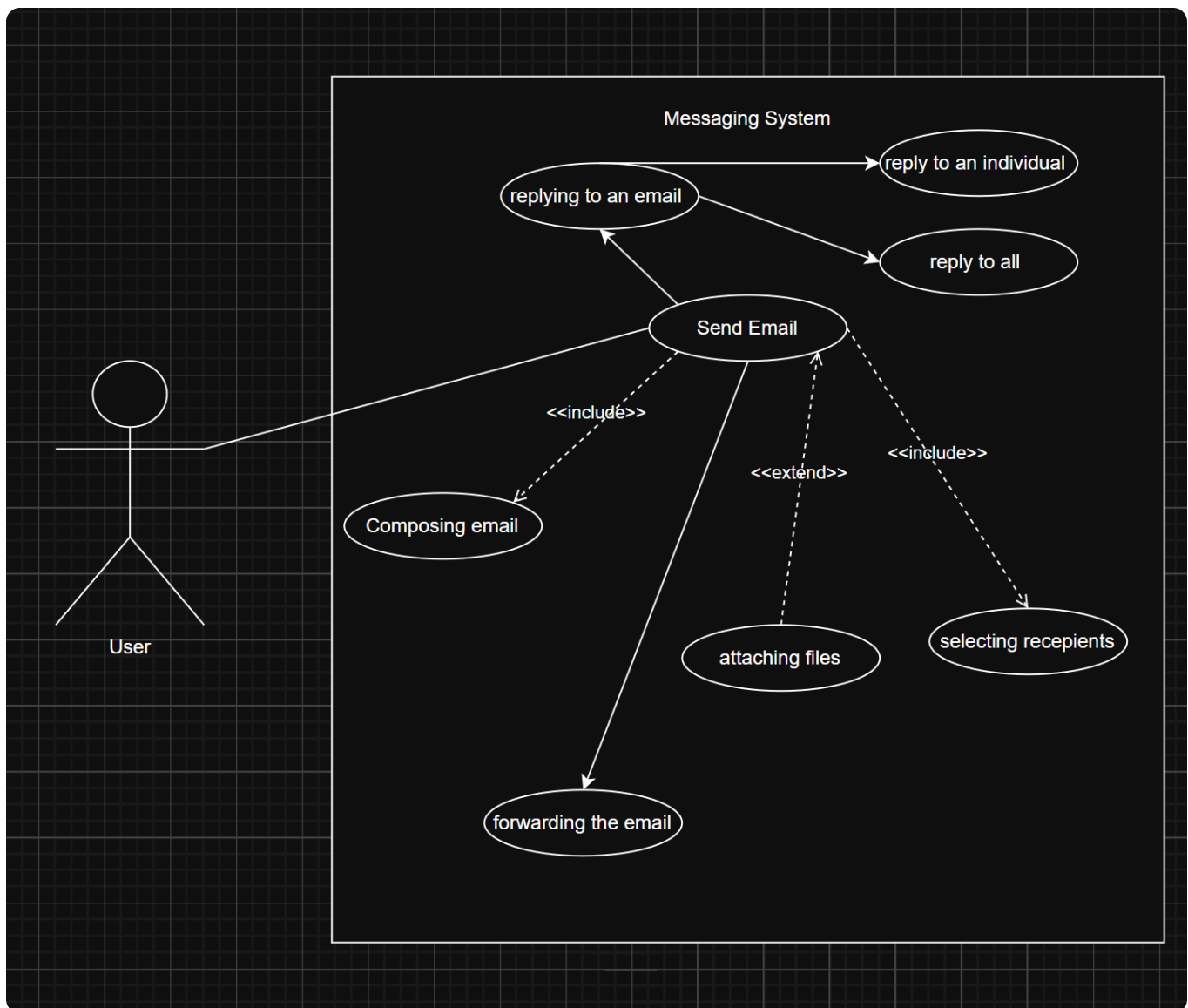


Software engineering 08-10-2025 - TP - Use case - UML

Use Case Description Attributes

Attribute	Description
Use Case Name	<ul style="list-style-type: none">- Describes a behavior (use verbs)- Name should be short, meaningful, and unique
ID	Numeric identifier, unique for each use case
Brief Description	One paragraph summarizing the use case
Primary Actors	Actors who initiate the use case
Secondary Actors	Actors who interact with the use case
Preconditions	<ul style="list-style-type: none">- System state before execution- Must be true before starting the use case
Postconditions	<ul style="list-style-type: none">- System state after execution- Must be true once the use case is completed
Basic Path / Main Flow	- Typical sequence of steps when everything goes as expected during the execution of the use case
Alternative Paths / Exceptions	- What happens if something goes wrong or optional branches occur

Exercise 2:



i chose to let replying and forwarding use cases to be inherited, in order to inherit all the include and extend cases from the parent use case.

Based on the Messaging System use case diagram, here's the use case table for "Send Email":

Attribute	Description
Use Case Name	Send Email
ID	001
Brief Description	User composes and sends an email to recipients with optional attachments
Primary Actors	User
Secondary Actors	-
Preconditions	- User is logged in - Valid email account exists

Attribute	Description
Postconditions	<ul style="list-style-type: none"> - Email is sent successfully - Email saved in sent folder
Basic Path / Main Flow	<ol style="list-style-type: none"> 1. User starts composing email 2. User writes message and selects recipients 3. User attaches files (optional) 4. User clicks send 5. System sends email and confirms delivery
Alternative Paths / Exceptions	<p>Reply to Individual: User replies to sender only</p> <p>Reply to All: User replies to all recipients</p> <p>Forward: User forwards email to new recipients</p> <p>Attachment too large: System tells the user to reduce size</p> <p>failed to be send: Email saved in draft for another time</p>

Exercise 3: