INFO 6210 Data Management and Database Design

PROJECT SUBMISSION - 1

DATABASE DESIGN FOR REUSABLE ITEMS ON E-COMMERCE PLATFORM

TEAM DETAILS:

Team Name : Thrift Green

Team Members :

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Introduction:

Items such as furniture, clothes, footwear, containers and cans have increasingly been thrown away even when they can be reused. There is a need for an online system where all these records can be stored, that can be used again by the customers who are willing to buy them at a cheaper rate.

Problem statement:

- Currently, most users don't have access to an online local store for used items. The buyer usually goes to a local thrift store if they want to look for used/2nd-hand items.
- Other online platforms usually are too general (like Amazon) with too much information or lack severe security/payment options (like Craigslist).
- The site is post-oriented instead of item-oriented (ie, you cannot search based on item filter, see item quantities, etc)
- Users cannot see the buyer/seller information (including selling posts, review, and other things) so mostly it is anonymous.

- Users cannot make an online payment and get the post updated automatically. They will either need to remove/update the post themselves.

Objectives:

To design a database for reusable items which should have the following features:

- Users must be able to register by entering their details namely username, password, phone number, and email.
- System must be able to store all the details of the users and the used/2nd-hand items.
- Users must be able to login using their username and password.
- Users must be able to add and update the details of the items.
- Users must be able to view the details of the items and sellers.
- Users must be able to make a deal for the reusable items.
- Users must be able to view the details of the ordered items for payment purposes.
- Users must be able to view the payment details.