King's College London

MSc Individual Project (7CCSMPRJ)

Second MSc Project Progress Report

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Summary

The scope of this report is to provide an update on the MSc Final Project progress in the reporting period June 23rd 2017 - July 28th 2017. The development phase of the project has continued from the point described in the First MSc Project Progress Report. The project is slightly behind the schedule described in the initial Gantt chart due to development setbacks. However, this does not pose any threat to the completion of the project on time.

Development

The next step in the development phase has been to create the customizable map of vendors based upon dynamic data and filtering. Thus, the map will show only the locations which are in a 5-mile radius. The selection and checkout of a product from a specific vendor creates a special code that needs to be presented in the established time interval. In order to aid the customer, the app offers directions to the location either by launching Google Maps focused on the destination, or by using augmented reality. The latter produced a slight setback as it took more time to implement than the allocated 2 days.

Most of the features have been added to the mobile application as well as a number of new functionalities identified during one of the analysis phases. These include viewing a list of previous product or service purchases, managing a list of favourite vendors and the development of the rating system which can be used for sorting the list of vendors.

Further adaptions for the customization system have been made by abstracting possible features. However, the automatic generation system has not yet been completed and proves to be the largest setback, the main issue being the automatic building of the apps, which proved to be quite complicated. A possible work-around would be to dynamically customize a pre-built mobile application with data from a system database stored on the server and not building the applications dynamically. However, this will be used only as a last resort.

The final step in the development phase will be to create the web platform used to gather all of the system specifications for the automatic customization. After the completion of the development phase, thorough testing will be conducted on the overall system.