

Non Functional Requirements Testing Plan

This document outlines the tests we undertook in order to test the non functional requirements of the system which we were able to devise tests for (some were unable to be tested as they relate to documentation (NFR_DOCUMENTATION), or usability by those with accessibility issues, which we were unable to test for at this time.

NFR: NFR_AVAILABILITY

“The system shall be highly available”

It is hard to test this requirement completely, however to recreate the experience of running the game on an open day, we will run the .JAR file on multiple different machines to ensure that it will be available to users on whichever machine is chosen on the open day.

Additionally, we will leave the game running for a while, and thoroughly play through the different modes and menu options to ensure that these do not affect availability.

Results: from the recreation of the open day environment, the system remained available and running as normal the entire time.

NFR: NFR_OPERABILITY

“The system shall be operable by customers that have no previous experience with the game”

In order to test this, we will each find someone, a friend or colleague, without any experience of our game or any similar projects (so therefore ideally someone who does not study computer science) to play our game. We will then ask for their feedback on how easy they found the game to learn and play.

Results: 4 people individually played and tested our game without any previous experience. They said that it was easy enough to pick up, especially after reading through the tutorial, however it was said that the game would perhaps be easier to understand if there were more textual or visual aids in the game itself. Overall, we believe that from this test we can conclude that this NFR has been met.

NFR: NFR_USABILITY

“The game shall contain no technical jargon”

To test this NFR, we will systematically check through all text within the code that may be displayed to users, in textboxes and on menus etc, to ensure that they are simple and without technical jargon relating to development.

Results: we were very conscious to avoid this when we continued development, and as a result we found no such incidences which would require editing. Thus, this NFR has been passed.