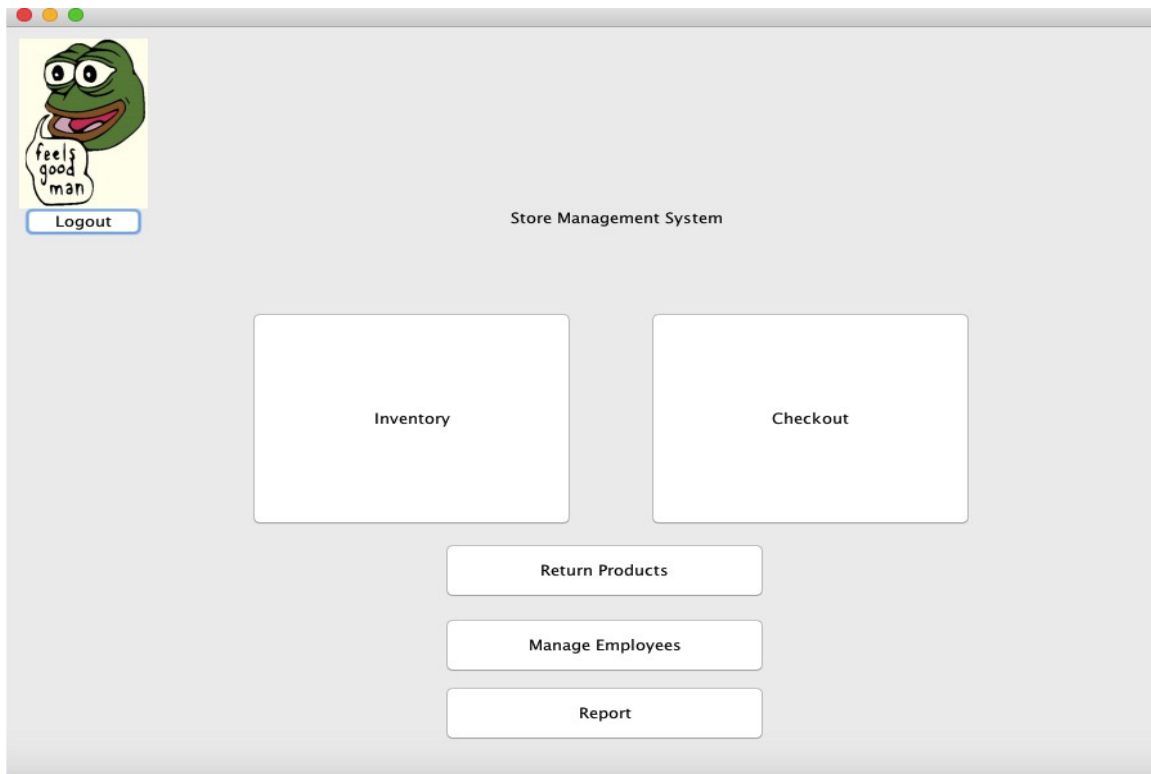Use Cases:

1. As a cashier, I want to checkout differently for loyal program customers.
2. As a manager, I want to set up discount prices for some products.
3. As a customer, I want to use the reward points to pay in checking out process. The reward points are accumulated while paying by actual dollars. The conversion rate is 1 point for $1 when buying, and 100 points for paying with points.
4. As a manager, I want to have revenue reports for customers in a given period (e.g. a week, a month, or a quarter...)

Access Control:

There are two different ways to access the system which have different levels of access, either you can login as a manager or a cashier. The differences can be noted in the main screen.

A manager has access to everything (manage employees, manage inventory, checkout, return products, view consumer reports, and can edit their own profile by clicking their picture), these are denoted by the buttons on their home screen when they log in:


A cashier's main screen shows that they can return products or checkout a customer, and edit their own profile by clicking on their picture:
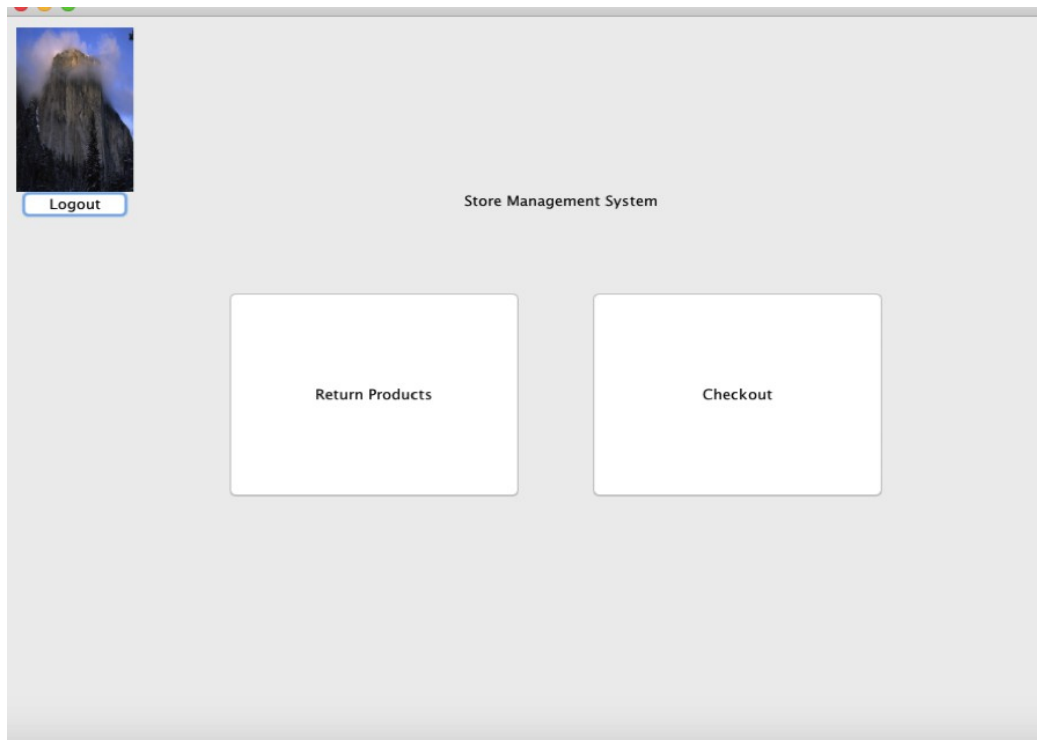
Use Case #1:

1. As a cashier, I want to checkout differently for loyal program customers.

The checkout for regular customers and reward members is mostly the same. If you are a reward customer you will have the option to pay with reward points if you'd like:
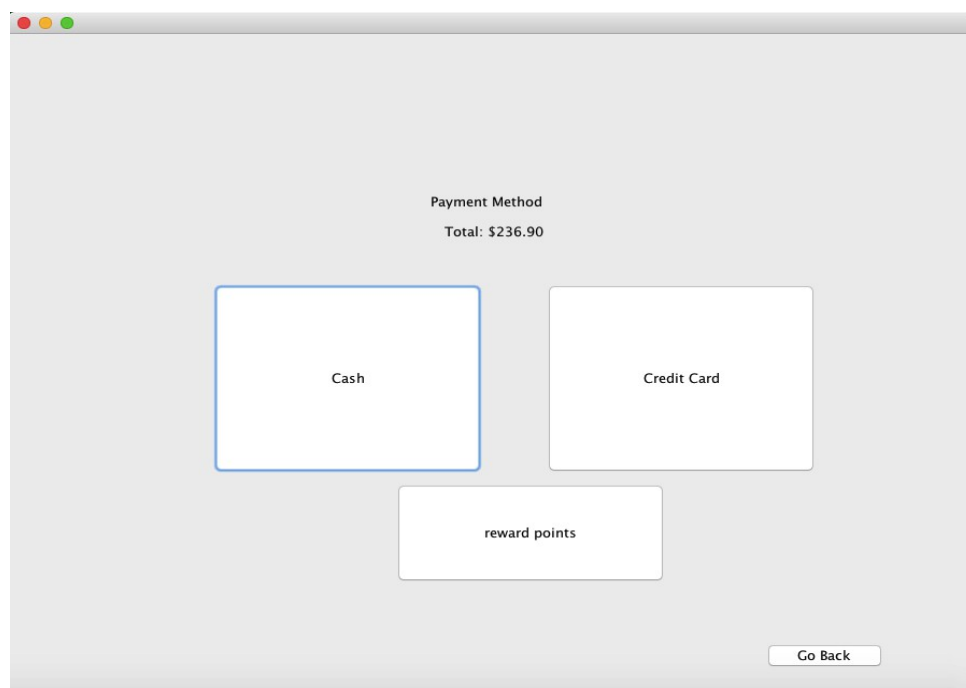
If as a customer who is paying for money, a reward customer will have the option to enter their phone number or swipe their reward card so they can add points to their account for use in the future. On the cash screen it looks like this:

When Print Receipt is clicked it will add the points to the customers account and give them their receipt. The process is similar if paying with a card, they either enter their phone number or swipe their rewards card to add points to their account:

Use Case #2: As a manager, I want to set up discount prices for some products.

A manager on their main screen has a "Inventory" button:
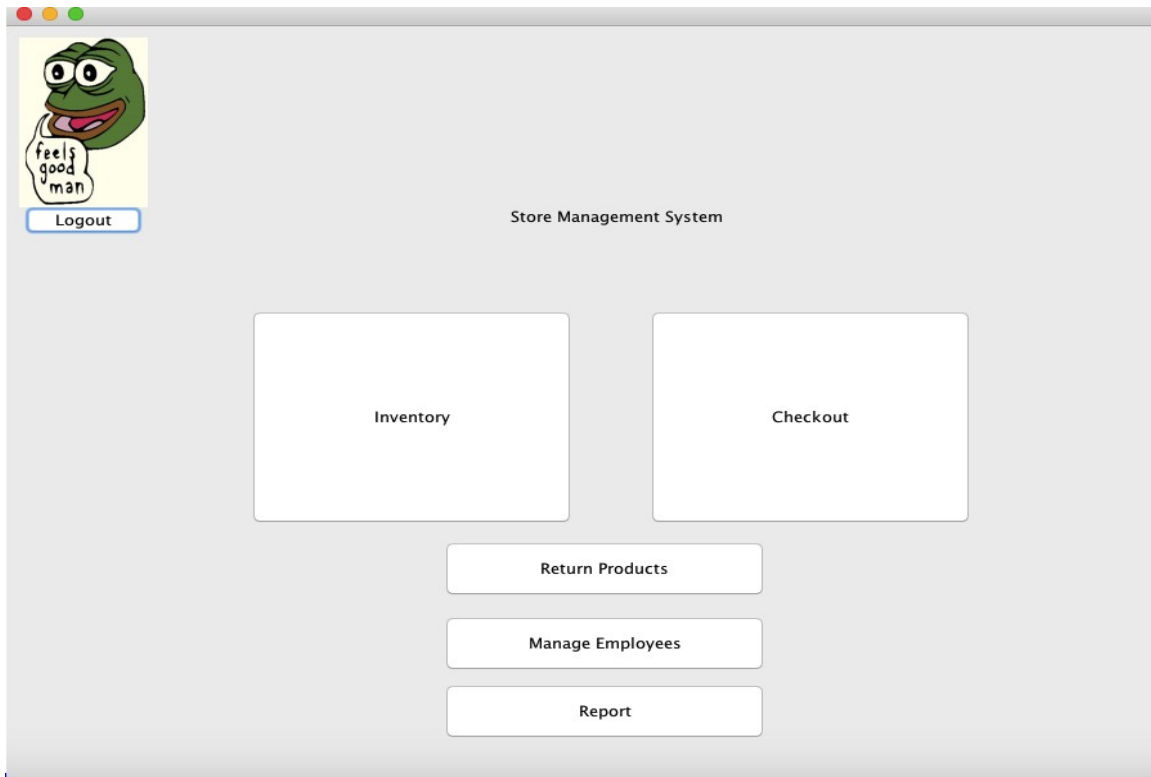
Clicking this will take them to the Inventory screen, which will now have a discount Price category:

Here they will note that a lot of discount prices are 0.0, this means there is no discount. Otherwise there is a discount. We have added a tooltip that explains this if you hover over "Discount:". If you try to put a discount price higher than your regular price it will disallow it and warn you:

As a customer, I want to use the reward points to pay in checking out process. The reward points are accumulated while paying by actual dollars. The conversion rate is 1 point for $1 when buying, and 100 points for paying with points.

In the checkout process the cacher is presented with the following screen:
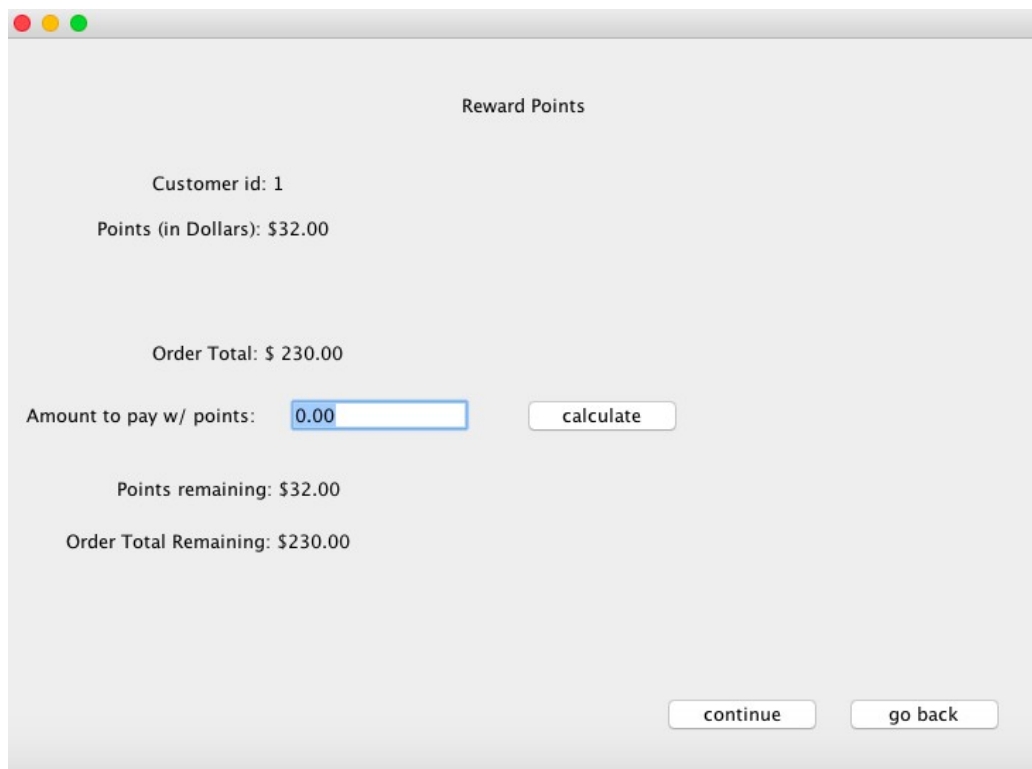
They ask if the client would like to use their reward points, if they say yes the cashier clicks on the "Reward Points button" and is presented with the following screen:
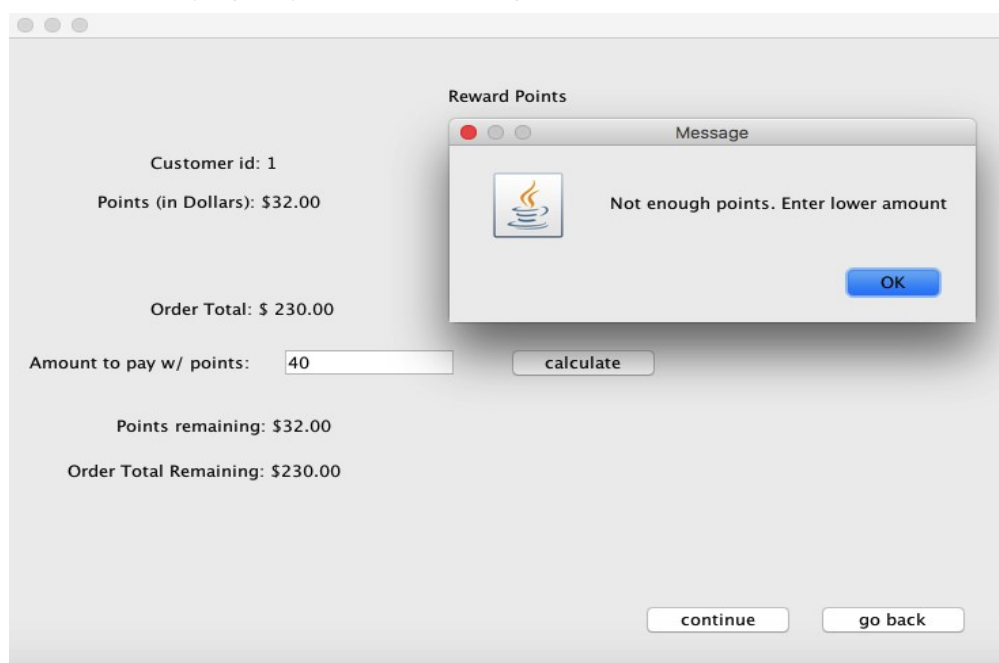
The cashier can have the customer swipe their card, enter their phone number and press search or they can select their name and press continue. Either way leads to the following screen:

Here their customer id is shown along with the dollar representation of how many points they have ($1 for every 100 points). The cashier can shown them the total they owe and how much money they have in points and asks them how much they want to use. They can enter the amount desired and click calculate, which will then show how much points they will have left and the total remaining.

If they enter in more points than they have and press either calculate or continue the will be stopped and presented with a window saying they don't have enough points, and the window will be reset:

Also if they enter more points than is needed to pay for the whole order it will stop and give a message as well:

Reward Points

Customer id: 1

Points (in Dollars): $32.00

Order Total: $ 10.00

Amount to pay w/ points: 20   calculate

Message

Points exceeds Order total

OK

Points remaining: $32.00

Order Total Remaining: $10.00

continue   go back

When they enter an amount that meets the requirements, they will click continue, if the whole order is being paid by points they will get a receipt, if not they will be taken back to the payment method screen to pay the rest of the total by cash or card:

Payment Method

Total: $236.90

Cash

Credit Card

reward points

Go Back

Use Case #4:

As a manager, I want to have revenue reports for customers in a given period (e.g. a week, a month, or a quarter...)

On the managers main screen they have a "reward points" button, they click on this to view reports:
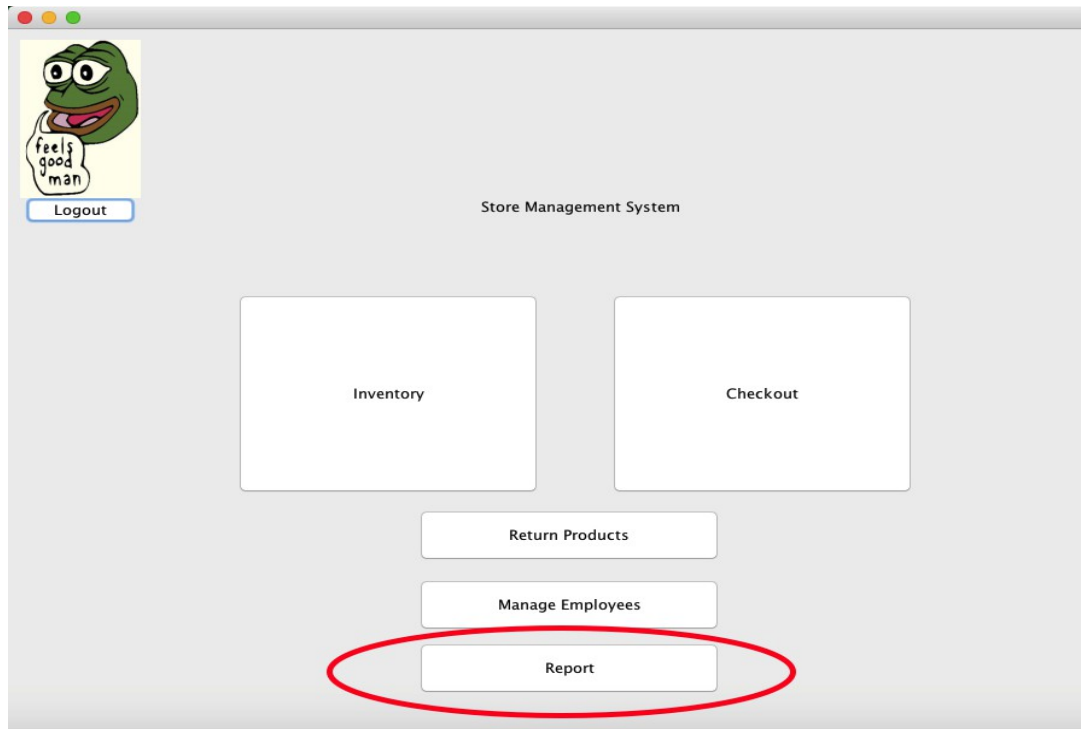
They will see a screen like this:

By default it shows all orders, your can scroll through them, if you want to view any time frame, you can enter the dates and click filter:

The manager can also click on "Customer Name", "Payment Method","Order Total", and "Date Time" to sort the columns in different ways.