Assignment 1

Identify the Functional, Non- Functional, System and User Requirements of POS.

User Class 1: The Customer

❖ Functional Requirement:

   ❖ Functional Requirement: 1.1

ID: FR1
TITLE: Retrieve name and price of good
DESC: A customer should be able to see the details of product or good.
RAT: Price and name of product available
DEP: None

   ❖ Functional Requirement: 1.2

ID: FR2
TITLE: Cashier Details
DESC: A customer should be able see that the Cashier name on receipt.
RAT: to get details about the receipt count
DEP: None

   ❖ Functional Requirement: 1.3

ID: FR3
TITLE: Complete Details about Tax's
DESC: A customer should be able to see all the tax such as **GST**, **Duties** etc.
RAT: To made a trust able relationship between them
DEP: FR1, FR2

❖ Non- Functional Requirement

   ❖ Non-Functional Requirement: 2.1

ID: NF1
TITLE: System Security
   DESC: The System should be Security, mistake free and wrong Scan of Barcode will not
         happen.
RAT: To save time and make customer Easy
DEP: None

   ❖ Non-Functional Requirement: 2.2.

ID: NF2
TITLE: Fast Scan and manual entire
DESC: The System Scan the product and Casher can enter manual
DEP: None

❖ System Requirements

    ❖ System Requirement 3.1.

ID: SR1
TITLE: Barcode Scanner
DESC: The System Scan the product through barcode.
RAT: To save time and make customer Easy

    ❖ **DEP**: None System Requirement 3.2.

ID: SR1
TITLE: A small Display Screen
DESC: The System should display the total of the customer
RAT: To made the Customer Easy about the total price.
DEP: None

❖ User Requirements

    ❖ User Requirements: 4.1.

ID: US1
TITLE: Check Product Availability
DESC: The System check the Product Availability and give the address (Shell no) of Product
DEP: None

User Class 2: The Cashier

1. Functional Requirement:

❖ Functional Requirement: 1.1

ID: FR1
TITLE: Product Units
DESC: A Cashier can add directly Product quantity after the scan.
RAT: If same Product Available.
DEP: None

❖ Functional Requirement: 1.2

ID: FR2
TITLE: Auto Calculate
DESC: A Cashier can only scan product and the system show the bill to the customer.
DEP: None

2. Non- Functional Requirement

❖ Non-Functional Requirement: 2.1

ID: NF1
TITLE: Easy to use
DESC: Any Level of Person can used it
RAT: If the Cashier is change.
DEP: None

❖ Non-Functional Requirement: 2.2.

ID: NF2
TITLE: Accuracy.
DESC: All the Feature are perfect working.
DEP: None

3. System Requirements

❖ System Requirement 3.1.

ID: SR1
TITLE: Card payment Machine
DESC: The System is also attach with card swap hand Machine.
DEP: None

4. User Requirements

❖ User Requirements: 4.1.

ID: US1
TITLE: Can Edit product Prizes
DESC: The User can change the prize of the product.
DEP: None