Software Project Management Lab 2

SOFE3490U

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UberRUSH

Our project idea is UberRUSH which is an extension the ride sharing Uber platform extend a delivery service for local businesses to deliver their products to customers. Our platform would extend the service of local deliveries between businesses and customers similar to the previous platforms implemented by Uber such as Uber and UberEats. Our platform aims to be a quick and reliable local delivery service which extends the current Uber ride sharing program to allow for a streamlined delivery option with an easy to use mobile application which will notify customers and businesses of deliveries. We believe this extension for the Uber platform provides a viable solution for quick local deliveries in which customers will be able to receive ordered goods quickly and at reasonable cost.

When designing the UberRUSH system, a number of objectives are needed to ensure the project will be created properly. UberRUSH needs to provide fast delivery for local businesses. A mobile app will be created to allow for users to issue and request services. The mobile app will also have a gps system that will allow drivers to know delivery routes which will minimize travel time and cost. The system will allow for drivers that are registered to be able to get notified when a delivery request from a local business is issues. The driver will be able to view the delivery route on a mapped system and choose to accept the request. Businesses as well as customers will be able to track packages on the mobile app. Businesses can rate the driver which will be added to the driver profile that will be viewable on the app.

The project objectives of the UberRUSH system are been met. The UberRUSH mobile app works on Android and IOS platforms. The system for delivery requests as well as tracking and notifications works properly. The notification system provides drivers with the necessary information about the delivery, providing pickup and delivery destinations. The gps of UberRush minimizes travel time and costs. The gps also provides tracking for businesses and customers with an accurate time of delivery. UberRUSH has a functional database that keeps track of store accounts and shipments, driver profiles with rating, as well as user account private information which is encrypted.

The UberRUSH infrastructure will be implemented using a Model-View-Controller (MVC) pattern to implement our service. It will consist of a few core components to build our service into a mobile application. The front-end or core component the user will interact with will be the mobile application of our system implemented on Android and IOS platforms. Our decisions of implementation on both of these mobile platforms is to target the majority of all mobile users within the market. The use of a GPS and Mapping system to determine delivery mapping, routes and tracking between business, driver and customer. A functional database server to store information of orders, products, history and account relationships of the drivers, businesses, and customers. The final component needed is the backend API to act as an interface and allow communication between the various components of the system. This will allow all components of the system to communicate with each other as well as data processing and the handling of user requests.