

COMPUTER SCIENCE DEPARTMENT

Final Project

GCS150

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Introduction:

The purpose of this project is to create a simple store management system using Python. The system will allow the user to login using a username and password, then provide five options for managing items in the store. These options include displaying all items, editing an item, deleting an item, and exiting the program.

Project Scope:

The project will use Python programming language to create a simple store management system that allows the user to manage items in the store. The project will focus on the following tasks:

- User authentication through username and password

```
Enter your username: Deema
Enter your password: 1234
Welcome to the store!

1. Show all items
2. Edit an item
3. Delete an item
4. Exit
Please select an option: 1
Items:
```

- Displaying all items

```
1. Show all items
2. Edit an item
3. Delete an item
4. Exit
Please select an option: 1
Items:
Type      Name      Quantity
chocolate Kitkat    9
chocolate Galaxy    5
chocolate Cadbury   3
chips     Lays      7
chips     Doritos   4
chips     Pringles  6
drinks    Pepsi     2
drinks    Coca-Cola 4
drinks    Sprite    3
```

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- Editing an item

```
2. Edit an item
3. Delete an item
4. Exit
Please select an option: 2
Enter the name of the item you want to edit: Kitkat
1. Edit name
2. Edit type
3. Edit quantity
Please select an option: 3
Enter the new quantity: 222
Item edited successfully!
```

- Deleting an item

```
1. Show all items
2. Edit an item
3. Delete an item
4. Exit
Please select an option: 3
Enter the name of the item you want to delete: Kitkat
Item deleted successfully!
```

- Exiting the program

```
1. Show all items
2. Edit an item
3. Delete an item
4. Exit
Please select an option: 4
Thank you for shopping with us!
---Thanks for using our store!---
```

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Methodology:

The project was developed using Python programming language. The following are the steps followed in developing the project:

- Define the username and password
- Define the items dictionary
- Create a function to show all items
- Create a function to edit an item
- Create a function to delete an item
- Ask the user for the username and password
- Show the options to the user
- Handle user input
- Exit the program

Results:

The project was able to provide a simple store management system that allowed the user to manage items in the store. The user was able to login using a username and password, then provided with options for displaying all items, editing an item, deleting an item, and exiting the program. The system was able to display all items in a table format, allowed the user to edit an item by choosing what they wanted to edit, and delete an item by specifying the name of the item they wanted to delete.

Conclusion:

In conclusion, the project was able to provide a simple store management system using Python. The system was able to allow the user to manage items in the store by providing options for displaying all items, editing an item, deleting an item, and exiting the program. The system was able to meet the requirements and scope of the project. This project serves as a good introduction to Python programming language and its ability to create simple applications.