**Database and work breakdown:**

We are using google firebase database for our Android Application. Since the firebase is under my (Piyush’s) account, I will be handling most of the database and application (debugging, syncing, etc.) related problems.

Tables in the database will include history of commands for different users, list of users and details of instruction page. The ActionListener of every button and activity would also be handled by me.

Apart from the Firebase database, I am also researching on the other database that could be added to the project. Mainly, Tunde is working on research work of adding more functionality in the application and addition to database.

Database part should be achieved by me before end of **March 12**.

**Application and work breakdown:**

Tunde is working on adding more features to the application. We still have to make Settings and History layout of our application which will be accomplished by him. GUI of the application is under Tunde’s hand.

Addition of landscape layout and compatibility of android application on most of the devices is in progress. I am helping Tunde in the research work on how to handle Android application on all devices.

Apart from the text to speech and speech to text functionality, user will be provided with a different page for Alexa. That page will recognize all the commands and give feedback accordingly and modification in layout. Therefore, most part of the application is going to led by Tunde.

Application part should be achieved by Tunde before end of **March 12**

**Web and work breakdown:**

Connecting the application with Raspberry Pi is a challenge and we have distributed the work equally among both of us. Firstly, we will do individual research and then group research on it. I am working towards the connection of database to the Raspberry Pi and Tunde is going to work on adding functionality to our hardware like changing scripts and adding more commands to the Alexa.

The most important part of the project i.e. Integration of application and hardware is led by both of us so, we are planning to maintain two different GitHub accounts for future purpose and will be updating them according to our progress.

We are also planning to add the backup raspberry Pi to the Project due to same hardware project last semester and Tunde will be working on that.

We have also uploaded the android application on play store that includes basic functionality.