**Texas Tech University**

**Computer Science Department - Software Engineering II**

**Team-based Project: Release # 3**

We have identified the following two features as services:

1. Login
2. Register

We basically implemented our change in two of the classes: LoginFragment and SignUpFragment. We had used Firebase in the previous release to help user create the account and login to our application. For this release, we changed our focus from Firebase to the Restful web services. We created the database in phpMyAdmin and Restful web service in Eclipse which could not be pushed into the GitHub repository because we were working on the Android Studio. We connected the Database and the web service in Android Studio through Android Asynchronous Http Client in our LoginFragment and SignUpFragment class. The changes made in the Android Studio are pushed in the GitHub repository.

The contributions of each teammate are as follows:

1. Roshan Dhamala:

Roshan installed the phpMyAdmin application to create the MySQL Database. He created the database named users and added the table in it. He also helped with created Database class in Eclipse to perform the Database operations like Opening Database connection, Inserting records and selecting the records from the table that he created in phpMyAdmin.

1. Santosh Shrestha

Santosh helped with setting up the Jersey Framework to design the Restful webservice for our android application. He used Eclipse in order to create the service. He created the REST resource class LoginFragment to authenticate the Users by getting the user credentials sent from BloodMe through HTTP.

1. Rupak Kadel

Rupak worked with BloodMe application in Android Studio and changed the way of authenticating users from our previous release. He deleted the Firebase Authentication that we used in the previous release and added Android Asynchronous Http Client in the application to connect with the web service through the IP address in the AsyncHttp Get method.

1. Nikesh Prajapati

Nikesh collaborated with Santosh to create the meaningful Restful webservice in Eclipse. He created another REST resource class SignUpFragment to register the users. User details are sent from BloodMe and they are inserted to our Database that Santosh created after performing necessary checks.

1. Sujan Bhattarai

Sujan installed the Chrome Advanced REST client extension to test the Restful web service that was created in Eclipse. He added the request headers and request parameters and changed the HTTP method by providing the Rest URL. He helped with testing and running the Android application after applying all changes.