Big Systems
Ola 1
Chemical Warehouse

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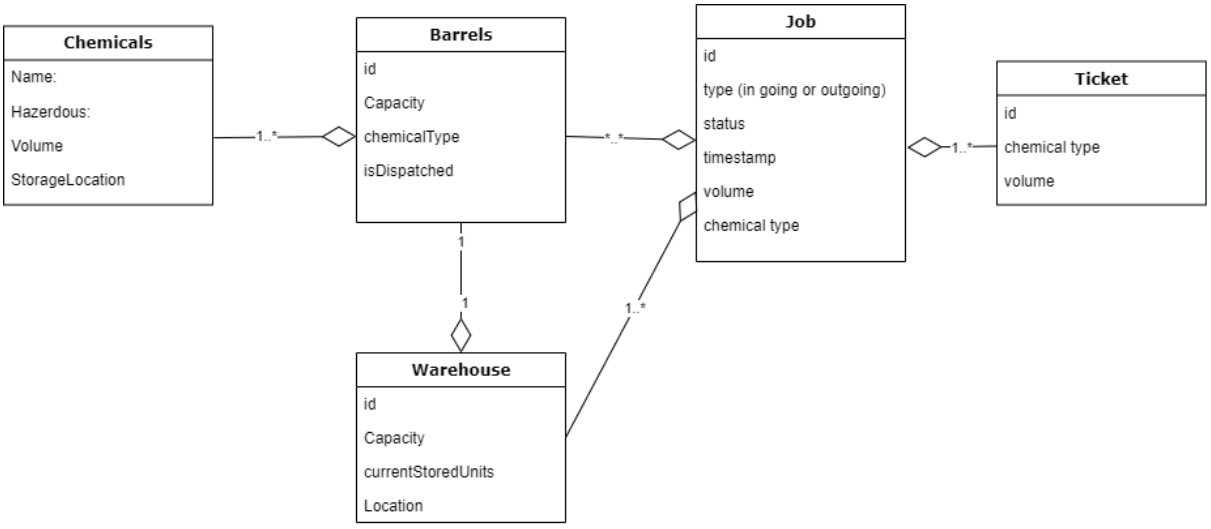
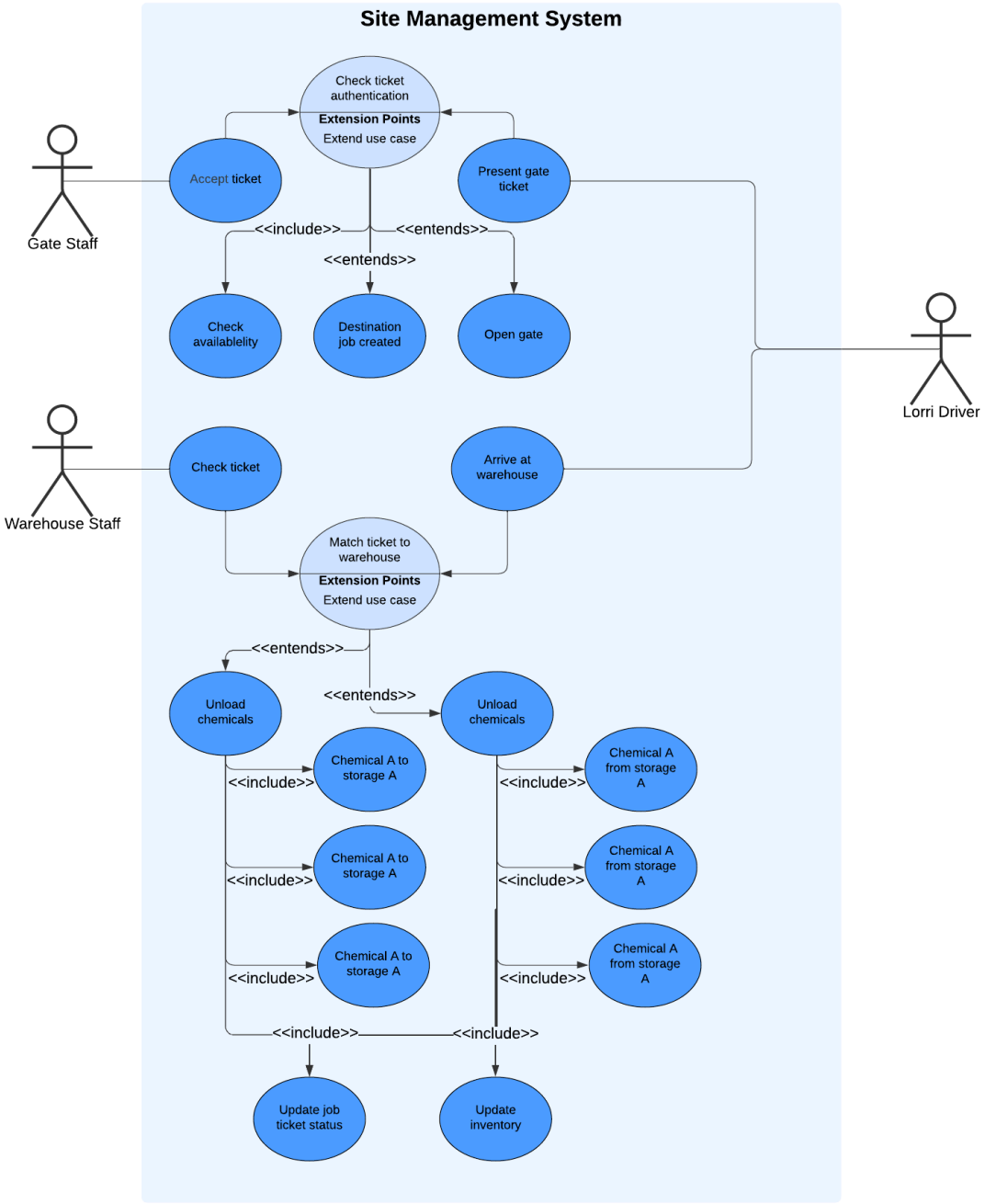
Build a domain model:



Visualize the functionalities of the system:



Write user stories:

1. As a gate guard, I want to be able to verify tickets so that I know whether there is enough warehouse space to store the content of the truck.

Acceptance Criteria:

- When a ticket can be looked up in the system and a clear answer regarding capacity is provided

2. As a gate guard, I want a job to automatically be raised when a ticket is accepted which contains details of where the chemicals should be stored so that the new chemicals are registered and sorted correctly.

Acceptance Criteria:

- When a ticket is looked up and there's sufficient storage, a job is automatically raised which shows where the newly received chemicals are to be stored

Inverse Criteria:

- Chemical A and B are never to be stored at the same warehouse
- Chemical A is never to be stored in multiple adjacent warehouses

3. As a warehouse staff, I want to be able to mark a job as "Content matches ticket" so that there's no risk of misinformation

Acceptance Criteria:

- A job can be marked as "Content matches ticket"

4. As a warehouse staff, I want to be able to mark a job as "confirmed" so that it is clear when a job is complete

Acceptance Criteria:

- A job can be marked as "Confirmed"

5. As a gate guard, I want to be able to raise a job, which contains details of where the barrels are to be collected from so that it is clear which warehouse will provide the required goods.

Acceptance Criteria:

- When a job can be raised that shows which warehouse the desired goods are stored in.

6. As a warehouse staff, I want a job to be marked as "confirmed" when the loading process is done so that

Acceptance Criteria:

- When a job can be marked as confirmed

7. As the system, I want to send an alert to the local fire brigade if there's more than 15k class A units so that they are aware of the risk of a serious fire emergency

Acceptance Criteria:

- The system sends an automatic alert to the local fire brigade when storage holds more than 15k class A chemical

8. As the system, I want to send an alert to the local fire brigade if there's a spillage or fire

Acceptance Criteria:

- The system sends an automatic alert to the local fire brigade when there is a spillage or fire

9. As a system, I want to be able to provide an inventory report so that in case of spillage or fire, the storage and potential danger is clear

Acceptance Criteria:

- An inventory report is provided in case of spillage or fire

10. As a system, I want the system to be able to provide auditing information for the site, showing storage and movement of chemicals so that data related to the site is well accessible

Acceptance Criteria:

- The system is able to provide auditing information for the site, showing storage and movement of chemicals
- The must be resilient to a disaster such as a catastrophic site accident

11. As a system, I want to be able to run on an existing network and communicate with external services such as the fire department so that services can be reached in case of emergency or other

Acceptance Criteria:

- The system can run on an existing network and communicate with external services