**E-Commerce Application**

**(Revised Project Detail Report)**

**Batch-11 March , Group -L**

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**Business Requirement :**

To create an E-commerce platform for Mr. Ajay Kumar to help him buy electronic items.

**Introduction :**

An e-commerce website is one that allows people to buy and sell physical goods, services, and digital products over the internet rather than at a brick-and-mortar location. Through an e-commerce website, a business can process orders, accept payments, manage shipping and logistics, and provide customer service.

It’s tough to imagine daily life without e-commerce. We order food, clothes, and furniture; we register for classes and other online services; we download books, music, and movies; and so much more. E-commerce has taken root and is here to stay.

User manual of program

* First user will open the ‘homepageCode class’ then if he enters ‘guest’ he will not be able to add items to cart and will get a message to register as a user, otherwise he will only be able to watch as guest.
* If the user has completed the registration process then he can also search for items, and also purchase from cart.
* To register, he/she will have to provide personal details like, first name, last name, username, email Id, mobile no , password.
* User will be directed to the cart after viewing the itenary available.
* Then he will add items to cart and then he will be asked to buy them by entering the id of the same.
* User will be immediately served with an invoice after placing buy order.
* Then he will be asked to add items in his/her buy history as per his /her wish for future recommendations.
* At the end he will be asked to confirm the delivery by entering the item id that are delivered.
* Admin will have the access to all user details including the buy history.

**Application of Java , JDBC , MySQL in the Project**

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| **Topics** | **Applications** |
| ArrayList (Collection) | To create database of store |
| Comparator Interface | To sort electronics items as per price |
| Control statements: a) if else | To check if customer is user guest or admin |
| b) switch case | To provide choice to user |
| Custom Exception | To guide the guest to register as user |
| Oops Concept | Inheritance of Comparator interface in other classes |
| JDBC (Revised) | CRUD operations using prepared statement for creating database in SQL through Java. |

**Bibliography**

**(web source):**

* stackoverflow.com
* javatutorial.com
* javatpoint.com
* geeksforgeeks.com