**Digital Trinity Labs**

***Work Plan for the BikeChain Application***

**The Proposal**

We are building an application on both the Android and IOS system that will function as a waitlist watcher for a user who is waiting for their turn for a drop-in service. The application for both systems will be completed by June 18th, and a prototype on the Android system will be completed and presented during the third week of development.

**Application Functionality**

The user will be required to enter their name and will be given information about the number of people in front of them (before their turn arrives). The user will receive a notification once there is one person left in front of them on the waitlist. The user will also receive a notification once it is their turn. The application’s interface will display a five minute countdown timer, before which they must arrive at BikeChain’s workshop in order to get their turn.

**Timeline of Work**

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| Week | Description of Work |
| Week 1: May 21st – May 28th | This week we will set up the interface of the application. We will set up one screen where the user inputs their name and another where the user is provided the number of people in front of them, or a countdown timer if it is their turn. |
| Week 2: May 28th – June 4th | This week we will connect the different interfaces together through code and implement access to a Google Drive file through the use of Google Drive APIs provided by Google. The file will be used to count the number of names in the waitlist before the name entered when the application is first opened (presumably the user’s name). |
| Week 3: June 4th – June 11th | Develop, test, and showcase a prototype for the application in an Android system.  Make changes based on input from users after viewing the prototype. |
| Week 4: June 11th – June 18th | Implement the application for use by BikeChain users by accessing BikeChain’s waitlist on Google Drive and testing the application on both the Android and IOS system. |