Review of MMSG1 by Watchdog

Brief

The purpose of this review is to test the functionality and report any suggestions or improvements to the MMSG1 team.

Runtime

By running the Android app, there are three options presented to the user:

1. A red play button, which implies to the user that it will lead to playback of some sort
   - Choosing this option changes the screen to a browser pre-defined to www.google.com and a “Get Data” button. Proceeding to press this button retrieves all the code for Google’s mobile page. Trying to enter an image’s URL yields simply a blank page with the word “FAIL”
   - I am unsure if this is the intended design and functionality. I assume that this is meant to be an image playback browser to view past images taken, however the browser seems to be operating in a text-only mode. Does MMSG1 plan on creating a web page that will serve as the archived image browser?

2. An orange “Catch-A-Criminal” button
   - Choosing this option yields a screen with “Querying Server” displayed on the screen for a few seconds, and then changing to “Armed”, with Option 1 (the red play button) in the middle of the screen. However, the button does not do anything.

3. A blue “Settings” button
   - Choosing this option yields a choice of two paths – a “Contacts” button and a “Status” button, both of which do not perform any action. They are clickable in that the color changes to yellow. However, there is no page that loads after clicking either.

Other Notes

- Is there a reason for the password being 6790? It would be good to have it set to something easy to remember or easily usable (i.e., 0000), and maybe an option to change the password
- Pressing the Back button on the “Armed” screen goes to the Android Menu screen. It should theoretically go back to the main page for your application.

Update: 4/28/09
- This new build has some improvements. The play button now shows (or is intended to, rather) the most current image in a full screen view. However, there is no back button on the screen, so it relies on the user pressing the back button on the phone.
- The Catch-A-Criminal button now crashes. It displays an error message stating that it has unexpectedly stopped and needs to be closed forcefully.
- The Settings button remains the same.
- The login window now requires that you enter in a username and a password, instead of just a password.

Other Notes

- Upon checking out their project via SVN, it would not compile and it had errors. Johnson sent me a .APK to install manually to test for the front end functionality.
- Gary wanted me to test the backend with the RMSE and mySQL database. There was a separate directory of .java files to use and a readme. However the instructions were not very clear. I was able to log in to their myPHPAdmin, and was able to eventually understand and get their backend working. However, I encountered the following error.

```
MySQL Connection Successful!
Image Path Retrieved Successfully!
Image Path Retrieved Successfully!
..\public_html\black.jpg
..\public_html\grayscale1.jpg
javax.imageio.IIOException: Can't read input file!
    at javax.imageio.ImageIO.read(Unknown Source)
    at rmse.rmse_test(rmse.java:25)
    at SQLMan.main(SQLMan.java:20)
..\public_html\grayscale1.jpg
-1.0
```

In reviewing the code with the User Cases, the only one that works currently is the “Password Entry” case, which also does not match correctly with the description, as the description is a four digit password, whereas the team has extended the functionality to a username and login screen.