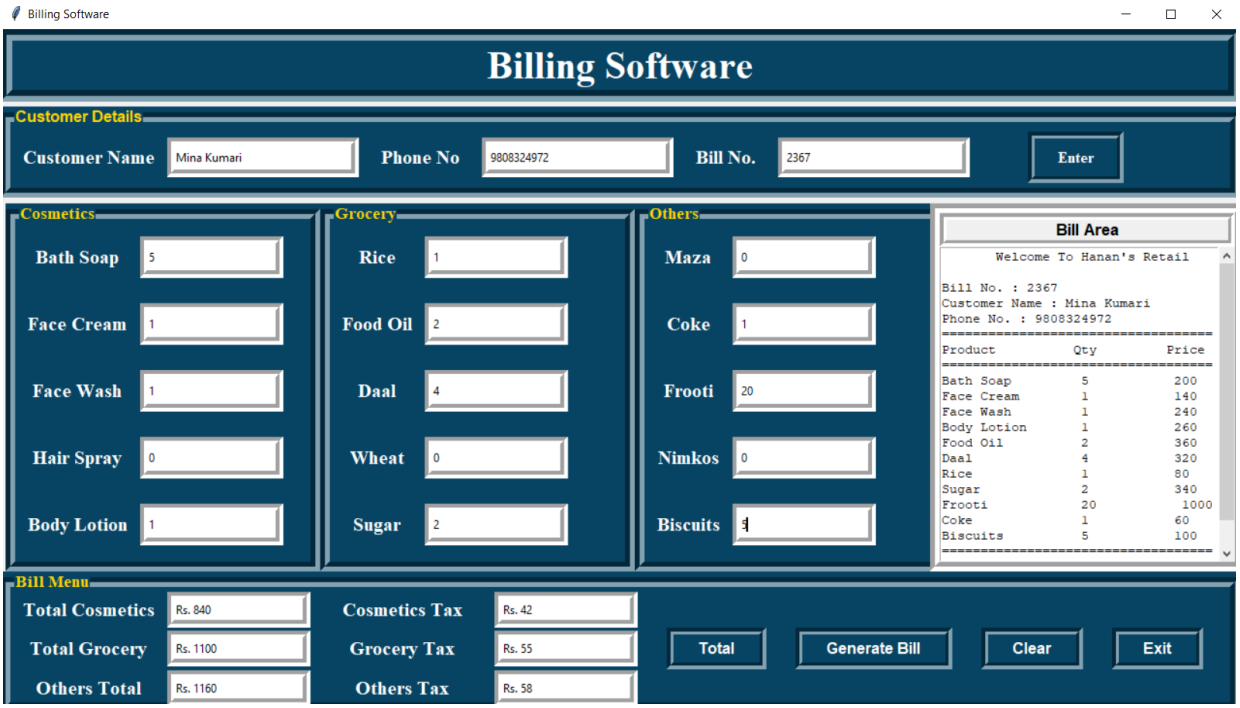
Advance Python Assessment Test

- **Write a program to demonstrate the Billing application**
- **Prepare demonstration of Python Billing application under software development principles and follow coding protocols**
- **The project was built in a GUI application called tkinter module that compose with different widgets to create an effective interactive interface.**
- **In this application all operations using MySQL queries**
- **Create GUI application using tkinter module**



- **Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on tkinter screen**.
- **Perform above operations**
  - **On click event of generate bill – generate bill in txt file format**
- **Design forms in tkinter based GUI application and accept all values**
- **Store all data in MySQL database create separate file for database connection.**

- **Make sure this code implements using oops concepts only**

- **Manage proper naming conversion – create appropriate objects name.**

- **Implement common fields using inheritance concepts only and make it more readable. Balance field must be private only customer can access this field**

- **Use encapsulation concept in this project**

- **create separate file for all business logics and make them reusable - use modules concepts with class ,object functionality for implements above logic**

- **Make sure validation proper given – each options - display appropriate message if user enter invalid input string inbuilt methods concepts in this logic implementation**

- **Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**

- **Make sure Database normalize manage in this project work**

- **After execution of each option confirmation message must be displayed.**

- **Remove option must ask to user for question id to delete and again ask for confirmation (Y/N) before deletion and display proper message after deletion**

- **Program should not be terminated till the user Exit it**

- **Developer needs to test his product before launching it into the market**

- **After completion this project upload it on GitHub**

    - **Upload all features in develop branch after completion all features merge it with main branch**