***Assignment – 3***

***CSYE 6200 – Concepts of Object-Oriented Design***

1. ***Team name:*** *High Five*
2. ***Team members’ names:***
   1. *Henan Mu (002783324)*
   2. *Prachi Deepak Kunjir (002197614)*
   3. *Sai Saran Pathuri (002968508)*
   4. *Sai Siddhartha Kondamu (002961108)*
   5. *Yuxuan cheng, (002773368)*
3. ***What is the problem you plan to solve?***

* *We are planning to build an application to list down the grocery stores nearby so as to help us order fruits, vegetables and other items online. The goal is to find the stores that sell the items at a low price and help us save some money and time.*
* *When a user logs in and searches for an item that he/she would like to purchase, our goal is to fetch the details of stores that sells that particular item for the cheapest price.*
* *This way the user can get all the items for the least possible price at their doorstep.*

1. ***What is the idea to solve the problem?***

* *The features that we are planning to implement include*
  + 1. *User registration, login, access location and payment details of the user.*
    2. *Ability to place, track, and view an order. Suggest grocery stores nearby and show any available deals at store.*
    3. *In order to get the details of stores and the items they sell; we are planning to get the data using an external API.*
    4. *When a user searches for an item, we are planning to search the stores that sell that item and show the list of stores in the ascending order based on the price at which they are selling this item.*

1. ***What topics of CSYE6200 will be covered?***
   1. *Class Definition*
   2. *Inheritance/Polymorphism*
   3. *Abstract Classes/Interfaces*
   4. *Generics/Collections/Iterators*
   5. *Lists*
   6. *Set/Maps*
2. ***What tools will the team use to work on it?***
   1. *Git for version control*
   2. *Eclipse IDE*
   3. *Scene Builder for UI development*
   4. *Trello for Task Management*
   5. *MS Word for documentation*
3. ***What is your schedule of the project?***

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| ***Week*** | ***Goals for the Week*** |
| *11/06/2022* | *Finalize the idea, scope of the project, creating git repository for the project, dividing tasks on Trello, and discussing color themes, wireframes, and finalize a way to make the data persist.* |
| *11/13/2022* | *Create an initial project, folder structures and complete the functionalities for user authentication, displaying nearest stores, and deals available in a store.* |
| *11/20/2022* | *Complete the functionalities for placing an order, tracking an order, and view previously order details.* |
| *11/27/2022* | *End to end testing and adding new features if there are any.* |