03/18/2019

Trying to come up with an app to create

Different Ideas For Software Applications:

1. Store Pickup Service

This would solve getting items faster than them being shipped to your house, or it can help when someone needs a product quick like a phone charger and it gets to your house in hours.

Uber is solving this problem but with restaurants using UberEats. There is also an app called Shipt that provides a similar service, but only for certain stores that they partner with.

03/21/2019

Develop decided upon idea further

Same Day Delivery Service App:

* User Places Order for specific items from stores online
* The driver sees order and offers to deliver it by a certain time
* Driver delivers an order to house and gets paid by the user electronically

Competition apps:

* Shipt
* Postmates
* Instacart
* Burpy

What we will do better:

All of these apps only offer items from a select number of partnered stores. We would like the user to be able to order any item, then our app will find the stores to purchase said item. Also, drivers don’t receive compensation based on time or distance, but rather a base amount + percentage of purchase so we would change this formula by compensating the driver a certain amount per mile from the store to the location of the customer.

Problems we may encounter:

* When allow users to ask for any item they might be trying to get things from multiple stores. Could be solved by adding extra fee per store
* Unsure of how payment can be transferred between the customer, company, store, and driver
* How to select drivers

MVC components:

Model (Database):

1. Account Information (Drivers and Buyers)
   1. Drivers would include login information and a log of the product purchases they have done. Each product purchase has an uploaded photo of the receipt from the purchase
   2. Buyers would need to store login information, credit card information, and purchase history log
2. The Products
   1. Store the names of the product and the price range of the product being purchased

View Layer:

1. Three different views, Login Screen, Driver view, Buyer View
   1. Login screen presents two buttons: one for Driver and one for User
   2. Driver view has a background of google maps (API), there will be a button that allows the driver to see his history of that current clock, jobs will pop up on the bottom of the map with a button that allows a driver to claim the job as his own
   3. Shopping cart where User can put items,, Estimate time of arrival, Store selector where a user can change the store and browse items

Controller Components: