

NEWS PHONE APPLICATION

Test Results

COP 4331 Section 1
Fall 2010

GROUP 8

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TEST RESULTS

Modification history:

Version	Date	Who	Comment
v1.0	09/20/10	Stephen Rodriguez	Initial test plan created
V2.0	11/28/10	Stephen Rodriguez	Test Results

1 Introduction

1.1 Overall Objective for Software Test Activity

- The objective for the Software Test Activity is to ensure that the mobile application meets all of the standards of the client, as well as ensuring the software runs without any errors.
- The software test effort should be able to catch any bugs in the application. By catching the errors in the test effort, it will ensure that application of the highest quality will be delivered to the client.

1.2 Reference Documents

- Concept of Operations
- Project Management Plan
- Software Requirements Specification

2 Description of Test Environment

The hardware that will be used to test the mobile application will be a mobile phone running at least the Android 1.6 operating system. Also, when developing the software, an Android simulator will be used. The testers will include both the developers of the software and users who have never used the application before. The application will be tested on multiple phones running different versions of the Android operating system.

3 Overall Stopping Criteria

Testing will continue until a fatal error has been reached. All of the errors prior to the fatal one will be recorded. The list of errors will then be replicated and corrected, including the fatal error.

Once no errors are found during a test run, the software will be thoroughly tested by each team member to provide a sufficient amount of test cases for the error-free software.

A product that is considered “good enough to deliver” is a product in which there are no known errors in the cosmetics and the software.

4 Description of Individual Test Cases

Test Objective	Test Description	Test Conditions	Expected Results
The ability to connect to the website.	The user will run the application	Running the application to ensure the user is testing in a new session	The application will boot up completely in a sufficient amount of time.
The ability to select one of the five main sections; US, World, Money, Entertainment and Sports.	The user has the option to select each of the 5 news sections	Running the application to ensure the user is testing in a new session	The application will be able to load each section successfully.

Test Objective	Test Description	Test Conditions	Expected Results
The ability to have a “show more” button.	The user will be shown 5 articles per section. If the user wants to read the rest of the stories, he/she will be able to select a “show more” button and the full story will be shown	Running the application to ensure the user is testing in a new session	When the user selects the “show more” button, a longer list of articles show.
The ability to read an article	The user selects an article desired to read	Running the application to ensure the user is testing in a new session	The user is able to read the article with the use of the application.
The ability to jump between News Sections from within the Article lists	When the menu button is selected, the user has the ability to select a different section besides the section he/she is in	Running the application to ensure the user is testing in a new session	The user is able to switch between sections without going back to the main menu
The ability to long-click the article to get the Article’s options menu	When the user selects and holds the selected article, the Article’s options menu appears	Running the application to ensure the user is testing in a new session	The user is able to view the Article’s options menu by a long-click
The ability to mark an article as read	When an article has not been read, the article title’s font is in blue	Running the application to ensure the user is testing in a new session	The user knows the article has not been read, when the article title’s font is in blue
The ability to mark an article as unread	When the article has been read, the article title’s font becomes purple	Running the application to ensure the user is testing in a new session	The user knows the article has been read, when the article title’s font is in purple
The ability to receive an error message if the device does not have internet access	When the user is until to gain internet access, an error message appears to let the user know of the lack of internet accessibility	Running the application to ensure the user is testing in a new session	An error message is displayed informing the user about lack of internet connection
The ability to refresh the article lists	The user is able to refresh the article to ensure update articles are available	Running the application to ensure the user is testing in a new session	The application has the most up to date article available for the user

5 Test Results

Test	Tester	Date tested	Test environment	Test Result
The ability to connect to the website.	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successful connection to the website.
The ability to select one of the five main sections; US, World, Money, Entertainment and Sports.	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successful ability to select one of the main sections.
The ability to have a “show more” button.	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully about to view more articles upon request
The ability to read an	Andy Harmic,	11/28/10	Android Emulator, Version 1.6	Successfully loaded an

Test	Tester	Date tested	Test environment	Test Result
article	Stephen Rodriguez and Tyler Zaino		firmware and Version 2.2 firmware.	article for the user to read.
The ability to jump between News Sections from within the Article lists	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully able to switch between sections
The ability to long-click the article to get the Article's options menu	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully able to obtain the article's option menu after a long-click
The ability to mark an article as read	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully marks read articles
The ability to mark an article as unread	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully marks unread articles.
The ability to receive an error message if the device does not have internet access	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	An error successfully displays when the device does not have internet access.
The ability to refresh the article lists	Andy Harmic, Stephen Rodriguez and Tyler Zaino	11/28/10	Android Emulator, Version 1.6 firmware and Version 2.2 firmware.	Successfully able to refresh the article lists

6 Conclusion

Once our code was written, we were able to successfully use the application. The application itself works wonderfully. The only problems in testing was the use of the 1.6 firmware, it sometime suffered "force close" messages and was a little bit slower loading the application/articles. We believe this may be due to the older and slower software available to the phones and not a problem in our application. However, other than speed, the application seemed to work excellent for the android phones.