

Assignment 3

User Manual: Monash EasyBuy.com

Purpose:

This user manual is designed to guide users, including Admins and Customers, through the Monash EasyBuy.com e-commerce website. It provides step-by-step instructions to help users navigate the system effectively.

Introduction:

Welcome to Monash EasyBuy.com, the official e-commerce website of Monash University! This user manual will guide you through the features and functionalities of our website, helping you make the most of your online shopping experience.

Contents of the website:

1. Registration and login
2. Roles: Primary admin, Admin and Customer
3. Browsing products
4. Ordering products
5. Profile creation and management
6. Trend analysis
7. Back-end management:
 - Admin creation and management
 - Product management
 - Data generation
 - Statistical data management

Notes to remember while running the website:

- Ensure that the required data files (users.txt, orders.txt, products.txt) are present and updated in the "data" folder along with the .py files.
- If there are no products loaded in products.txt, some functionalities related to products, orders, and statistics may not be accessible.
- Provide inputs with spaces between them when multiple inputs are required.
- Test data generation may cause delays. Please be patient.
- Logging out will redirect you to the main menu.
- You can only exit the program by choosing "Quit" from the main menu.

Website Management

1. Primary Admin

The key website functionality control lies with the **Primary Admin**. This user has the absolute user and data control including:

- Creating new admins
 - No other user including an admin can create an admin. This control lies solely with the primary admin.
 - To create a new admin, the following must be done:

- Select the “Admin” option when prompted.
 - Provide a valid username.
 - The password will be defaulted to “password123”. The user will have to update the profile to change the password later.
- The website must always have a primary admin.
- The other functionalities are like that of the admin and can be found below in the admin section.
- To log in **as a primary** admin, below are the details:
 - Username: primary_admin
 - Password: primaryadmin123

2. Admin

The admin has the control over key user and product functionalities including:

- **Product functionalities:**
 - Search for products:
 - Search by product ID (if product ID is known)
 - Search by page number
 - Delete products:
 - Specific products by product ID
 - Delete all products – If all products are deleted, please note that no product related functionality will be available until the products are reloaded into the database.
- **User functionalities:**
 - Search profiles:
 - By identification parameter
 - By page number
 - Create customer profiles:
 - A username needs to be provided based on the format requirements.
 - The password will be defaulted to “jungle123”. The user will have to update the profile to change the password later.
 - Delete users:
 - Based on identification details
 - Single admin except the primary admin. (In this case, the logged in admin’s profile also will be deleted)
- **Order functionalities:**
 - Search orders:
 - To search for orders, you must provide 2 parameters – the customer ID and page number.
 - Delete orders:
 - Orders can be deleted by order ID.
 - All orders deleted at once – Please be careful while accessing this option as this could cause loss of data and test generation is time consuming.
- Generation of statistics & figures:
 - The below graphs can be viewed on selecting this option:
 - Category trends – Product variance and division

- Discount trends - proportion of products that have a discount value less than 30, between 30 and 60 inclusive, and greater than 60.
- Likes count – count of products’ likes for each category in ascending order.
- a scatter chart showing the relationship between likes count and discount for all products.
- Generate Test Data: Test data with 10 users, 50 to 200 orders for each user with a random registration time in the last year.

3. Customer

- **Profile functionalities:**
 - View your current profile details like username, email, phone number and registered time.
 - Update your current profile like change email, password or mobile details.
 - Delete profile: A customer can delete their own profile and will be logged out immediately.
- **Product functionalities:**
 - Search for products using a product ID, keyword or by page number.
 - Place order: To place an order, you must have a product ID handy. Please browse products and then opt to order the same.
- **Order functionalities:**
 - Order history can be viewed.
 - Placed orders can be deleted by providing the specific order ID.
- **Statistical data:**
 - The logged in customer can view their own order history. If you are a new user, you will not be able to view anything without orders.
 - All customer consumption to be able to view popular products.
 - Top 10 best bestsellers to see fast selling products.

Conclusion:

This user manual has provided detailed instructions on how to navigate the Monash EasyBuy.com e-commerce website. We hope you find this manual helpful and enjoy your online shopping experience. If you have any further questions or require assistance, please feel free to contact our support team. Happy shopping!