



**D3.1 - Project Group 15**  
**CS 386**  
**Spring 2017**  
**Marco Gerosa**

**Authors:** Itreau Bigsby, Corban Stevens, Christopher Simcox, Nathan Payton- McCauslin

**GitHub Link:** <https://github.com/cds327/BAL-Calculator.git>

**Deliverable Information:**

For this deliverable we used android studio in order to make the prototype for this app. Using this we are able to use an emulator in order to test our code to make sure that it will work. Using this we are also able to make an app that could be directly downloaded onto an android device and run from there. For this application we did not really adopt any technologies that we did not create; however we did find the formula for calculating blood alcohol level from multiple sites on the internet. The only thing that seems to be different from site to site was the gender constant. In order to solve this problem of having multiple gender constants we decided to take the average of the gender constants that we found and round down in order to give us an accurate reading of a person's BAL.

**How to Run Deliverable:**

Clone deliverable into a folder inside the AndroidStudioProjects folder for the Android Studio application and then when you start up the Android Studio application you will be able to select the green play button at the top and it will run on an emulator to show the progress.

**Group Responsibilities:**

Christopher Simcox: Coding and project write up format  
Corban Stevens: Project write up content  
Itreau Bigsby: UI interface content  
Nathan Payton-McCauslin: Base Android Studio Project