INDIAN INSTITUTE OF TECHNOLOGY INDORE

B.Tech CSE MINOR PROJECT (CS 207)

Grocery Store : Problem Statement

Kumar Abhinav (160001032) | Mahesh Kumar (160001033)

Introduction:

Everyone needs food to survive. If someone wants to cook food even by themselves, they’ll first have to go to some grocery store, buy items, and then carry all that heavy load of raw materials themselves to their home. That’s where an online solution can help. All one needs to do is order everything they need for their cooking requirements online and relax till it gets delivered to their homes.

Challenges:

* To keep a record of existing users, and to allow for addition of new users, and removal of existing ones, and to maintain several of their addresses
* To maintain a catalogue of available products, and to categorize product into different types, and manufacturers
* To maintain a cart for every user (one per user), and also all the orders he has done in the past, each order having multiple products, alongside the quantity they are available in.

Features of the project, and our plan to overcome above mentioned challenges:

* We will create tables for user, address, product, category, manufacturer, order, cart, product\_order. E-R analysis is submitted along with this description.
* The above model will be modeled in the form of tables, and stored in SQL based RDBMS, preferably MariaDB.

Wish List (features to be included if time permits)

* To implement a user interface for addition, updation of products, manufacturer, etc.
* To provide discounts for bulk orders, sales, etc.