**Anisha Jain**

**Self-Work Report**

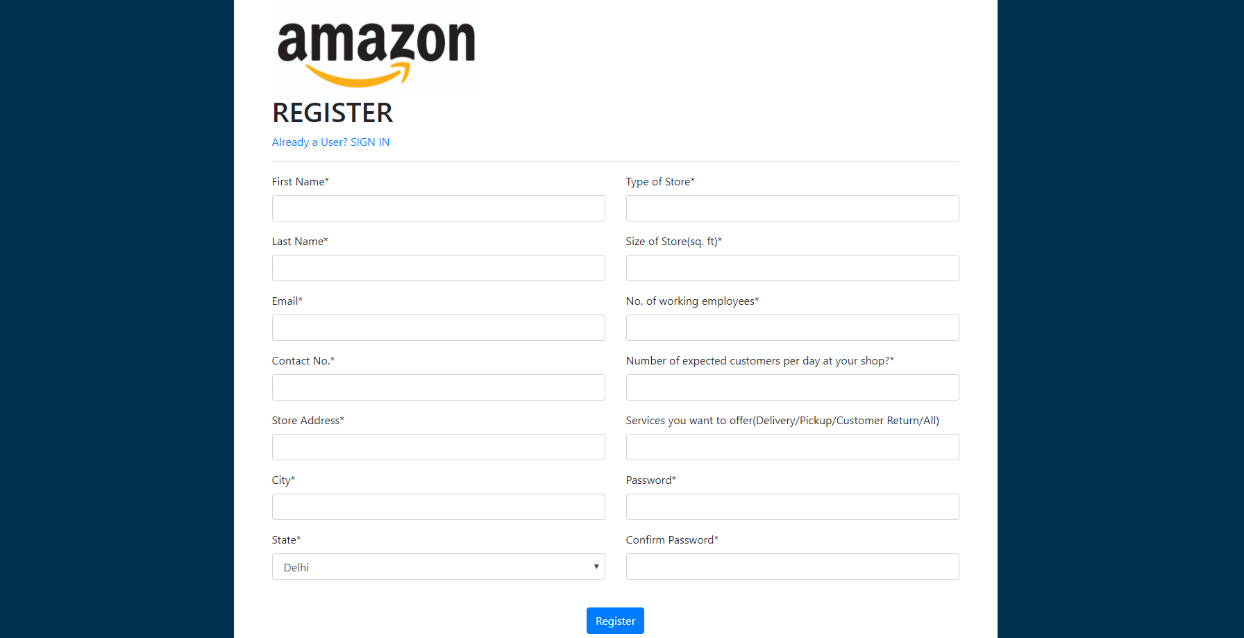
**Week 1**

**Status**

**Implemented work**

* Discussed the attributes to be used for user input.
* Read about how to implement react js forms.
* Created a single form frontend using React Js.
* Read about REST API and Django.

Single page frontend

**In Progress**

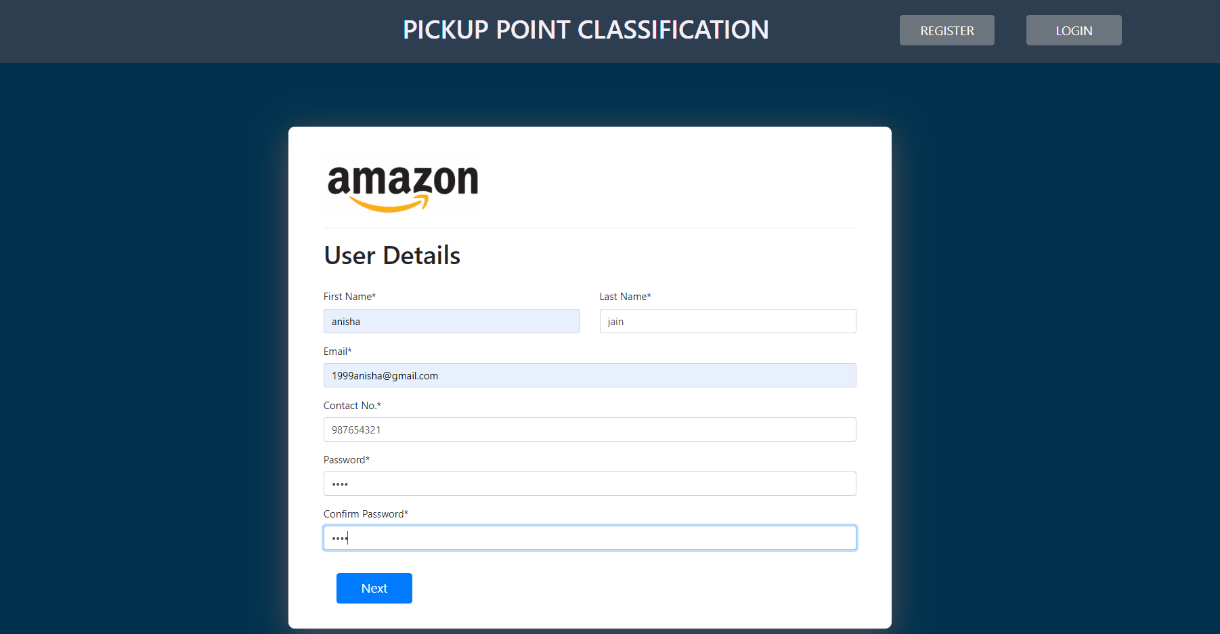
* Connection of frontend with backend for getting an end-to-end workflow

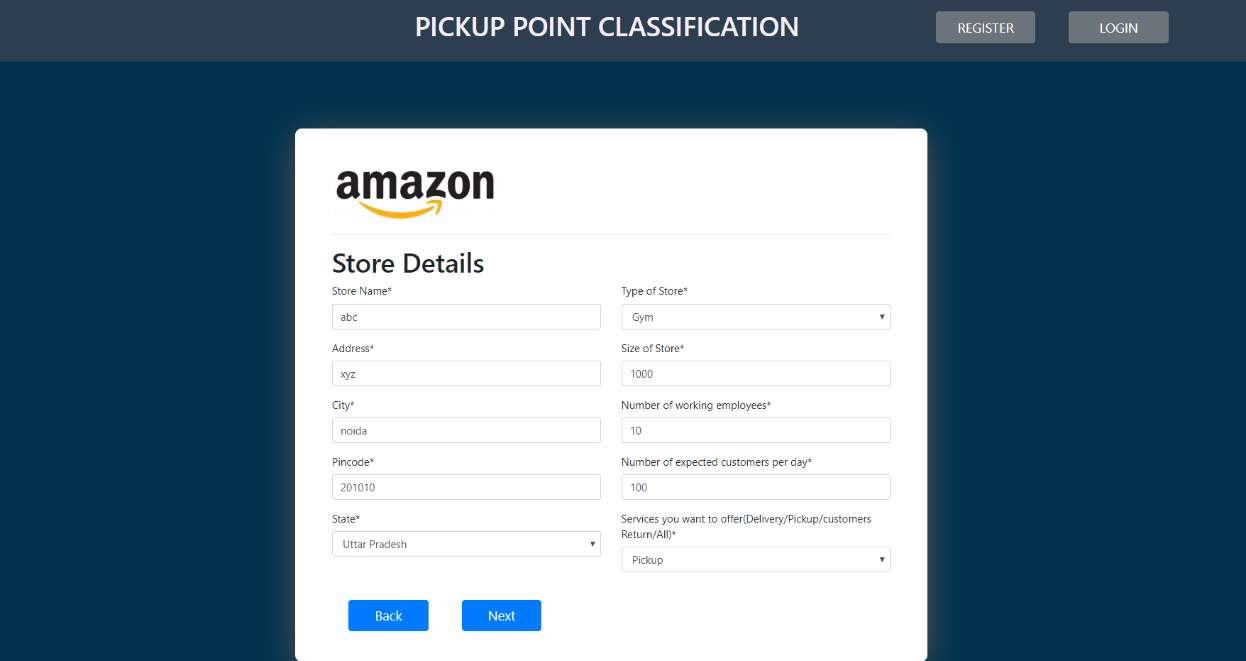
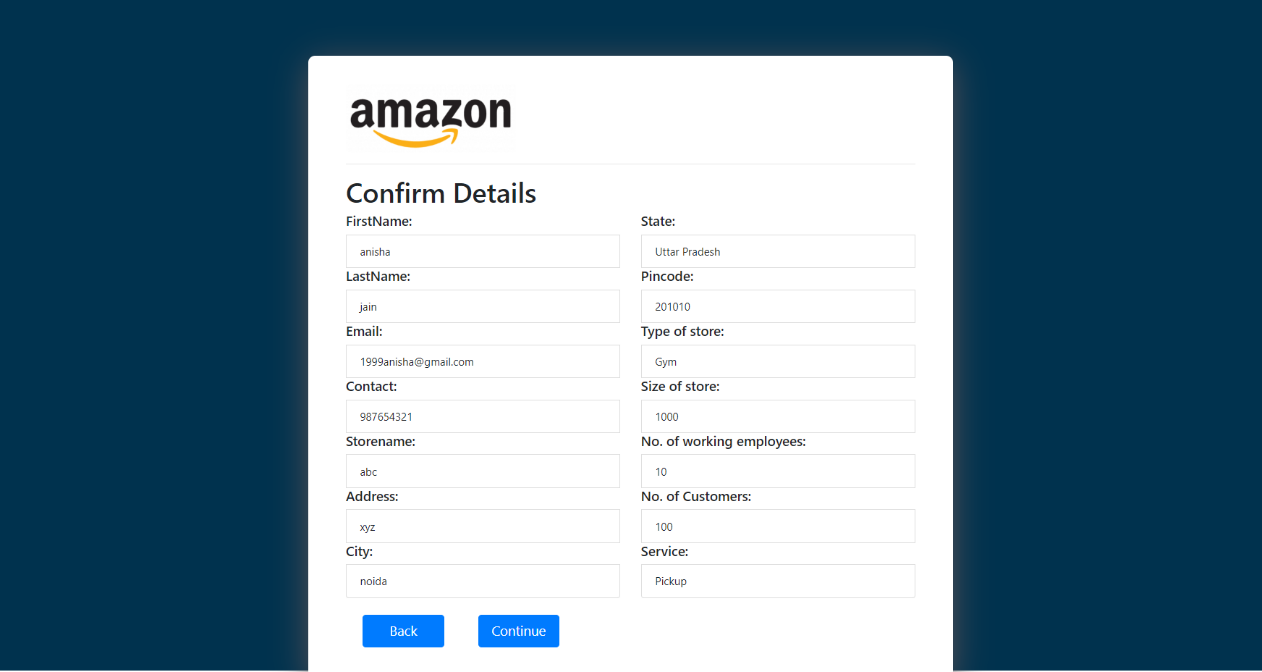
**Week 2**

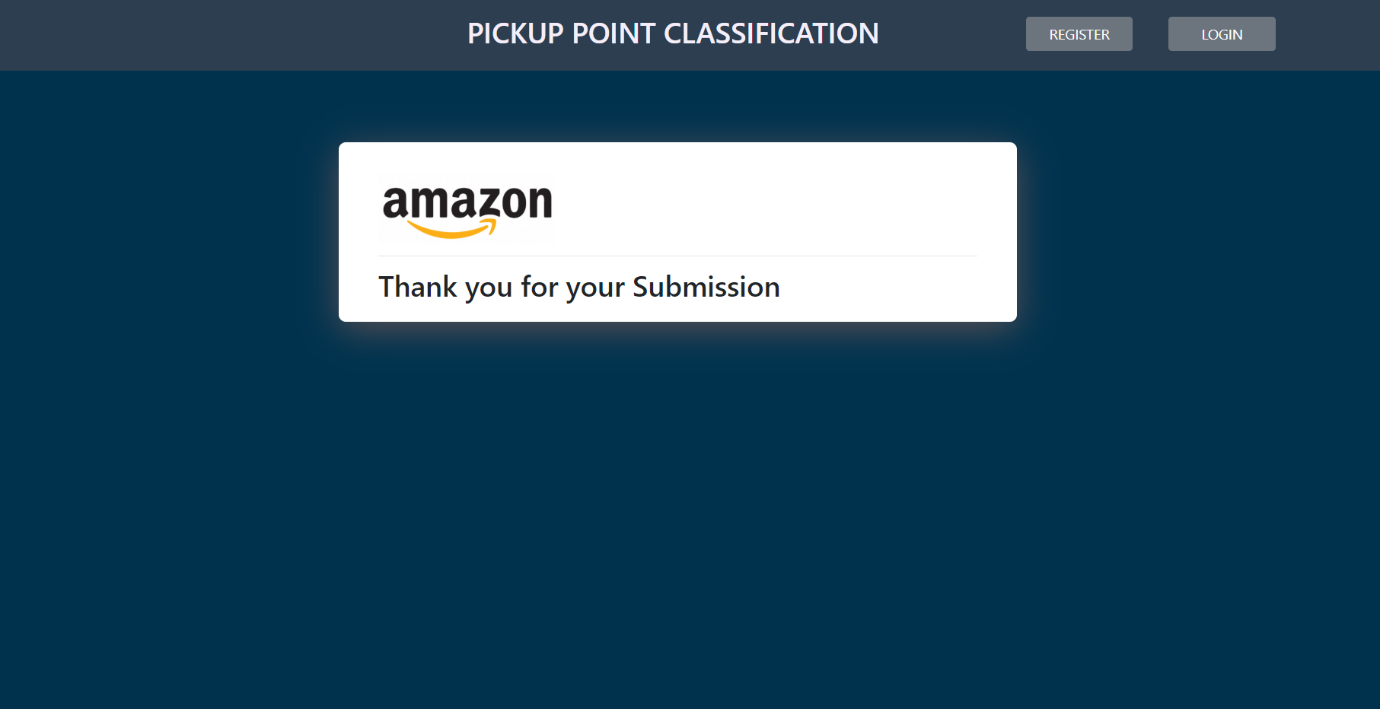
**Implemented work**

* As discussed converted the single page frontend to multipage frontend.
* Validation of multipage form.
* Discussed upon and finalized some key parameters to be used for prediction.

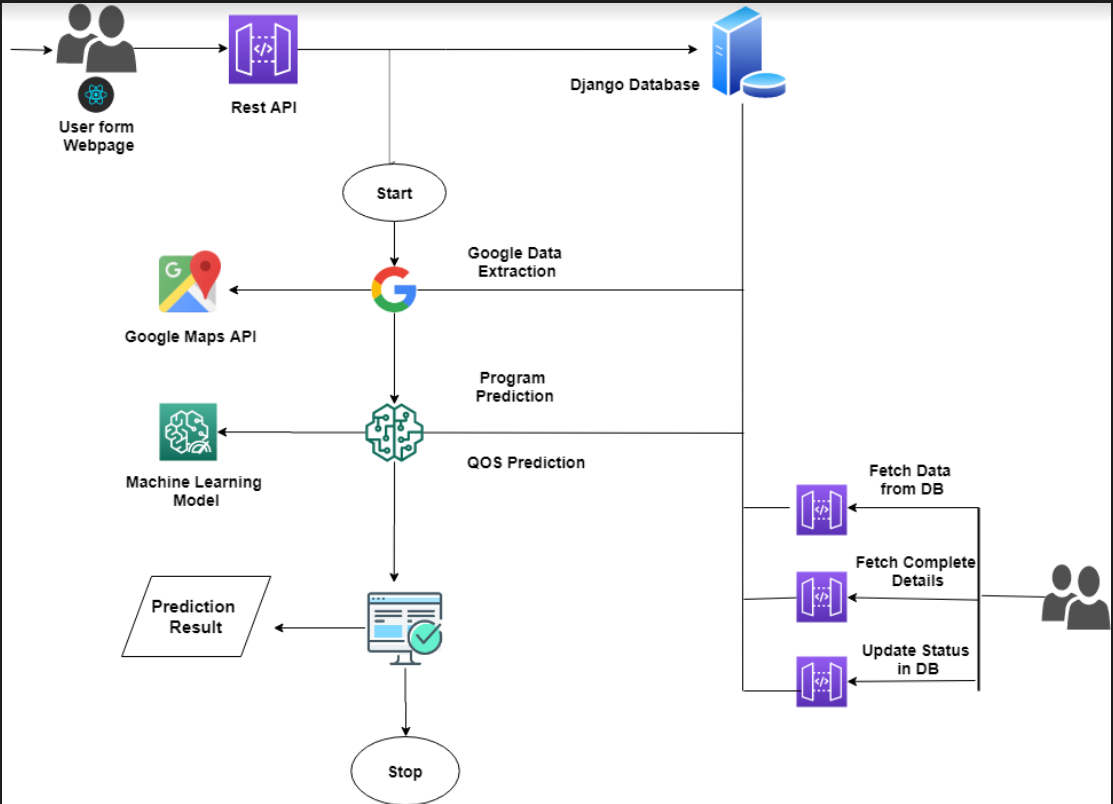
1. Number of customers visiting the shop/sq ft
2. Number of employees in a shop/sq ft
3. Area/ size of shop
4. Google rating
5. Density of that area







* Designed Low Level diagram of our project.



**Week 3**

* Read about various algorithms for multilabel classification and there implementation .
* Multiclass classification required for four programs-

1. 3P
2. Locker
3. I Have Space(HIS)
4. Helix

* Researched on the following algorithms :

1. Logistic Regression
2. XG Boost
3. Random forest
4. Naïve bayes

* Read about google maps API and how to implement it.

**References**

<https://towardsdatascience.com/logistic-regression-detailed-overview-46c4da4303bc>

<https://towardsdatascience.com/https-medium-com-vishalmorde-xgboost-algorithm-long-she-may-rein-edd9f99be63d>

<https://medium.com/@Synced/how-random-forest-algorithm-works-in-machine-learning-3c0fe15b6674>

<https://www.geeksforgeeks.org/naive-bayes-classifiers/>

**Week 4**

**Implemented Work**

* Created a Login Page.
* Read about Routing for switching between Register and Login.
* Implemented Routing between Register and login.

