Project 2 Proposal:

I want to build the Dispatch side of the transportation program using a web app. This will enable me to then build a mobile application that the driver can use to manage his/her route. The main features of this program will be:

* SQL Database to manage drivers and route information.
* Add/ delete drivers from the database.
* Add/ delete orders for pickup and delivery.
* Manually assign orders to drivers.
* Create a logic program to auto assign routes to drivers based on starting location of driver and delivery location of order.
  + Make sure logic module doesn’t overload drivers if there current route is too long.
  + Create “zones” for drivers around the city to help distribute workload.
  + Keep track of driver start times to ensure routes aren’t given to a driver that isn’t working.
* View map of order locations.
* Read PDF file and be able to send that data to the system to generate routes for testing purposes.
* Be able to update tables to indicate whether a job has been completed.

This list may not be entirely complete, more ideas may come later on in development, but the overall idea is to create an ecosystem that allows a person to manage and maintain a database for courier services.