Assignment 4

Use Case Diagram

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Use case diagram:

Champions Consulting has identified 6 system users who will be interacting with the cloud solution, also known as actors. For each actor, we have listed the actions, i.e the way they are going to use the system and interact with it.
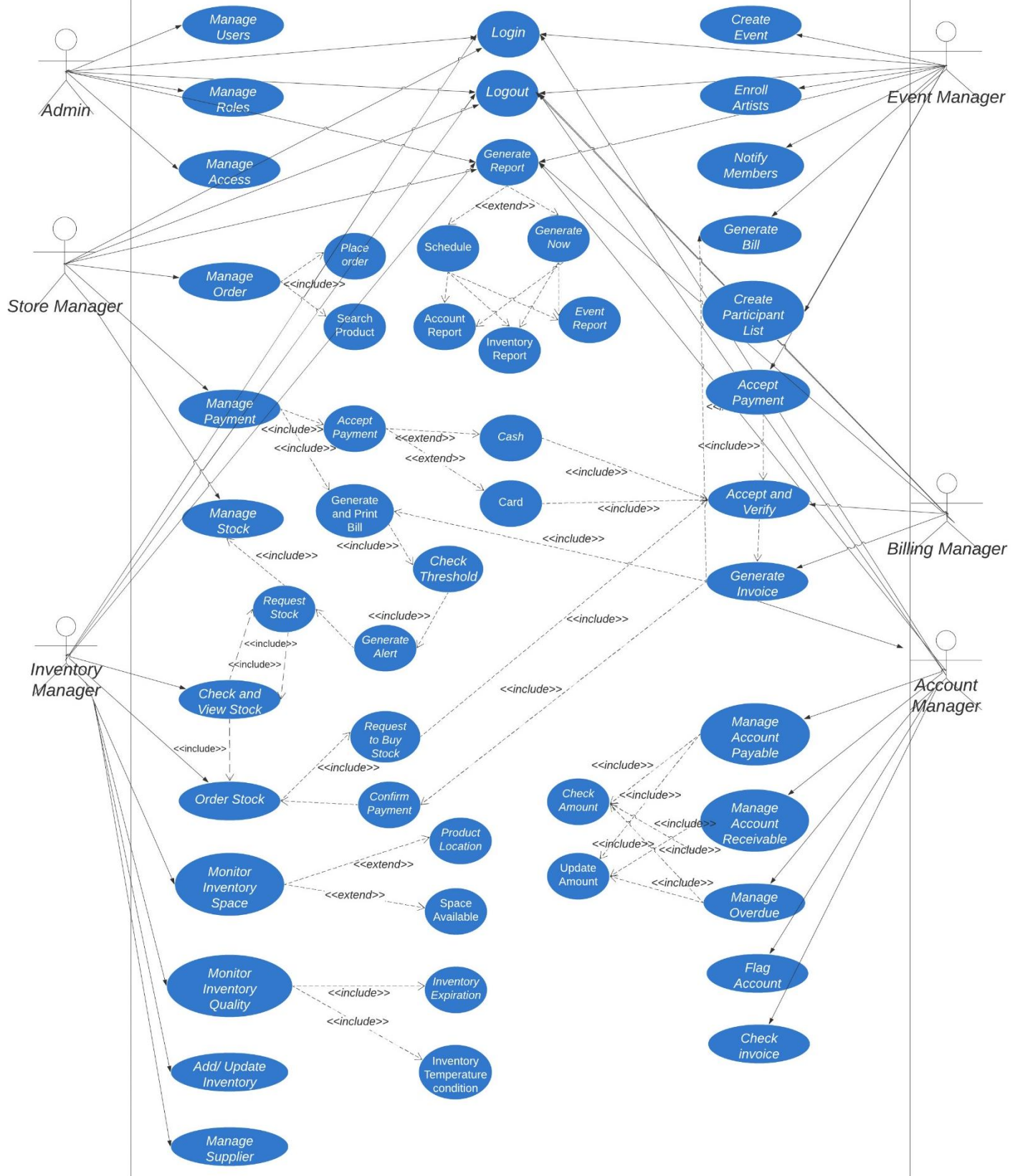
Goals that we want to achieve with this use case diagram:
- To keep a check on the scope for the system
- Capture all the system users
- To make sure the actions of every actor is listed

We interviewed all our stakeholders to understand their pain points and how we can help them address those. After capturing and understanding their requirements, we have come up with the below list of actors and their actions.

Actors	Actions
Admin	Log In, Log Out, Add System Users, Add Access, Add Roles, Manage System Users, Manage Access, Manage Roles, Generate Report, Schedule Report Generation, Access Account, Inventory and Event Report
Account Manager	Check Invoice Amount, Check Account Balance, Check and Update Amount Overdue, Mark an account, Check and Update account payable, Check and Update account receivable, Generate Account Report, Access Account, Inventory and Event Report
Billing Manager (Inhouse/Third party payment portal)	Check and Verify Payment, Generate Invoice
Inventory Manager	Check Existing Stock, Order Inventory, Add or Update Inventory, Check and communicate with Supplier, Monitor Inventory Quality, Check product expiration date and room temperature, Monitor Product location and available space, Generate and Access Inventory Report
Event Manager	Create Event, Enroll Artist, Notify Members, Calculate and Accept Payment, Generate Invoice, Create Participant list, Generate and Access Event Report
Store Manager	Search Product in the System, Place order, Accept Payment, Generate Invoice, Print Bill, Check item availability threshold and raise alert to request stock item in the store, Generate and Access Inventory and Event Report

Store Management System

Actors:
- Admin
- Store Manager
- Inventory Manager
- Event Manager
- Billing Manager
- Account Manager

Use Cases:

Admin:
- Manage Users
- Manage Roles
- Manage Access
- Login
- Logout
- Generate Report

Store Manager:
- Manage Order
- Manage Payment
- Manage Stock
- Place order
- Search Product

Event Manager:
- Create Event
- Enroll Artists
- Notify Members
- Generate Bill
- Create Participant List
- Accept Payment

Generate Report:
- <<extend>> Schedule
- <<extend>> Generate Now
- Account Report
- Inventory Report
- Event Report

Manage Order <<include>> Place order / Search Product

Manage Payment:
- <<include>> Accept Payment
  - <<extend>> Cash
  - <<extend>> Card
- Generate and Print Bill
  - <<include>> Check Threshold
    - <<include>> Generate Alert

Inventory Manager:
- Manage Stock
- Check and View Stock
- Request Stock
- Order Stock
- Request to Buy Stock
- Confirm Payment
- Monitor Inventory Space
  - <<extend>> Product Location
  - <<extend>> Space Available
- Monitor Inventory Quality
  - <<include>> Inventory Expiration
  - <<include>> Inventory Temperature condition
- Add/ Update Inventory
- Manage Supplier

Billing Manager:
- Accept and Verify
- Generate Invoice

Account Manager:
- Manage Account Payable
- Manage Account Receivable
- Manage Overdue
- Flag Account
- Check invoice
- Check Amount
- Update Amount

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Attached Use Case Diagram:

Store Management
- Use Case Diagram.

References:
https://www.smartdraw.com/use-case-diagram/
https://www.lucidchart.com/pages/uml-use-case-diagram