🔍

Sari-sari Store Inventory System

Start   Cancel

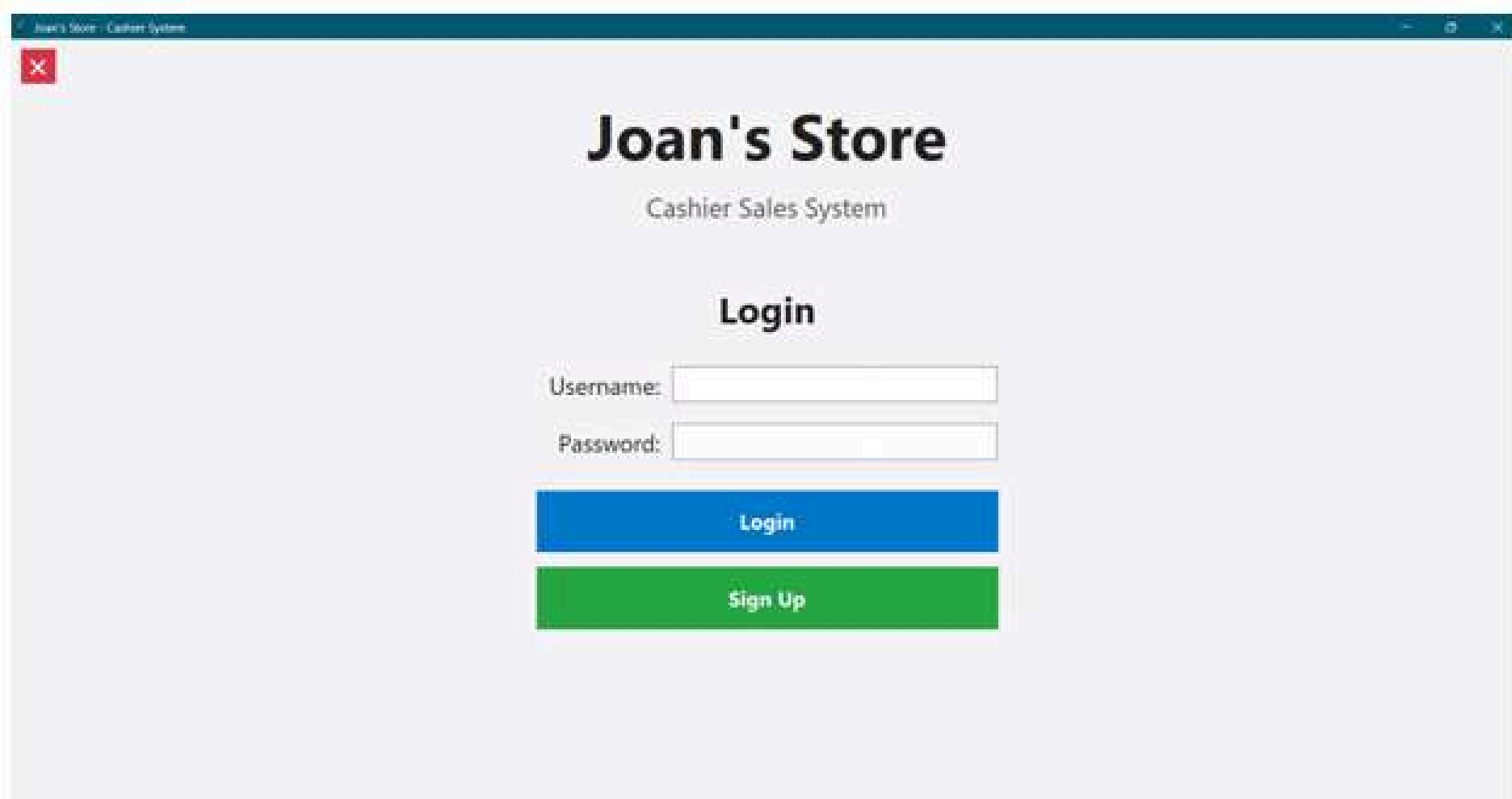# Progress Report no. 1

Objectives:

Start

- To implement a reliable database system storing and managing users, inventory, and sales records securely and efficiently.

- To make a simple user-interface design

- To add a simple log-in feature

- To implement different data types such as array, and linked- list to our system

Figures:

This picture shows a simple log-in feature where you should log-in or make a new account in order to access the system's interface.
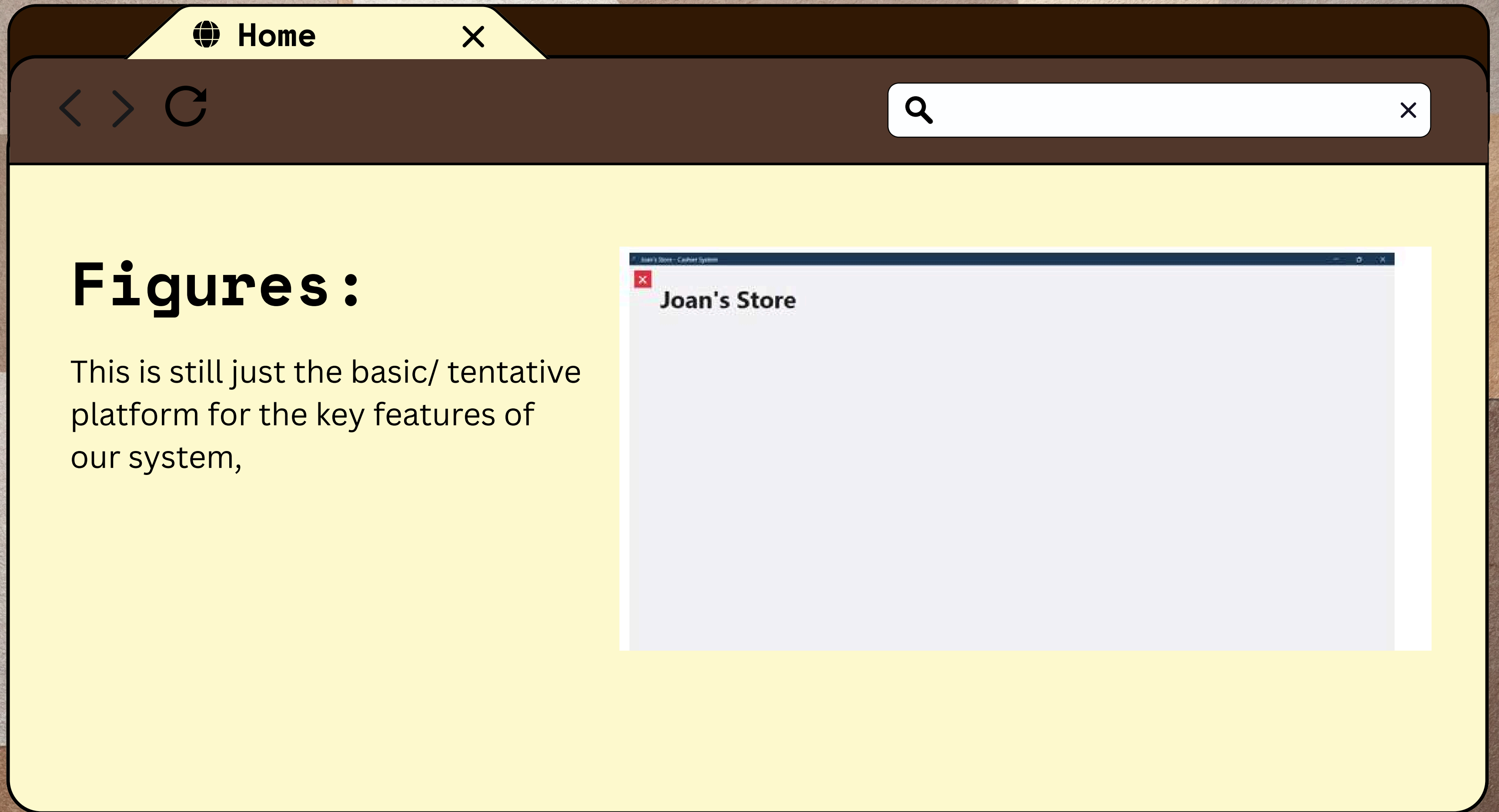

Joan's Store - Cashier System

Joan's Store

Cashier Sales System

Login

Username: _____

Password: _____

Login

Sign Up
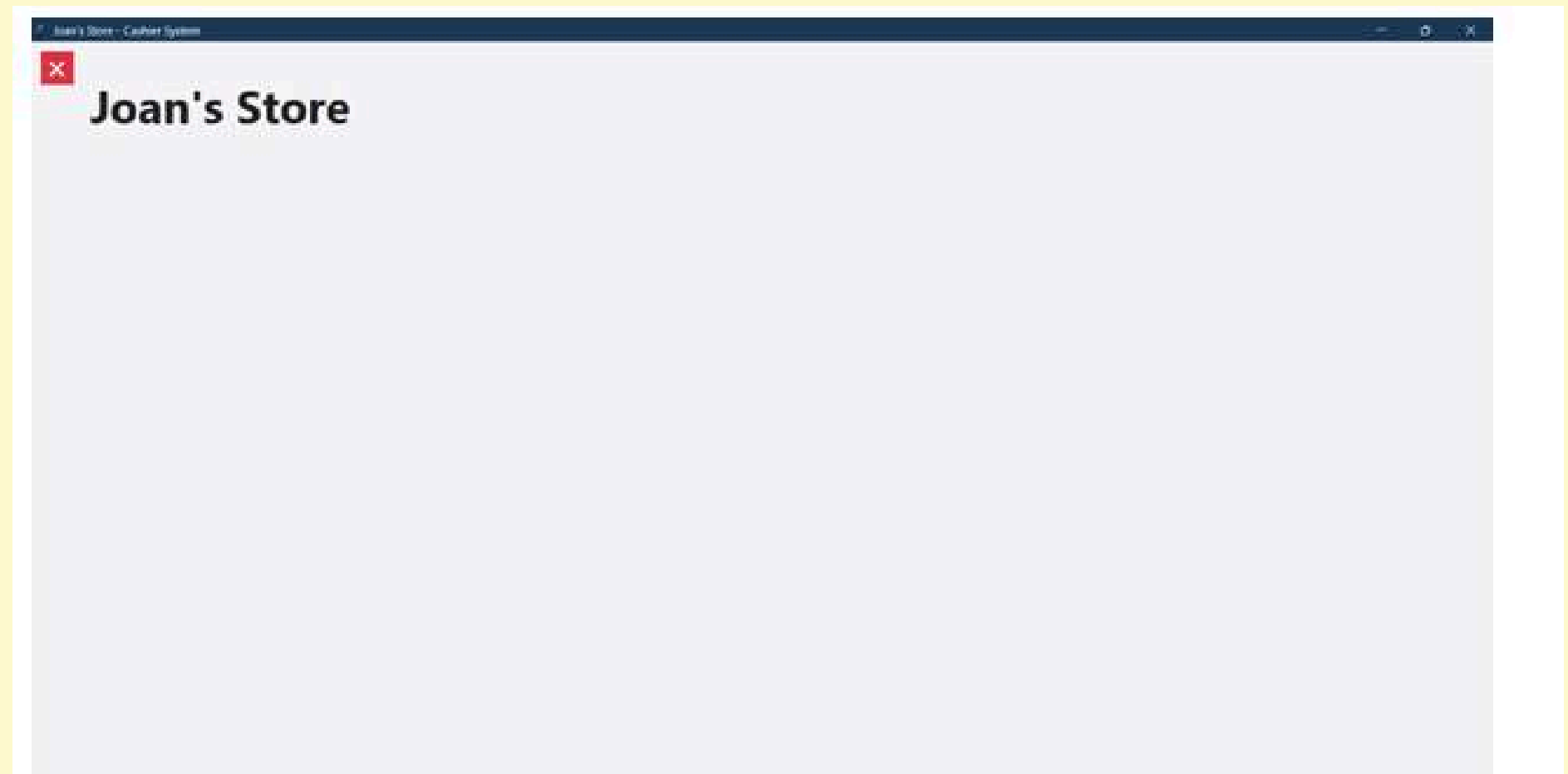
Figures:

Login

Username: jonard

Password: ***

Figures:

This is still just the basic/ tentative platform for the key features of our system,

Conclusion:

At first we made a regular interface. In the first interface we have a login feature wherein you can input and sign in an account, and for the second interface after you login or sign up, you will be directed into the platform for the key-features.

In the following progress report, we will improve the log in interface and also we will add some key buttons for the cashier system. In conclusion, our group reused our project in the Database Management System course, and revised the whole system. In other words, we're planning to remake our system but with a better and precise version.

References:

[1] Python Software Foundation, Python 3 Documentation. [Online]. Available: https://docs.python.org/3/ . [Accessed: Sept. 13, 2025].

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[3] D. R. Hipp, SQLite Documentation. SQLite Consortium, 2024. [Online]. Available: https://www.sqlite.org/docs.html . [Accessed: Sept. 13, 2025].

[4] A. Clark, Pillow: Python Imaging Library (Fork). 2015. [Online]. Available: https://pillow.readthedocs.io . Accessed: Sept. 13, 2025]

5] A. Sweigart, Automate the Boring Stuff with Python, 2nd ed. San Francisco, CA, USA: No Starch Press, 2019.
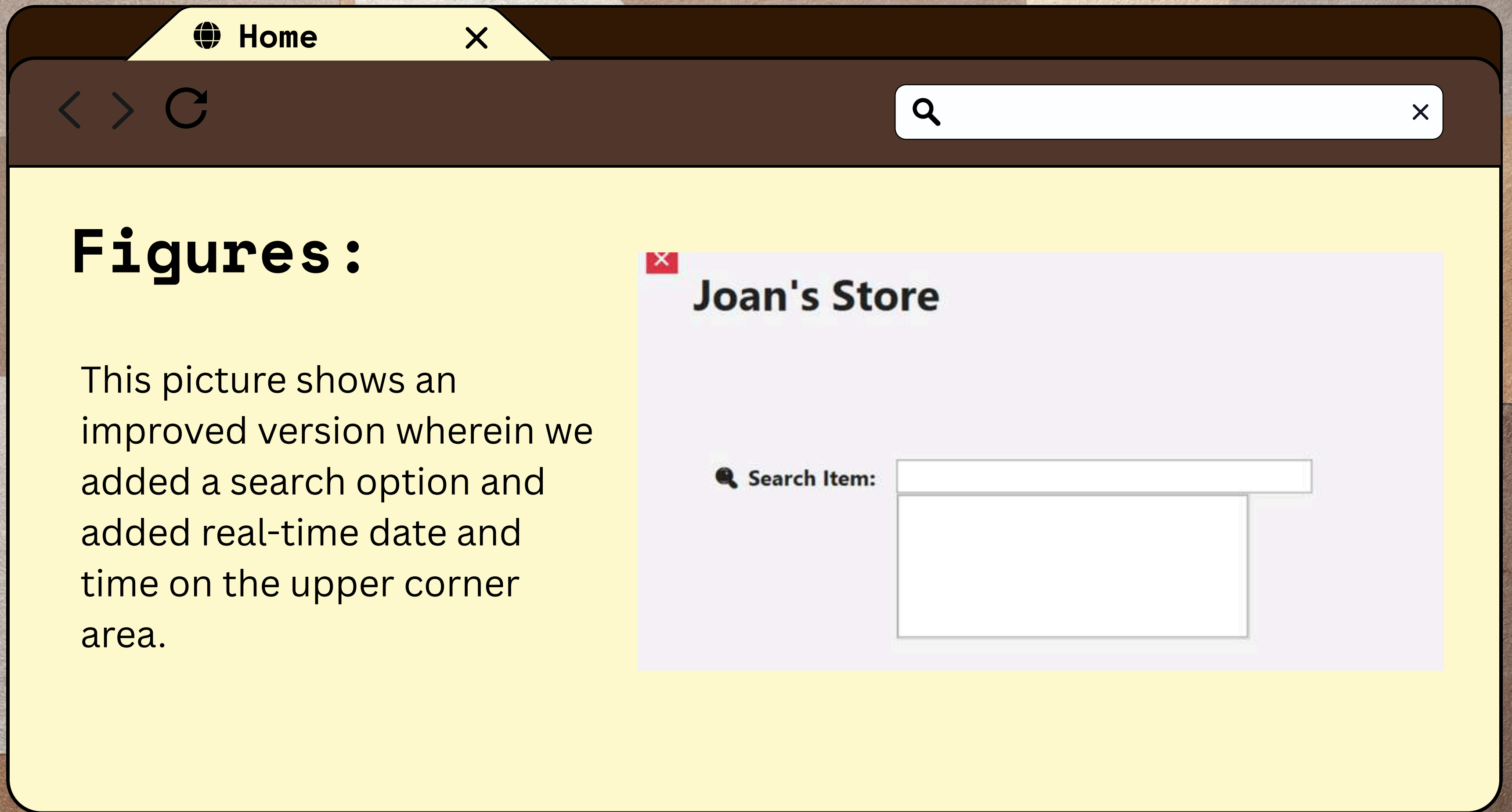
Progress Report no. 2

Objectives:

Start

- To implement a reliable database system storing and managing users, inventory, and sales records securely and efficiently.

- To make a better user-interface design compared to the first progress report

- To add new key features for the inventory management such as search item

- To add a real time and date feature for easier access

Figures:

This picture shows an improved version wherein we added a search option and added real-time date and time on the upper corner area.

Joan's Store

🔍 Search Item:

Conclusion:

The second interface, besides showing a real-time date, shows a customized search field for fast searching for products and records. To extend the capability of the cashier system, we are also developing important buttons of interactivity such as "Add Item" and "Add Stocks" which will simplify the daily sales and inventory management.

The next feature we intend to add to the system is the dedicated Storage Room module which will serve as the central place for inflow, outflow, and assessing the overstock in an organized manner. The overall system efficiency will rise, and the staff and the system admins will experience a system that is less complex and more satisfying to use.

In conclusion, we've added a few features for the betterment of the user's experience. We are aiming to add other features which will be shown on the next progress report.

References:

[1]T. Yik, "How to make a live date display using Python and tkinter", Stack Overflow. [Online]. Available: https://stackoverflow.com/questions/56370781/how-to-make-a-live-date-display-using-python-and-tkinter

[2] GeeksforGeeks, *"Python | Create a digital clock using Tkinter"*, GeeksforGeeks. [Online]. Available: https://www.geeksforgeeks.org/python/python-create-a-digital-clock-using-tkinter/ GeeksforGeeks+1

[3] U. *"create custom searchBar tkinter"*, Stack Overflow. [Online]. Available: https://stackoverflow.com/questions/61159967/create-custom-searchbar-tkinter

[4] GeeksforGeeks, *"Search String in Text using Python-Tkinter"*, GeeksforGeeks. [Online]. Available: https://www.geeksforgeeks.org/python/search-string-in-text-using-python-tkinter/

5] Bijay Kumar, *"How to Create a Search Box with Autocomplete in Python Tkinter?"*, PythonGuides.com. [Online]. Available: https://pythonguides.com/python-tkinter-search-box/