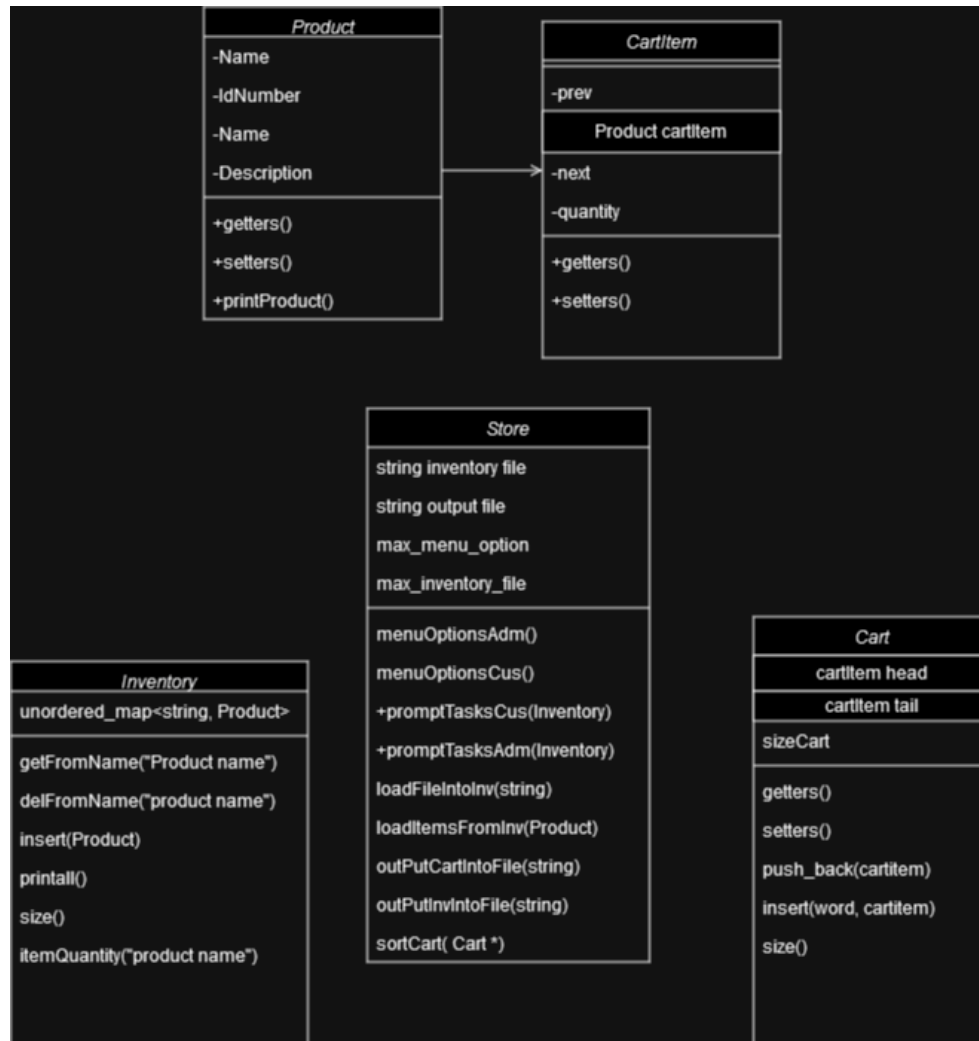


Summary of Project Goals:

- This project aims to develop an object-oriented shopping system to meet users' shopping needs. The system will include core functionalities such as product management, shopping cart, inventory, user management, and store management. We will implement this system using C++ and utilize standard LinkedList and hashmap.

UML Diagram:



Stages of Development:

- Our current status includes development of:
 - Foundational classes (Product, CartItem, Cart, Inventory, Store)
 - Functionalities of the HashMap and LinkedList
 - Functionalities of shopping cart (addition)
 - File retrieval and creating functions to store the inventory in text files

- Unit testing for Cart and CartItem
- Future status includes:
 - Implementing search and sort algorithms
 - Functionalities of the shopping cart (removal, checkout)
 - Unit testing for all classes
 - Final project review and deployment
 - Make a login and sign up screen and have user info stored in the backend so program can remember certain users purchase history

Working code is attached.