

Chat App Use Case Model

Package «system» in package 'Model'

Chat App Use Case Model

Version Phase 1.0 Proposed

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Use Case Model diagram

Use Case diagram in package 'Chat App Use Case Model'

Use Case Model

Version 1.0

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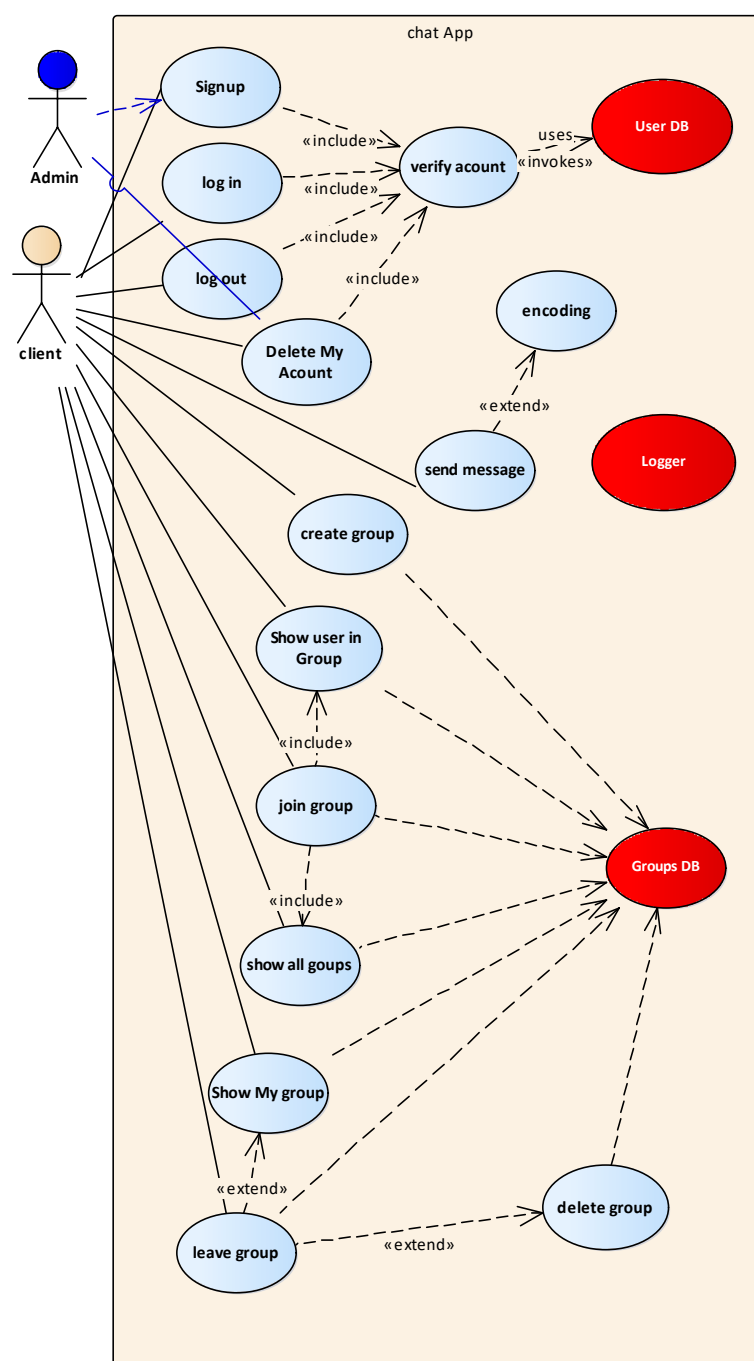


Figure 1: Use Case Model

Actors

Package in package 'Chat App Use Case Model'

Actors

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Actors diagram

Use Case diagram in package 'Actors'

Actors

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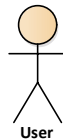


Figure 2: Actors

User

Actor in package 'Actors'

User


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OUTGOING BEHAVIORAL RELATIONSHIPS


Sequence from User to Object1

CONNECTORS

 **UseCaseLink** Source -> Destination

From: User : Actor, Public

To: Use Case2 : UseCase, Public

 **UseCaseLink** Source -> Destination

From: User : Actor, Public

To: Use Case1 : UseCase, Public

Primary Use Cases

Package in package 'Chat App Use Case Model'

Primary Use Cases

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Primary Use Cases diagram

Use Case diagram in package 'Primary Use Cases'

Primary Use Cases

Version 1.0

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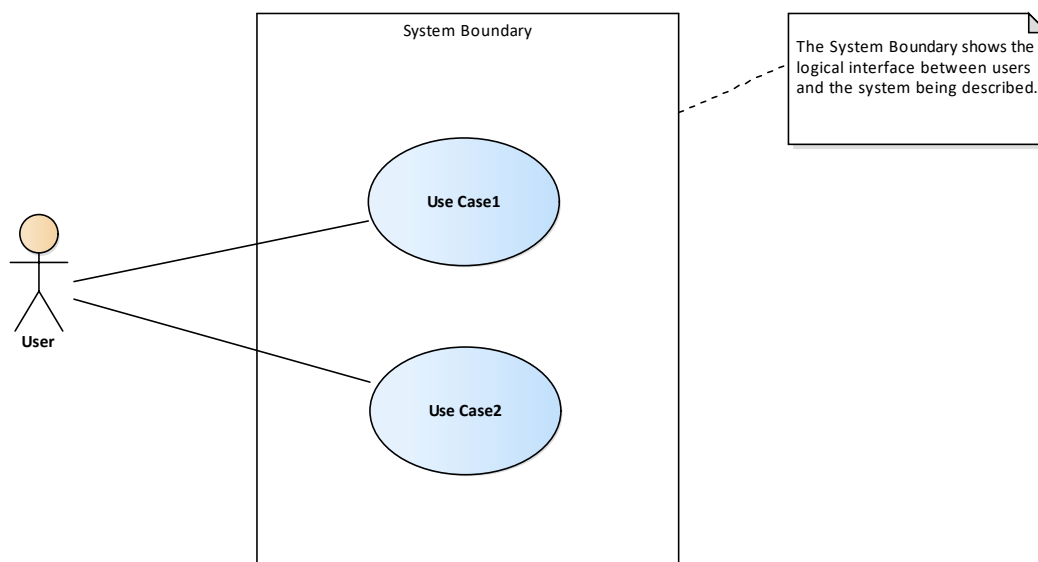


Figure 3: Primary Use Cases

Use Case1


UseCase in package 'Primary Use Cases'

Use Case1


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ELEMENTS OWNED BY Use Case1

 Object1 : Sequence

CONNECTORS

 **UseCaseLink** Source -> Destination
 From: User : Actor, Public
 To: Use Case1 : UseCase, Public

Use Case1 diagram

Interaction diagram in package 'Primary Use Cases'

Use Case1

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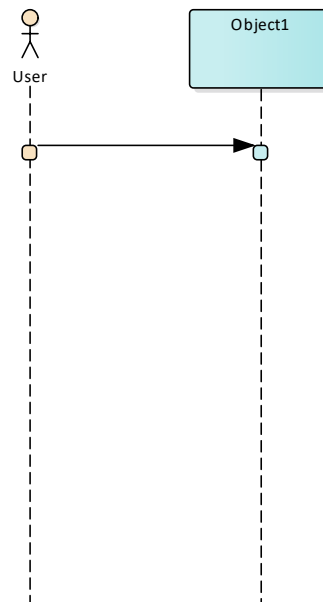


Figure 4: Use Case1

INTERACTION MESSAGES

✉ 1.0 " from 'User' sent to 'Object1'.

Synchronous Call.

[Return is False. Iteration is False. New group is False.]

Object1

Sequence owned by 'Use Case1', in package 'Primary Use Cases'

Object1

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INCOMING BEHAVIORAL RELATIONSHIPS

➡ Sequence from User to Object1

Use Case2

UseCase in package 'Primary Use Cases'

Use Case2

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CONNECTORS



UseCaseLink Source -> Destination

From: User : Actor, Public

To: Use Case2 : UseCase, Public

Actor1

Actor in package 'Chat App Use Case Model'

Actor1

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Admin

Actor in package 'Chat App Use Case Model'

will be implemented in ver 2.0

Admin

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CONNECTORS



Dependency Source -> Destination

From: Admin : Actor, Public

To: Signup : UseCase, Public

ASSOCIATIONS



Association (direction: Unspecified)

Source: Public (Actor) Admin

Target: Public (UseCase) Delete My Account

client

Actor in package 'Chat App Use Case Model'


client


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CONNECTORS


CONNECTORS


 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: send message : UseCase, Public


 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: join group : UseCase, Public


 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: Delete My Account : UseCase, Public


 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: show all groups : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: log in : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: create group : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: leave group : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: Show My group : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: Signup : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) client

Target: Public (UseCase) Show user in Group

 Association (direction: Unspecified)

Source: Public (Actor) client

Target: Public (UseCase) log out



client 2

Actor in package 'Chat App Use Case Model'

client 2

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ASSOCIATIONS	
 Provider (direction: Unspecified) «Provider»	
Source: Public (Actor) client 2	Target: Public (UseCase) join group
 Provider (direction: Unspecified) «Provider»	
Source: Public (Actor) client 2	Target: Public (UseCase) create group







logger


Actor in package 'Chat App Use Case Model'

logger

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ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) join group
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) delete group
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) leave group
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) log in
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) create group
 Association (direction: Unspecified)	

ASSOCIATIONS	
Source: Public (Actor) logger	Target: Public (UseCase) Signup
 Association (direction: Unspecified)	
Source: Public (Actor) logger	Target: Public (UseCase) log out

server

Actor in package 'Chat App Use Case Model'

server that manage all the communication

server

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CONNECTORS	
 UseCaseLink Source -> Destination From: server : Actor, Public To: Groups DB : UseCase, Public	
 UseCaseLink Source -> Destination From: server : Actor, Public To: send message : UseCase, Public	

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) server	Target: Public (UseCase) delete group
 Association (direction: Unspecified)	
Source: Public (Actor) server	Target: Public (UseCase) join group
 Association (direction: Unspecified)	
Source: Public (Actor) server	Target: Public (UseCase) create group
 Association (direction: Unspecified)	
Source: Public (Actor) server	Target: Public (UseCase) verify account
 Provider (direction: Unspecified) «Provider»	
Source: Public (Actor) server	Target: Public (UseCase) User DB

ASSOCIATIONS
 Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) leave group


Delete My Account

UseCase in package 'Chat App Use Case Model'

Delete My Account


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CONNECTORS
 **Include** «include» Source -> Destination

From: Delete My Account : UseCase, Public

To: verify account : UseCase, Public

 **UseCaseLink** Source -> Destination

From: client : Actor, Public

To: Delete My Account : UseCase, Public

ASSOCIATIONS
 Association (direction: Unspecified)

Source: Public (Actor) Admin

Target: Public (UseCase) Delete My Account


Groups DB

UseCase in package 'Chat App Use Case Model'

Groups DB

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CONNECTORS
 **Dependency** Source -> Destination

From: Show My group : UseCase, Public


To: Groups DB : UseCase, Public


 **Dependency** Source -> Destination


From: join group : UseCase, Public


To: Groups DB : UseCase, Public


CONNECTORS


 **UseCaseLink** Source -> Destination
 From: server : Actor, Public
 To: Groups DB : UseCase, Public

 **Dependency** Source -> Destination
 From: leave group : UseCase, Public
 To: Groups DB : UseCase, Public

 **Dependency** Source -> Destination
 From: create group : UseCase, Public
 To: Groups DB : UseCase, Public

 **Dependency** Source -> Destination
 From: show all groups : UseCase, Public
 To: Groups DB : UseCase, Public

 **Dependency** Source -> Destination
 From: delete group : UseCase, Public
 To: Groups DB : UseCase, Public

 **Dependency** Source -> Destination
 From: Show user in Group : UseCase, Public
 To: Groups DB : UseCase, Public

Logger

UseCase in package 'Chat App Use Case Model'

Logger

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Show My group


UseCase in package 'Chat App Use Case Model'

Show My group


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CONNECTORS

 **Dependency** Source -> Destination
 From: Show My group : UseCase, Public
 To: Groups DB : UseCase, Public

CONNECTORS

 **Extend** «extend» Source -> Destination
 From: leave group : UseCase, Public
 To: Show My group : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: Show My group : UseCase, Public

Show user in Group


UseCase in package 'Chat App Use Case Model'


Show user in Group

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CONNECTORS

 **Dependency** Source -> Destination
 From: Show user in Group : UseCase, Public
 To: Groups DB : UseCase, Public

 **Include** «include» Source -> Destination
 From: join group : UseCase, Public
 To: Show user in Group : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) client

Target: Public (UseCase) Show user in Group

Signup


UseCase in package 'Chat App Use Case Model'

Signup


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CONNECTORS

 **Include** «include» Source -> Destination
 From: Signup : UseCase, Public
 To: verify account : UseCase, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: Admin : Actor, Public
 To: Signup : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: Signup : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) Signup

User DB


UseCase in package 'Chat App Use Case Model'

User DB

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CONNECTORS

 **Dependency** «invokes» uses Source -> Destination
 From: verify account : UseCase, Public
 To: User DB : UseCase, Public

ASSOCIATIONS

 Provider (direction: Unspecified) «Provider»

Source: Public (Actor) server

Target: Public (UseCase) User DB

create group


UseCase in package 'Chat App Use Case Model'

create group


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CONNECTORS

 **Dependency** Source -> Destination
 From: create group : UseCase, Public
 To: Groups DB : UseCase, Public

CONNECTORS

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: create group : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) create group

 Provider (direction: Unspecified) «Provider»

Source: Public (Actor) client 2

Target: Public (UseCase) create group

 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) create group

delete group


UseCase in package 'Chat App Use Case Model'


delete group

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CONNECTORS

 **Dependency** Source -> Destination
 From: delete group : UseCase, Public
 To: Groups DB : UseCase, Public

 **Extend** «extend» Source -> Destination

From: leave group : UseCase, Public

To: delete group : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) delete group

 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) delete group

encoding

UseCase in package 'Chat App Use Case Model'

encoding

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CONNECTORS



Extend «extend» Source -> Destination

From: send message : UseCase, Public

To: encoding : UseCase, Public

join group

UseCase in package 'Chat App Use Case Model'

join group

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CONNECTORS



Dependency Source -> Destination

From: join group : UseCase, Public

To: Groups DB : UseCase, Public



Include «include» Source -> Destination

From: join group : UseCase, Public

To: show all groups : UseCase, Public



Include «include» Source -> Destination

From: join group : UseCase, Public

To: Show user in Group : UseCase, Public



UseCaseLink Source -> Destination

From: client : Actor, Public

To: join group : UseCase, Public

ASSOCIATIONS



Provider (direction: Unspecified) «Provider»

Source: Public (Actor) client 2

Target: Public (UseCase) join group



Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) join group

ASSOCIATIONS
 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) join group


leave group

UseCase in package 'Chat App Use Case Model'

leave group


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CONNECTORS
 **Extend** «extend» Source -> Destination


From: leave group : UseCase, Public

To: Show My group : UseCase, Public

 **Dependency** Source -> Destination


From: leave group : UseCase, Public

To: Groups DB : UseCase, Public

 **Extend** «extend» Source -> Destination

From: leave group : UseCase, Public

To: delete group : UseCase, Public

 **UseCaseLink** Source -> Destination

From: client : Actor, Public

To: leave group : UseCase, Public

ASSOCIATIONS
 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) leave group

 Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) leave group

log in

UseCase in package 'Chat App Use Case Model'


login in to chat


log in

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CONNECTORS

 **Include** «include» Source -> Destination
 From: log in : UseCase, Public
 To: verify account : UseCase, Public

 **UseCaseLink** Source -> Destination
 From: client : Actor, Public
 To: log in : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) log in

log out


UseCase in package 'Chat App Use Case Model'

log out

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CONNECTORS

 **Include** «include» Source -> Destination
 From: log out : UseCase, Public
 To: verify account : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) logger

Target: Public (UseCase) log out

 Association (direction: Unspecified)

Source: Public (Actor) client

Target: Public (UseCase) log out

logger

UseCase in package 'Chat App Use Case Model'

logger

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send message

UseCase in package 'Chat App Use Case Model'

send message

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CONNECTORS
 Extend «extend» Source -> Destination From: send message : UseCase, Public To: encoding : UseCase, Public
 UseCaseLink Source -> Destination From: client : Actor, Public To: send message : UseCase, Public
 UseCaseLink Source -> Destination From: server : Actor, Public To: send message : UseCase, Public

server

UseCase in package 'Chat App Use Case Model'

server

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show all groups

UseCase in package 'Chat App Use Case Model'


show all groups

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CONNECTORS
 Dependency Source -> Destination From: show all groups : UseCase, Public To: Groups DB : UseCase, Public
 UseCaseLink Source -> Destination From: client : Actor, Public To: show all groups : UseCase, Public

CONNECTORS

 **Include** «include» Source -> Destination
 From: join group : UseCase, Public
 To: show all groups : UseCase, Public

verify account


UseCase in package 'Chat App Use Case Model'


verify account


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CONNECTORS

 **Dependency** «invokes» uses Source -> Destination
 From: verify account : UseCase, Public
 To: User DB : UseCase, Public

 **Include** «include» Source -> Destination
 From: log in : UseCase, Public
 To: verify account : UseCase, Public

 **Include** «include» Source -> Destination
 From: log out : UseCase, Public
 To: verify account : UseCase, Public

 **Include** «include» Source -> Destination
 From: Signup : UseCase, Public
 To: verify account : UseCase, Public

 **Include** «include» Source -> Destination
 From: Delete My Account : UseCase, Public
 To: verify account : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) server

Target: Public (UseCase) verify account