Digital Bazar

Project Deadline: 26-June-2022

The technology nowadays is growing rapidly, most of the traditional companies have shifted their traditional business model to fulfill the customer's need. E-commerce consists of the purchasing and selling of products or services through electronic systems, such as computer networks and the Internet. In this modern world of technology, e-commerce is becoming a very significant option for many businesses as there are lots of companies that are interested in developing their online stores. E-commerce becomes one of the preferred ways of shopping as they enjoy online shopping because of its easiness and convenience. Because of its convenience, consumers can save their lots of time as well as money by searching their products easily and making purchasing online.

The Digital Bazar is the desktop application which allows user to buy, sell and rent their products. The users can buy or sell the new or old products in the bazar. The system provides platform to the sellers and buyers to make profitable deal and saves the time.

System Specification

In this course we are going to develop the same system based on desktop application but with limited features that could be used to perform the basic functionality of LMS. The system would be able to perform the given modules.

1. **Post Product:**
   User would be able to add the product by providing the product detail. User could also edit and delete post
2. **Chat on Post**
   The buyer and seller could communicate via messages related to any ad of product.
3. **Search Product:**
   User could be able to search the product by its type.
4. **Buy Product:**
   User could be able to buy the product and digital receipt will be generated. The balance will be deducted from buyer's account.
5. **Sell Product:**
   User could be able to sell the product and the balance will be added seller's account. The sold product will not be visible anymore.
6. **History:**
   The buying and selling history of user will be maintained
7. **Rent out Product:**
   User could be able to rent out the product for specific time. If the time limit exceeds, the fine will be charged.
8. **Apply Filter:**
   User could be able to sort the products of given categories by date and price.

Product Category

1. **Electronic Product**
   i) **Laptop**
   ii) **Mobile**
   iii) **Air Condition**
2. **Vehicle Product**
   i) **Car**
   ii) **Bike**
3. **Furniture**
   i) **Bed**
   ii) **Chair**
   iii) **Table**

System Activity Flow

Select the Option

1. Login In Account (Existing User)
   1. Buy Product Panel
      1. Enter Product Category
         1. Search Product by Name
         2. Product Filter
            1. Sort By Date (New on top)
            2. Sort by Price (Low to High)
            3. Price Range (i.e. 1000-5000)
            4. Select Product by Id
               1. Buy Product
               2. Chat to Seller
               3. Go to Back Menu
            5. Go to Back Menu
         3. Go to Back Menu
      2. View Buy Product
      3. Go to Back Menu
   2. Sell Product Panel
      1. Product Information
         1. Insert Product
         2. Add Installment

          3. Edit Product

          4. Remove Product

          5. Go to Back Menu

      2. Active Product List

      3. Sold Product List

      4. Go to Back Menu

   3. Rent Product Panel

      1. Product Information

          1. Insert Product

          2. Edit Product

          3. Remove Product

          4. Go to Back Menu

      2. Check Fine

      3. Rented Product List

      4. Go to Back Menu

   4. Balance Inquiry

2. Sign Up Account (New User)

Tool and Technology:

You can develop the project in C++ / Java according to your choice. If any group develop the project using graphical user interface (GUI) in Java, they will be given 10 Marks additional.

Task No.	Specification	Marks
1	Design the System UML of the above mention system that shows the entities (classes) of your system along with their data members (attributes and methods), relationship among classes and their cardinality as well. Draw UML on a tool (Microsoft Visio, etc)	5
2	Buyer Panel Tasks	10
3	Seller Panel Tasks	10
4	Rental Panel Tasks	5
5	Complete Project Presentation (Document + Code)	10

Note:

1. In case any group found in plagiarism, groups will get zero marks.
2. Evaluation of each member will be based on his/her contribution in the project.
3. You have to design menu driven project that remain in execution form and prompt to user to perform any relevant operation.

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