

POS System:

Functional Requirements

The system shall calculate the net total and apply taxes to the total price of the purchase.

The system shall accept payments through cash, card, and apple pay.

Non-functional Requirements

The system shall allow users to toggle display UI elements between English and Spanish.

The system shall operate during the hours of 8:00AM and 9:30PM.

User Stories

As a customer, I want to pay for my purchase using my credit card so that I can earn cash back rewards.

As an employee, I want to be able to calculate the change for a purchase so that I can accurately give customers the correct change.

Vending Machine:

Functional Requirements

The system shall return cash equivalent to the amount of change owed to the user.

The system shall dispense a product within 10 seconds of payment by the user.

Non-functional Requirements

The system shall sound an alarm when it detects that it is being tipped over.

The system shall display product codes in English and braille.

User Stories

As a user, I want the machine to display which codes on the keypad correspond to each item so that I can purchase the item I want.

As an owner, I want to be able to unlock the vending machine so that I can collect cash used for purchases.