Stationary Shop Management Software

* Introduction

This Shop Management Software will help shop owners to maintain the record of their inventory, generate bills for their customers and keep track of their customers through customer analytics.

* Group Members

1. Bilal Ahmed Khan (20k-0183)
2. Mohammad Wamiq Akram (20k-1857)
3. Zulnoor Siddiqui (20k-1090)

* Background and Research

We got in touch with various shop owners and asked them what are the key features the want in their shop management software.

Our research revealed the following results:

1. The software should allow them to maintain record of their inventory.
2. It should generate bills for their customers.
3. It should provide them with insights with respect to their customer population.

* Project Specification

Our project consists of the following key features:

1. The Shop owner can maintain his inventory by using our program. He can also:
   * + - 1. Add new items in the database.
         2. View all the current items listed in the database.
         3. Delete Out of stock items from the database.
         4. Modify an item in the database.
         5. Search for an item in the database to confirm if it exists or is out of stock

* Problem Analysis

Our program provides the solution to the following problems of shop keepers:

* + - 1. They can easily add, remove and delete items from their database.
      2. They can generate bills for their customers with great ease.
      3. They can get valuable insights about their customer data which may help them in planning better marketing strategies for their customers.
* Project Breakdown Structure

Our Project consists of three basic parts:

* + 1. The Bill generation Panel (Made by Zulnoor Siddiqui)
    2. The Admin Panel (Made by Bilal Ahmed Khan)
    3. The Customer Insights Panel (Made by Mohammad Wamiq Akram)
* **The Bill generation Panel:**

In this section the shopkeeper can generate bills for various items for the customer

* **The Admin Panel:**

In this panel, the shop keeper can perform various actions in the inventory database.

* **The Customer Insights Panel:**

This panel provides valuable insights to the shopkeeper related to their customers such as age-wise breakdown of the customer population, gender-wise breakdown of the customer population and area-wise breakdown of the customer population

* Conclusion

Hence, with all the loaded features, our program is ideal for small business owners and shopkeepers to manage their inventory and keep getting valuable customer information which may tell them about their customer behaviour and hence allowing them to engage with their customers in a better way.