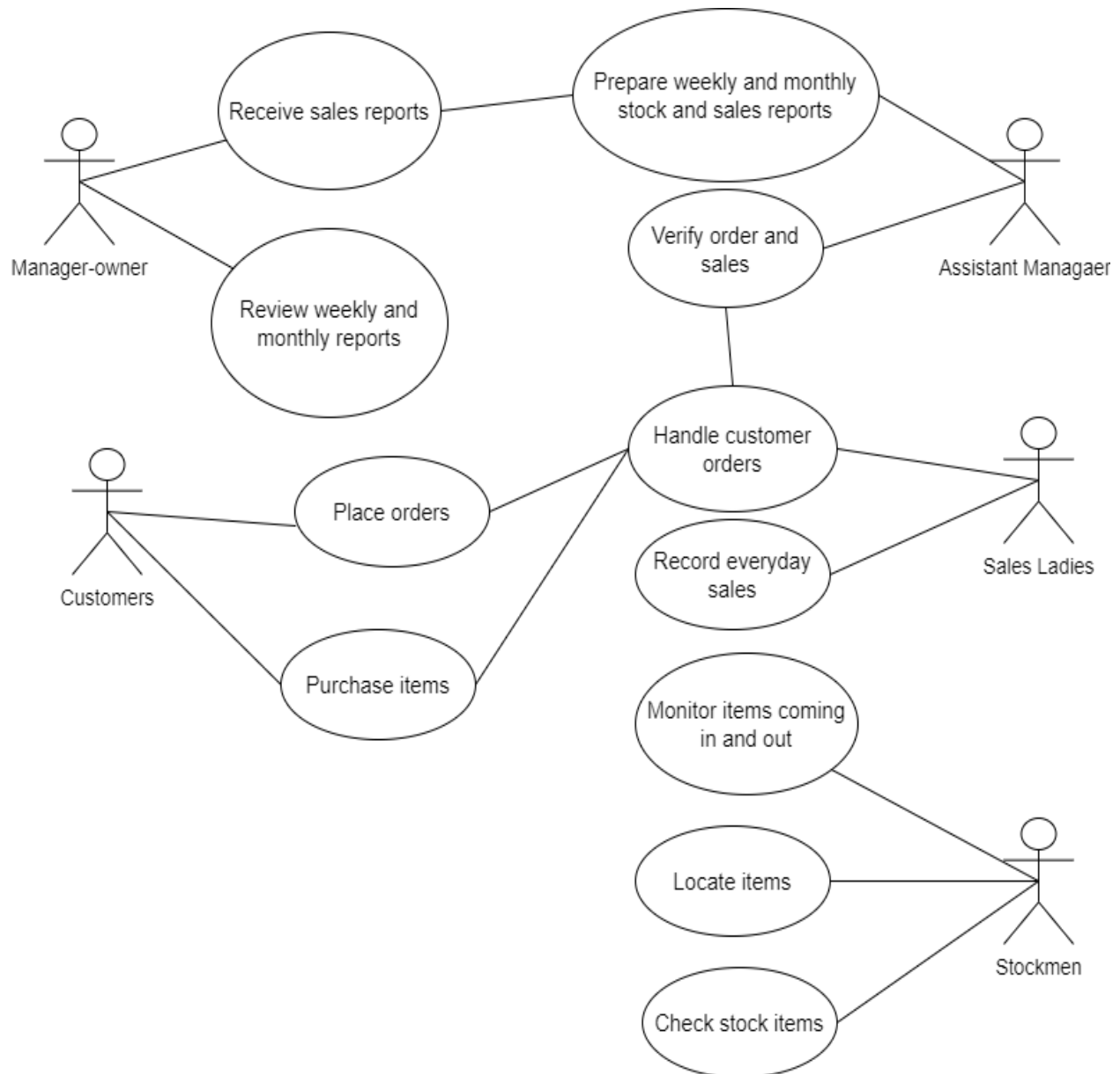


CC106: MODULE 3: ACTIVITY

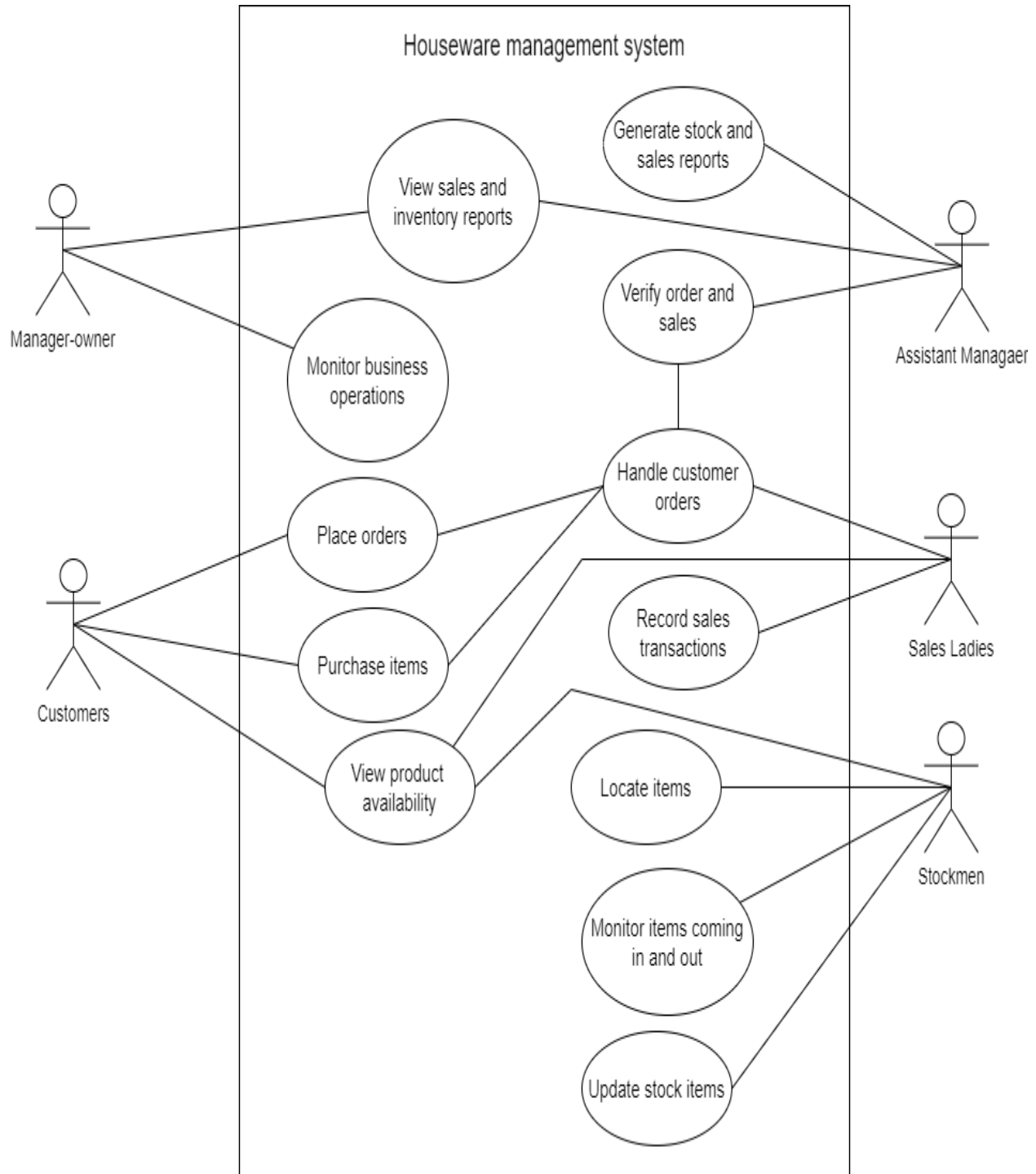
Directions: Read carefully and understand the following business scenario of a Purchasing System with Product Inventory and Sales Management. Illustrate its core business operations by constructing the use-casediagrams required for each item.

“Mr. Chan’s Houseware” is a long-time family business of a Chinese entrepreneur who sells different household materials, particularly kitchen plastic wares. The business has 5 workers who manage the orders of customers that visit and look for specific items to buy in the shop. It has 2 stockmen who monitor the items coming in and out, 2 sales ladies who record everyday sales using pen and paper, and 1 assistant manager, next to the Chinese Manager-Owner, who prepares weekly and monthly stock and sales reports for Mr. Chan who’s not always around to check for his business’ operations. Incoming items from different suppliers of the business are kept in an unorganized storage that when a certain item is requested by a customer, it’s difficult for stockmen to locate where it is and if it is still in stock. The business admits they have a lot of customers and to manually record all sales transactions is a disaster. They usually commit errors in posting sales especially when peak hours come, and a lot of customers are in queue. The Assistant Manager recounts and does a lot of verifications on orders, stocks, and sales just to make sure reports are accurate for the Manager to receive and decide for an action to his business, yet a lot of times, he still encounters wrong inputs. With these problems and the growing business, Mr. Chan decided to adopt a software for managing the orders, stocks, and income of the business by putting a personal computer installed with the needed software.

A. Construct a Use-Case Diagram that shows the different actors in Mr. Chan's Houseware, including the Manager-Owner and their specific tasks. (10PTS)



B. Construct a Use-Case Diagram for the newly adopted software of the business. Decide for the name of the system and the entities to be included will remain the same based on the above given scenario. (10PTS)



- C. List (3) Functional and (3) Non-functional Requirements for the newly adopted software of the business.**

Functional Requirements for the Software

1. Inventory Management
2. Sales Management
3. Order Management

Non-Functional Requirements for the Software

1. Usability
2. Reliability
3. Performance