**Documentation**

I contributed to several core areas of the CSUSB mobile application including:

* Coding for the functionality of Coyote Radio in the file index.php, which points to the site media3.csusb.edu
* Button design for the Coyote Radio app, in the folder trunk/Webview/img
* Help with the design for the current Ipad/ tablet layout including the Coyote Radio button design and header/ background design along with the help from Matt and Cory. The header was modified and is stored in the folder trunk/Webview/ipad\_icons. The Ipad/ tablet modifications included the removal of several redundant page breaks and empty div sections as well as unmatched terminating brackets and braces.
* Coding the php for the Evacuation page in the Emergency Operations portion of the CSUSB Mobile app and harvesting the Evacuation icon from the given pdf for the Emergency Operation manual
* Where applicable all code added was internally documented to clarify what its role was toward improving the functionality of the iteration of CSUSB Mobile 2.x

**Unit Testing**

Unit testing was performed on an ad hoc de novo basis, for each of the above described elements of CSUSB Mobile 2.x. This includes in browser testing using multiple internet browsers, and smart phone/ tablet environment emulation by implementing Eclipse with Android SDK, Windows SDK, and iOS SDKs.

**Design improvements**

Current:

* Coyote Radio added to allowing streaming of campus radio through native smartphone player (environment independent).
* Ipad homescreen background/ layout including separation of the background from the “header” to create separate portions of the page.
* Removal of redundant page breaks, brackets, etc.
* Php for Evacuation Page in Emergency Operations manual and cropping of the icon for this section from pdf.

Future:

* Security features don’t seem to be a concern currently because no personal information is being shared between the application and the web. The possibility of malicious attacks ever looms, and it is suggested that future revisions to CSUSB consider this.
* For continued functionality, it is necessary for continued support and monitoring of hard coded web links to Coyote Radio, and other like portions of CSUSB mobile and it dependencies.