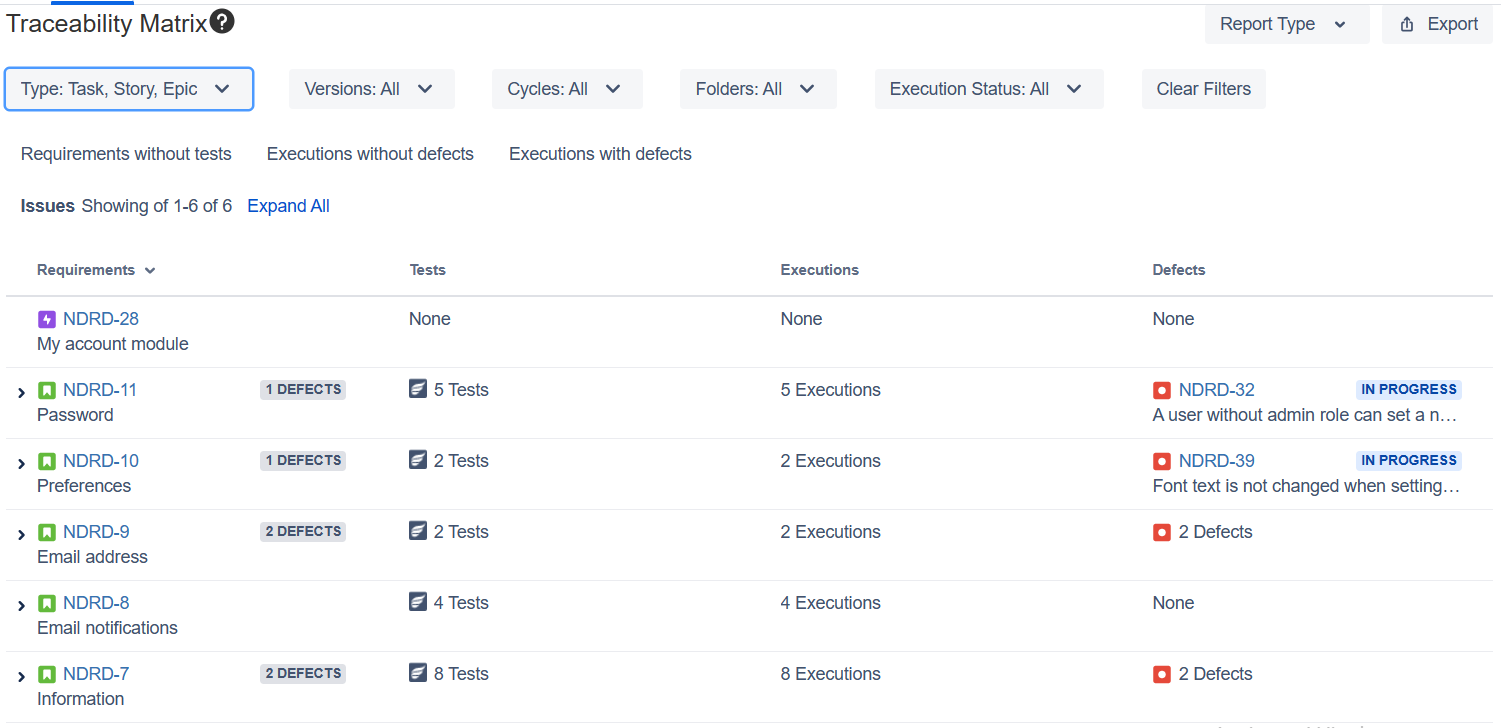


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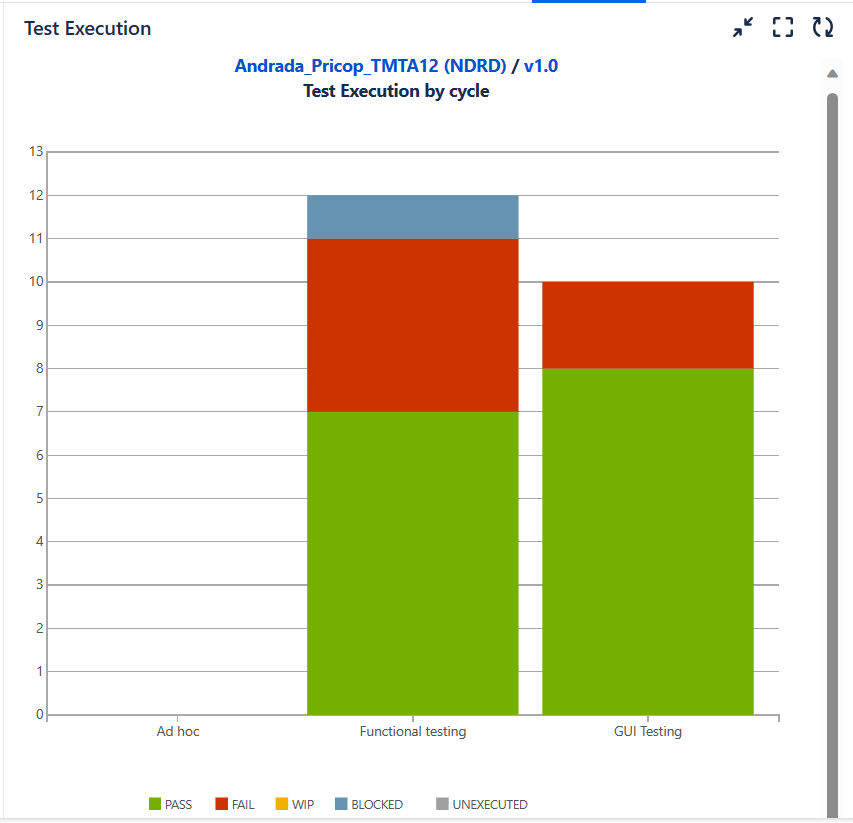
**3.5 Traceability matrix**



**3.6 Test case results**  
[link to test case results](TestCaseResults.pdf)

**3.7 Bugs report**  
[link to bugs report](BugsReport.pdf)

**3.8 Test completion report**



**3.9 Schedule**  
 - we have 3 days of testing  
 - we have 22 test cases   
 - in order to finish the regression run we would need to run an ~ of 7 tests/day