CS5610 Final Project

Project Proposals (Phase 0)

Team members: Zijian Cao, Haowen Xue, Junyan Ling

0. Project Concept

The use case of our project is in a mid-size company that has warehouse and needs a system for inventory management. Assuming the company has multiple warehouses in different locations. Each warehouse has its own inventory. There are three basic roles in the company: the manager, the requester, and the guest(unregistered). The manager has the ability to perform CRUD operations for the inventory of the warehouses, on the other hand, the requester can raise CRUD request to the manager, which need to be approved by the manager in order to actually perform the request. The guest(unregistered) can only read the inventory list from the warehouse. The project would use the MERN stack. The complexity of this project is medium, which requires around 3 to 4 weeks of work by a team of 3 members.

Users feature in details:

Manager:
1. Check shipment status
2. Inventory Lookup
3. Initiate a shipment request
4. Approve or Reject a request
5. CRUD Inventory (Create a new item)

Requester:
1. Check shipment status
2. Inventory Lookup
3. Initiate a shipment request

Guest(unregistered):
1. Inventory Lookup

1. Project Schema

1.1 User Register/Profile

- Manager: User name, Password, Name, Email, Phone, Sub-team

- Requester: User name, Password, Name, Email, Phone, Sub-team

- Guest(unregistered): N/A

1.2 User Actions

- Manager: Warehouse location(Inventory), Expected deliver time, Ship Address, Comments, Select materials and inventories, Approve or Reject, Add tracking number

- Requester: Warehouse location(Inventory), Expected deliver time, Ship Address, Comments, Select materials and inventories

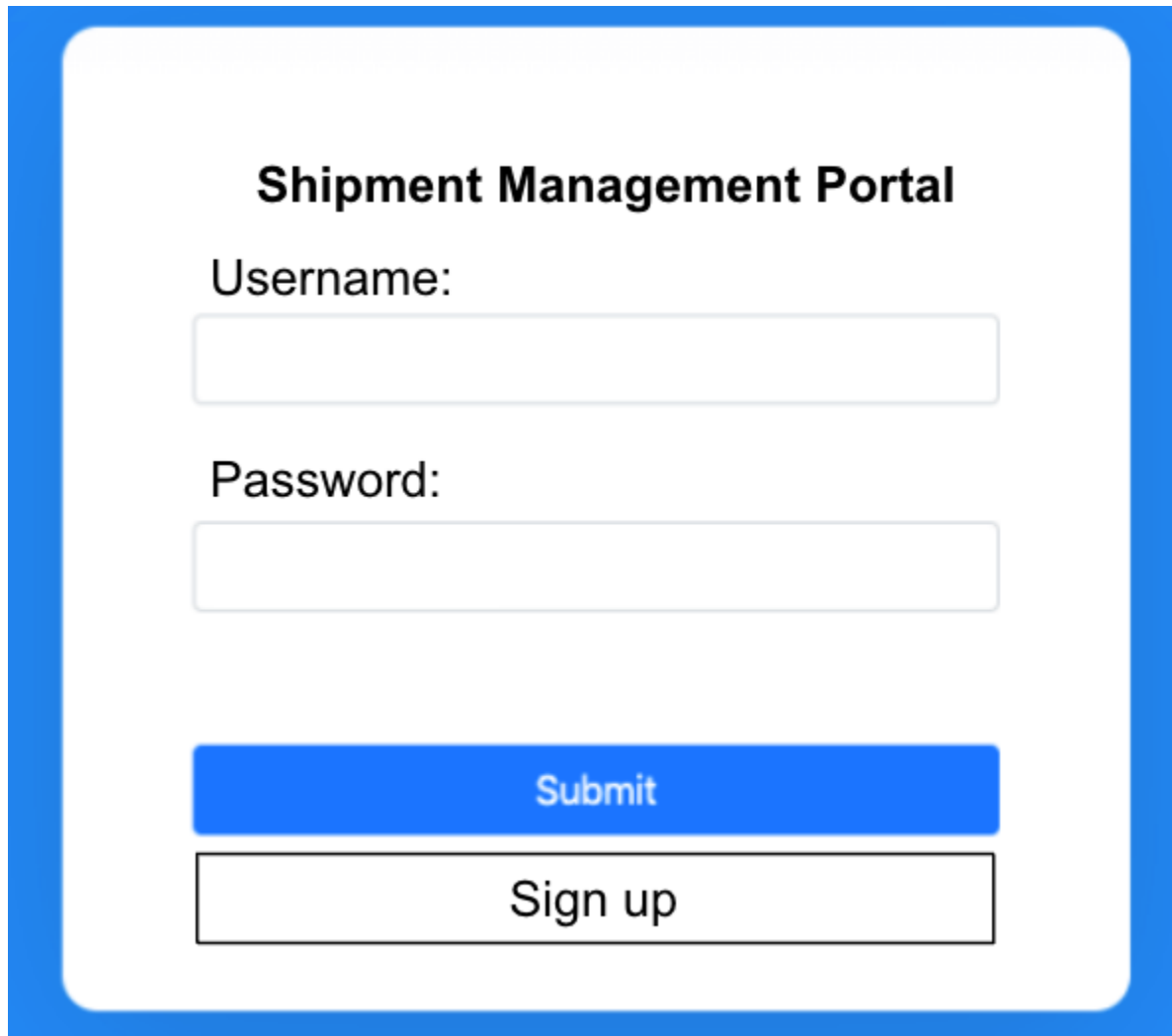- Guest(unregistered): Warehouse location(Inventory)

2. Sketches of Main Pages

2.1 Homepage (Same as guest page since no login)

http://www.shipmentmanagementprotal.com

| Guest (Not Logined) | Welcome to the shippment management portal | Profile |

Inventory Lookup

Filters

| Warehouse Location▾ | Q Item Name | Region selection ▾ | Q Notes |

Item Name	Preview Img	Current Quantity	Sub–teams	Region	Warehoues location	Notes
Posters	.img	300	Team A	Region 1	West	...
Flyers	.png	400	Team B	Region 2	West	...
Gift samples	.jpeg	500	Team B	Region 3	East	3 gifts max
..	..	...				

2.2 Login page

2.3 Register/Profile page

2.4 CRUD/CRUD Results page
Manager:

Welcome to the shippment management portal

Profile

Inventory Lookup

Initiate a shipment request

CRUD Inventory
(Create a new item)

Check shipment status

Approve or Reject a
request

New Item Name *

Please use a unique discriptive nInt ame

Warehouse location *

Initial quantity *

Upload a preview photo *

Maximum size:3MB

手机扫码上传图片

+

点击或拖拽上传图片

Sub-teams *

West Team

Region

Memo/Notes *

Availability *

○ Yes ○ No

Import number *

Filters

Warehouse Location▾

🔍 Shipment No

🔍 Tracking No.

Status

Shippment No.	Approvel status	Location	ShowDetail	Tacking No,
No. 3324442	Aproved	West	ShowLocation	Fedx29283823
No. 23232				

Requester:

Welcome to the shippment management portal
Role：Requester

Profile

Inventory Lookup

Initiate a shipment request

Check shipment status

TransNumber *

自动生成无需填写

Requester Name *

Email

Sub-team *

Receiver Name *

Phone *

Expected Deliver Date *

Warehouse Location *

West Coast

Province/State *

City *

Postal Code/ZIP *

Address *

Address 1

APT/ROOM/SUIT No.

Address 2

Note/Full Address

Items Manifest

	Item Name *		Previe...	Amount *	Current	After	Subteam
1		▾	暂无内容		暂无内容	暂无内容	暂无内容

+ Add

Guest:

http://www.shipmentmanagementprotal.com

Guest
(Not Logined)

Welcome to the shippment management portal

Profile

Inventory Lookup

Filters

Warehouse Location▾ | 🔍 Item Name | Region selection ▾ | 🔍 Notes

Item Name	Preview Img	Current Quantity	Sub-teams	Region	Warehoues location	Notes
Posters	.img	300	Team A	Region 1	West	...
Flyers	.png	400	Team B	Region 2	West	...
Gift samples	.jpeg	500	Team B	Region 3	East	3 gifts max
..	..	...				

2.5 Details page

Item Name	Preview Img	Current Quantity	Sub-teams	Region	Warehoues location	Notes
Posters	.img	300	Team A	Region 1	West	...
Flyers	.png	400	Team B	Region 2	West	...
Gift samples	.jpeg	500	Team B	Region 3	West	3 gifts max
..	..	...				

3. Team Rules/Procedures

- Day, time, and place for regular team meetings: Have meetings for each iteration. Meet as much as needed. Meeting on Zoom

- Preferred method of communication: Zoom & WeChat

- Decision-making policy: Majority vote

- Method of record keeping: Shared Github repository

Appendix - 1:
-       Please click here to see the webpage sketch:
    -    https://www.processon.com/view/link/61b0222b7d9c0826ff4f2b8e