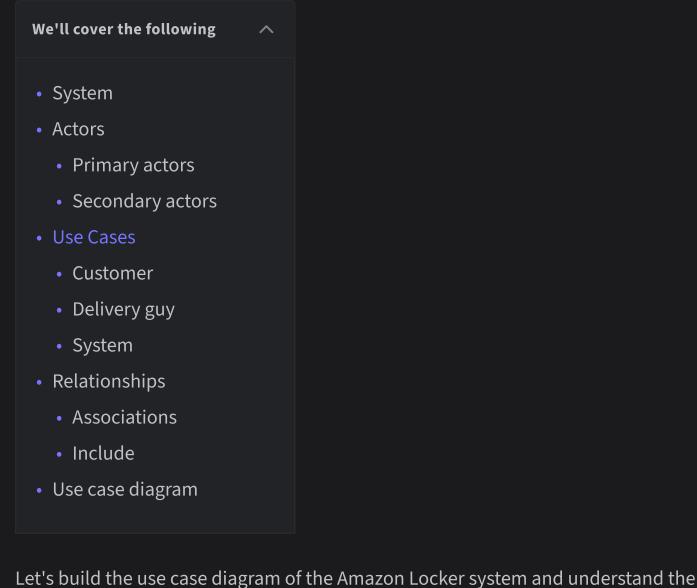
Use Case Diagram for the Amazon Locker **Service**

Learn how to define use cases and create the corresponding use case diagram for the Amazon Locker system.



relationship between its different components.

First, we'll define the different elements of our system, followed by the complete use case diagram of the system.

System Our system is "Amazon Locker."

Actors

Now, we'll define the main actors of our Amazon Locker system.

• **Customer:** This is Amazon's customer who ordered a package delivered to the Amazon Locker. It can enter the code at the locker and get its product. This actor

can also request a return and put the package back at the locker.

• **Delivery guy:** This can also enter the code and add the product to the locker so the "Customer" can pick it up. This actor can pick up a returned package from

the locker.

Primary actors

- **Secondary actors**
 - **System:** This can send the delivery and due date notifications, generate code, validate code, and choose a locker. It can also find the locker and open or close the locker door.

Use Cases This section will define the use cases for lockers. We have listed the use cases

Note: You will see some use cases occurring multiple times because they are shared among different actors in the system.

according to their respective interactions with a particular actor.

 Add product: To add a product to the locker **Remove product:** To pick up the product from the locker

Delivery notification: To notify about the product location status

Submit return request: To submit a return request to return a product

Delivery guy

Customer

• Overdue notification: To notify if the date and time for the product pickup are passed

• **Enter code:** To enter the code to open a locker

• **Enter code:** To enter the code to open a locker

Return notification: To notify about the product return status

• Add product: To add a product to the locker **Remove product:** To pick up the product from the locker

Issue locker: To issue the appropriate locker depending upon product size

We describe the relationships between and among actors and their use cases in this

Overdue notification: To notify if the date and time for the product pickup are

System

passed

section.

cases.

Include

Find locker: To find the locker as per the code entered

• Validate code: To validate the locker code entered

Return notification: To notify about the product return status **Generate code:** To generate the locker code

Lock/unlock door: To lock or unlock the door lock

Relationships

Customer

Remove product

Delivery notification

Submit return request

Overdue notification

unlocks the door. This means that:

Associations

• **Delivery notification:** To notify about the product location status

The table below shows the association relationship between actors and their use

Enter code Enter code Validate code Find locker Add product Add product

Delivery Guy

Remove product

Return notification

System

Lock/unlock door

Return notification

Generate code

Issue locker

Overdue notification

Delivery notification

 The "Enter code" use case has an include relationship with the "Validate code" use case.
 The "Validate code" use case has an include relationship with the "Find locker" use case.
 The "Find locker" use case has an include relationship with the "Lock/unlock door" use case.
 To return a product, the customer must go to the Amazon website and submit a return request. After the approval of the request, Amazon Locker will generate a code that will be used to access the locker.
 The "Submit return request" use case has an include relationship with the "Request notification" use case.
 The "Request notification" use case has an include relationship with the "Generate code" use case.
Use case diagram

Amazon locker

Validate code

Return

notification

Generate code

In the next lesson, we will discuss the class diagram with a detailed explanation of all

<<include>>

<<include>>

<<include>>

Find locker

Lock/unlock

door

Issue locker

System

Here's the use case diagram for the Amazon Locker system:

<<include>>

<<include>>

• When a "Customer" enters a code, the system then checks if the code is correct

or not and finds the locker according to the code entered. Then, the system

Enter code

Submit return

request

Add product

classes and their relationship with each other.

Delivery guy

Customer Delivery Overdue Remove product notification notification The use case diagram for the Amazon Locker system