

For our project, we have a 6-developer group which divided into two teams: one front-end team and one back-end team. The project is an Android application called BestPrice.

The main feature of the application is to give our user the ability to find the price for a product in different stores and make comparison.

Once the user opens the application, the main page will introduce different categories of the product in a table and all available stores as a vertical scroll area. This will give our user the ability to browse products by store and category. There will be a "scan" button in the bottom right area. After user click on the "scan" button, the scanning page will show up and user will be able to scan the barcode of the product.

After scanning, the data will be passed to database and a searching activity will be processed. If the product exists in the database, and if the product exists in a store, product's price will be displayed and followed by the name of the store, if it does not exist in the specific store, an "add item" button will be displayed at the price area and followed with the name of the store. If not, the "add item" page will show up.

Users can use the location service of the phone and our app will give a recommended store. But users still can switch to another store as he wants. Our application will have an algorithm to calculate the recommended store to fulfill our user's satisfaction.

The whole project has been divided into two main parts, the Android side and the database side, which have been assigned to two teams, and the big parts have been divided into small activities. We will use Trello for assigning task and process control.

The whole project is undergoing, since some of our developers are not familiar with the technologies we used in project, learning process will take time and every team member will be able to learn new technologies and get familiar with software development process.