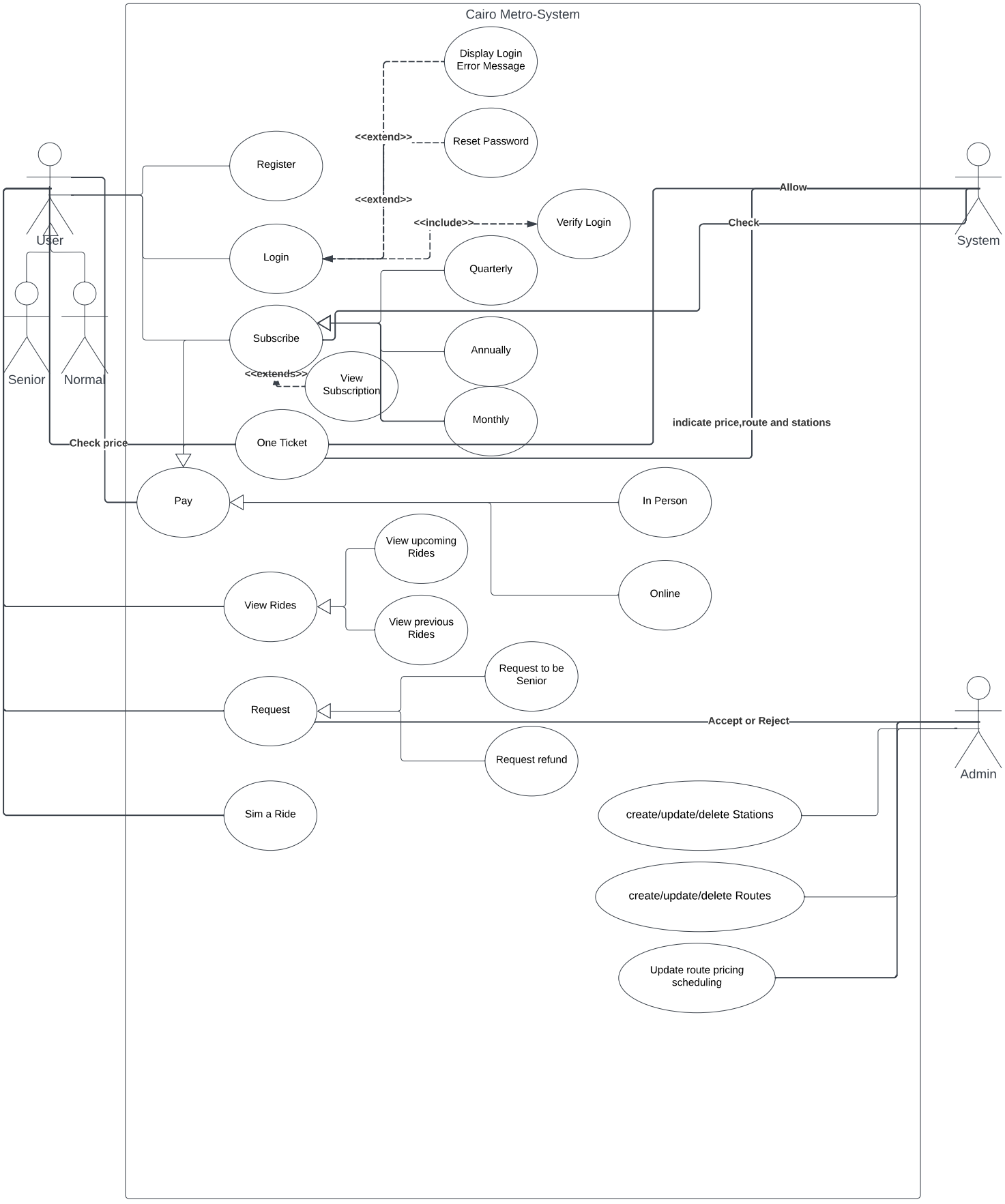
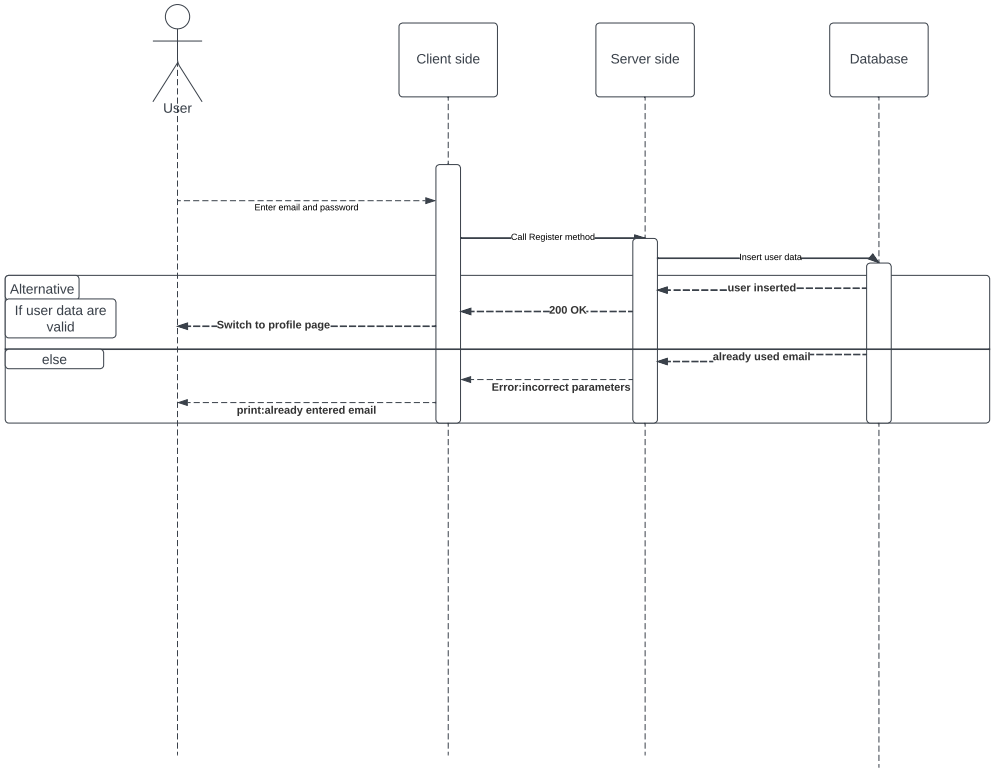
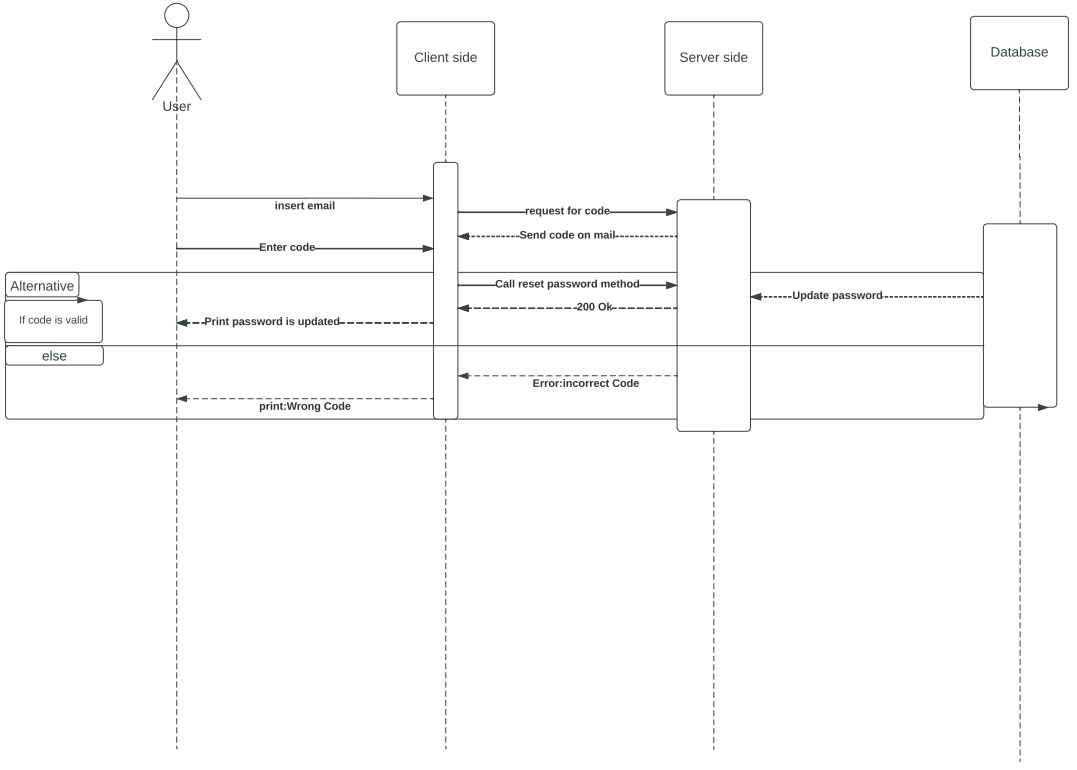
Use Case Diagram



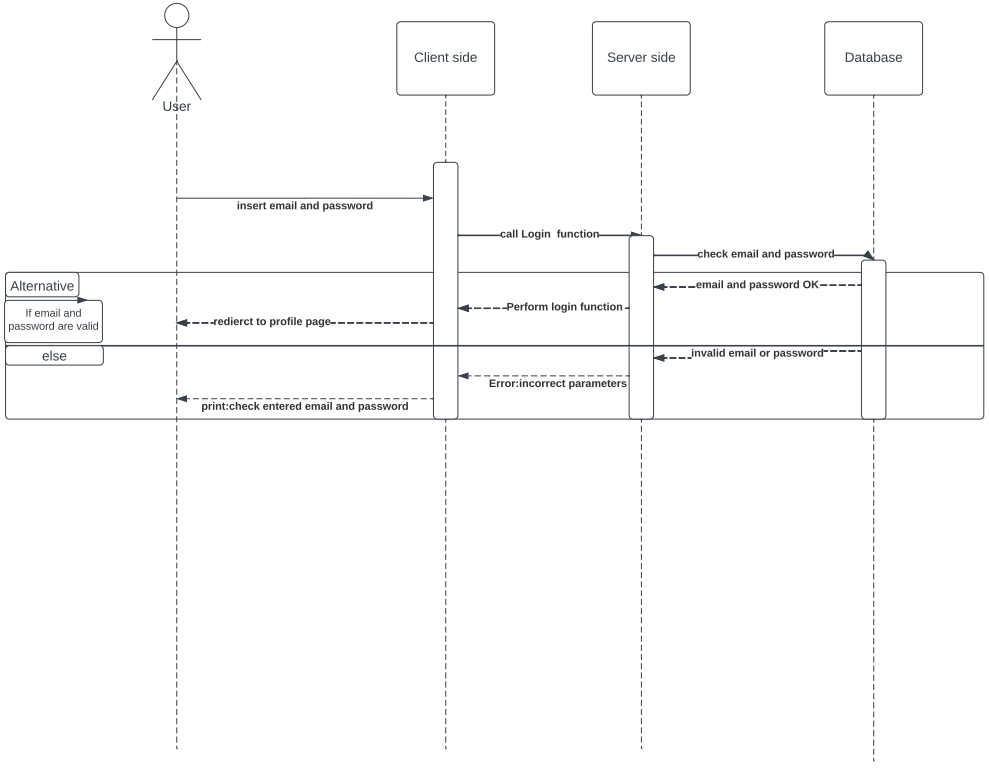
1-User Register

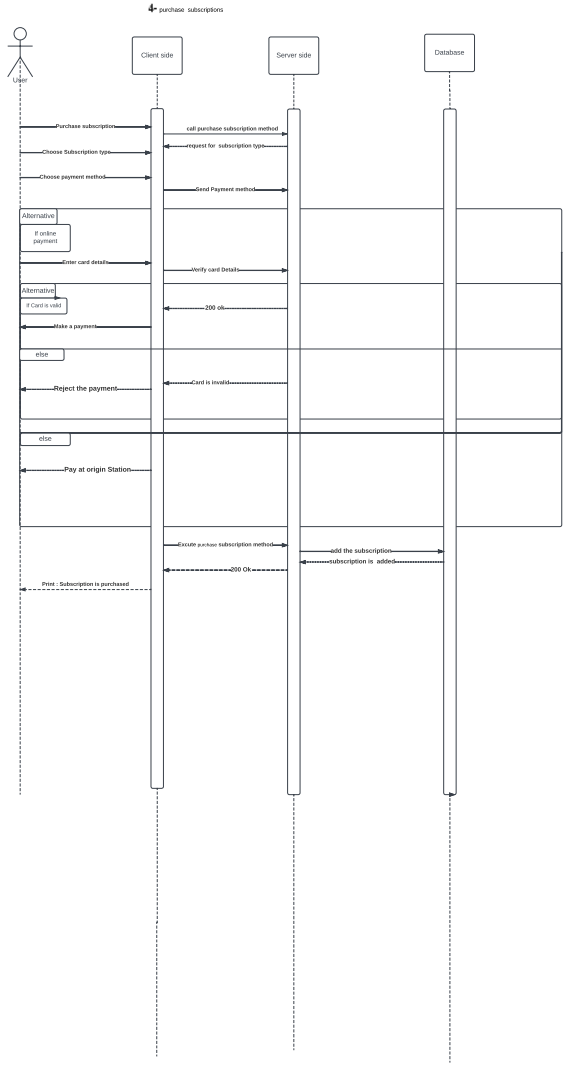


2- User reset password

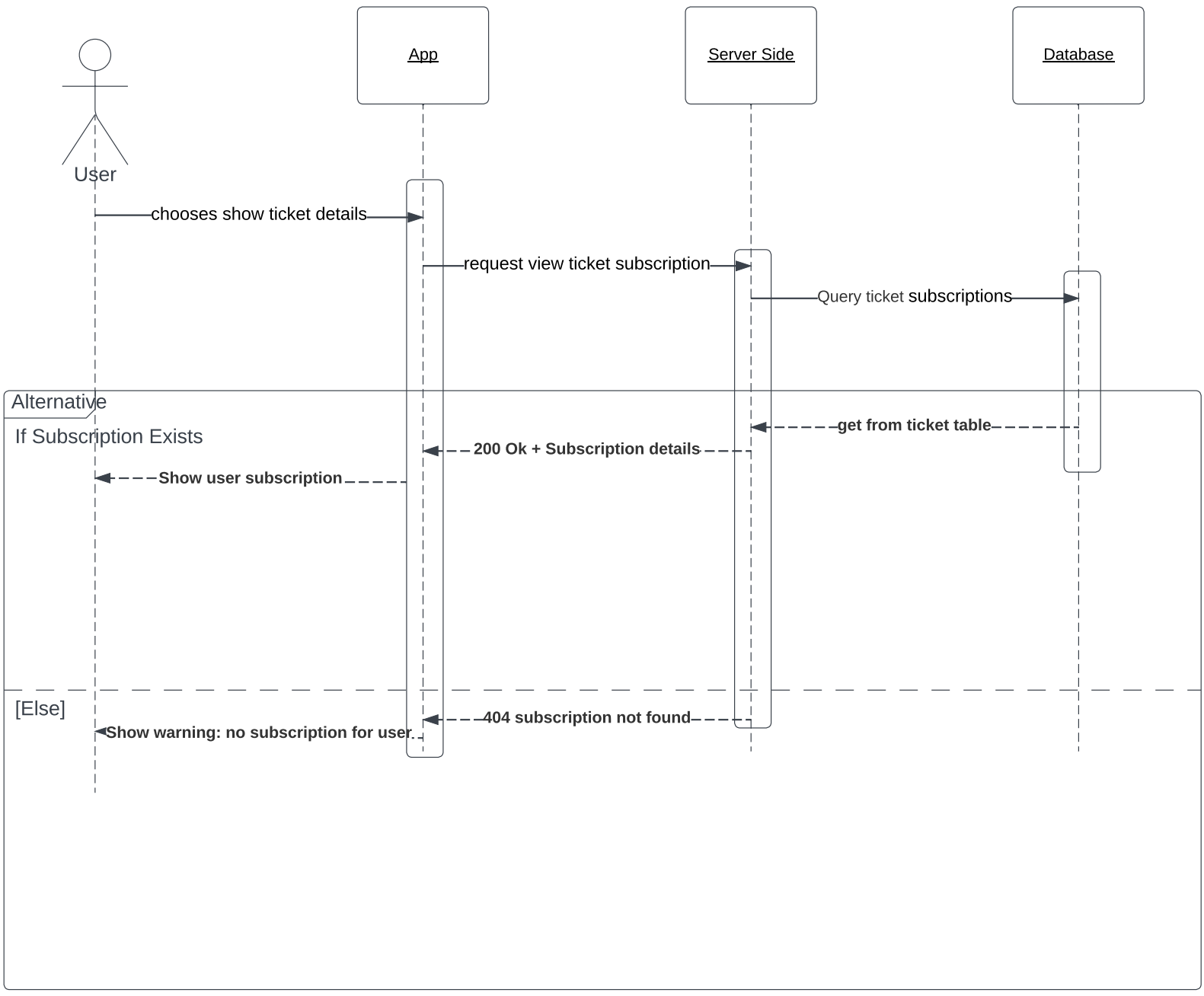


3- User login

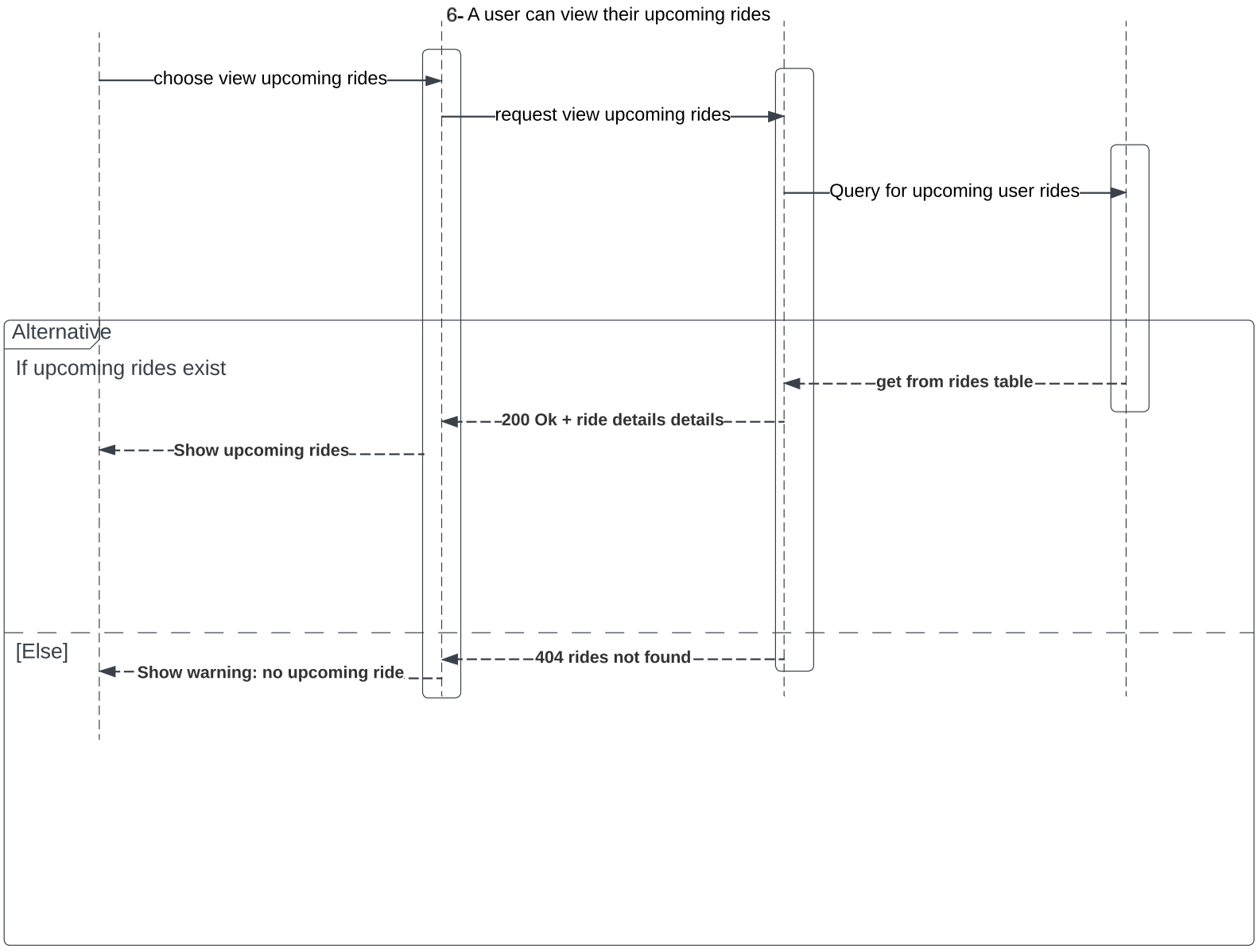

User
Client side
Server side
Database
insert email and password
call Login function
check email and password
email and password OK
Alternative
If email and password are valid
redierct to profile page
Perform login function
else
invalid email or password
Error:incorrect parameters
print:check entered email and password


purchase subscriptions
User
Client side
Server side
Database
Purchase subscription
call purchase subscription method
request for subscription type
Choose Subscription type
Choose payment method
Send Payment method
Alternative
If online payment
Enter card details
Verify card Details
Alternative
If Card is valid
200 ok
Make a payment
else
Reject the payment
Card is invalid
else
Pay at origin Station
Excute purchase subscription method
add the subscription
subscription is added
200 Ok
Print : Subscription is purchased

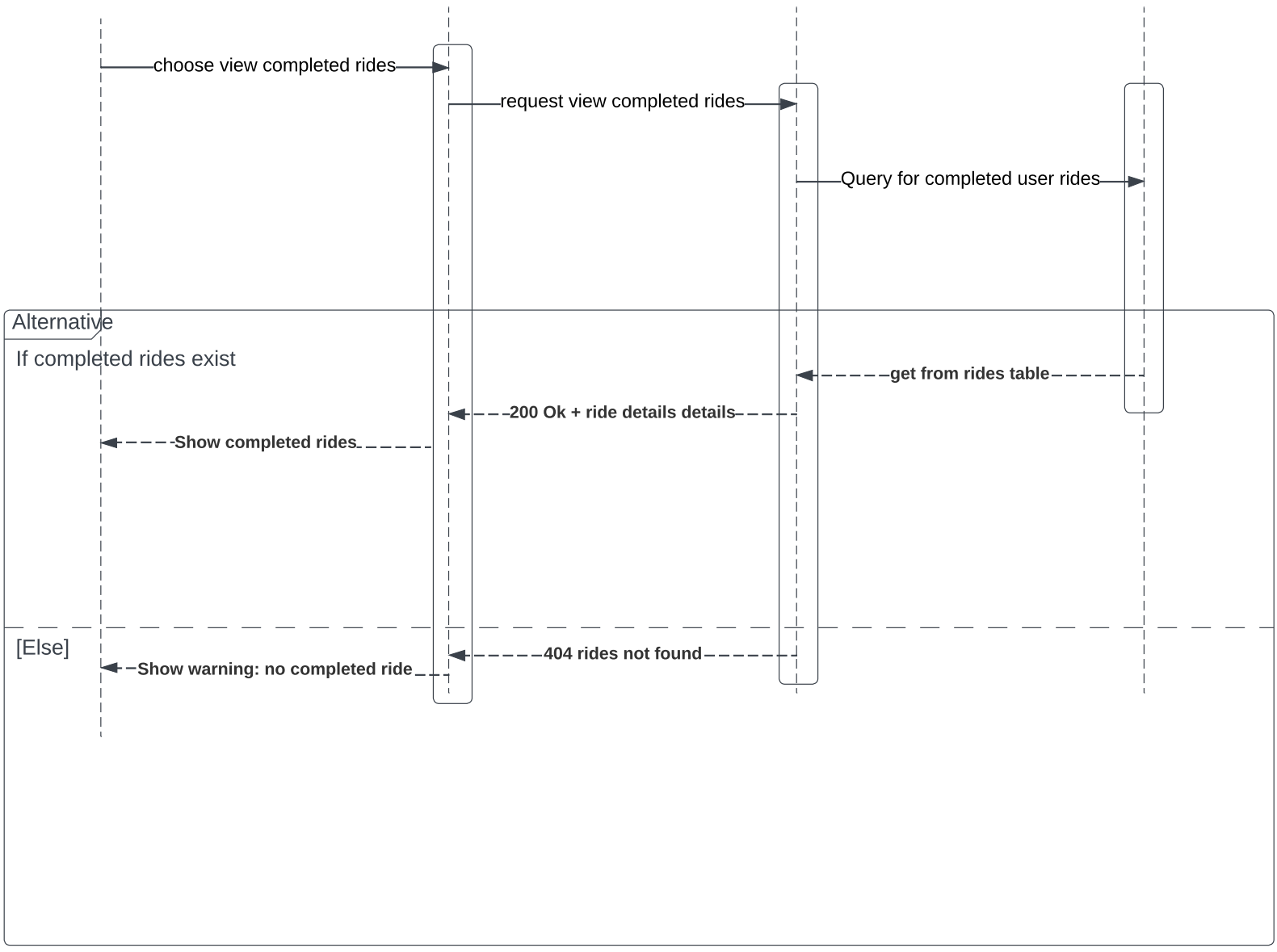
5- A user can view their ticket subscriptions

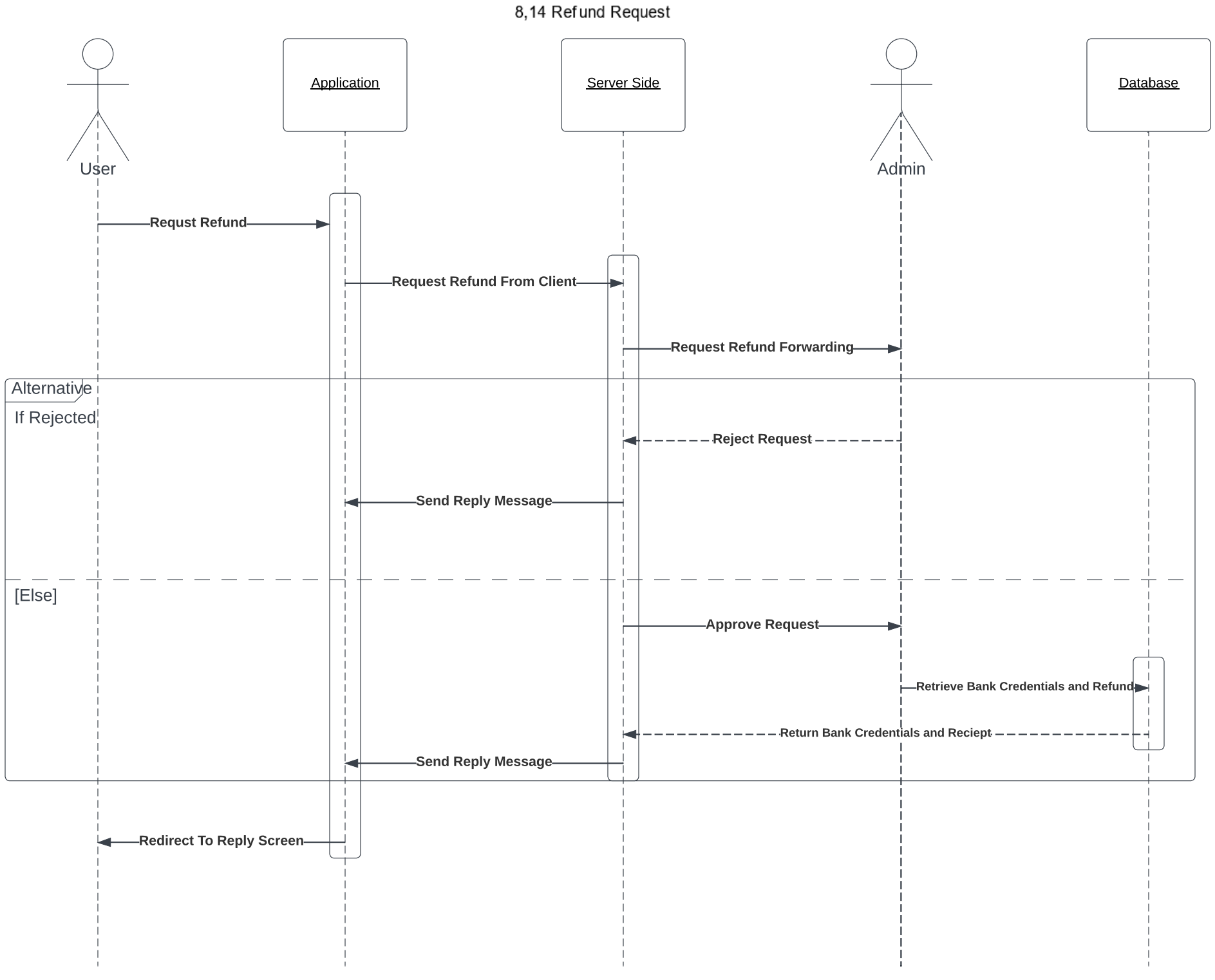


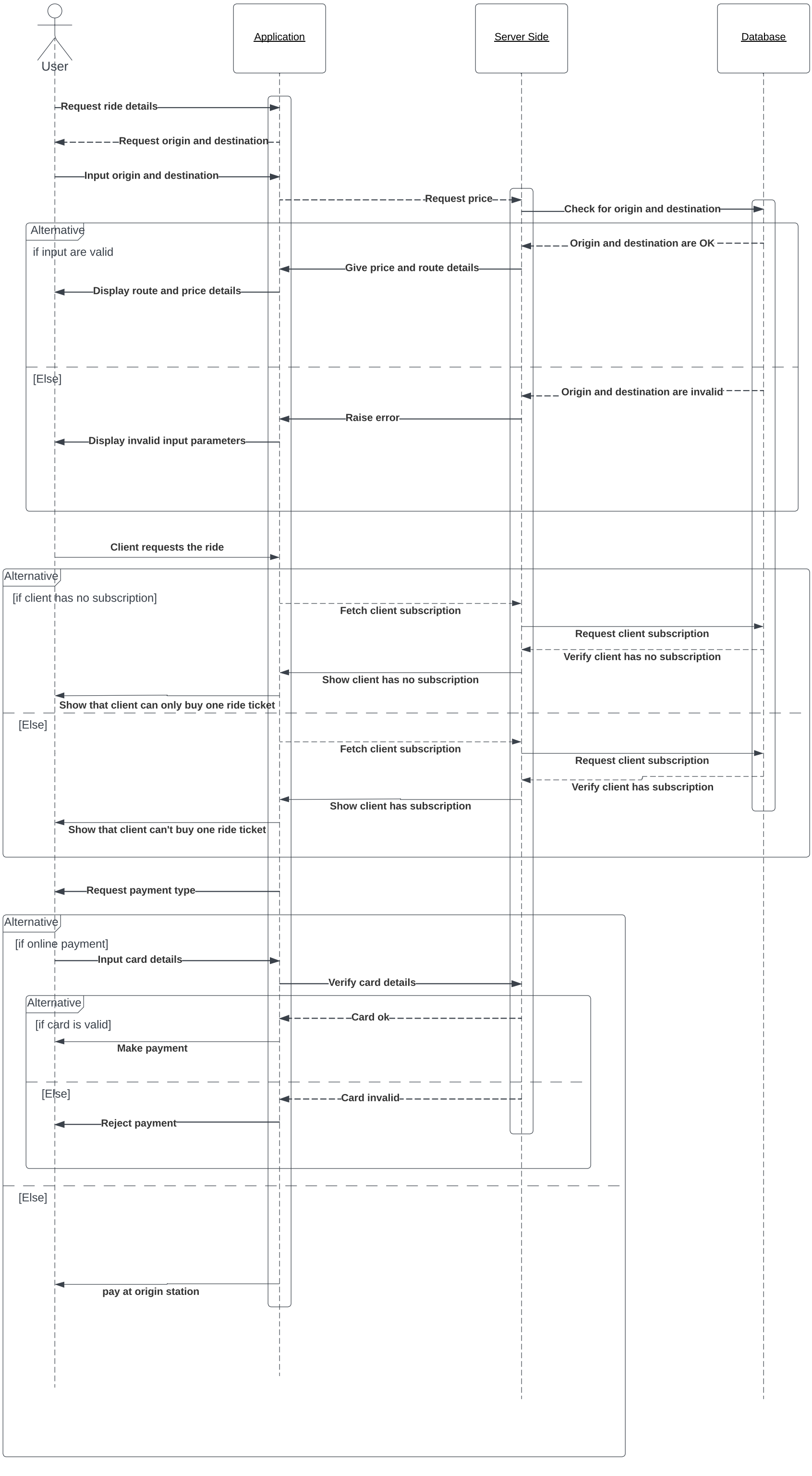
6- A user can view their upcoming rides



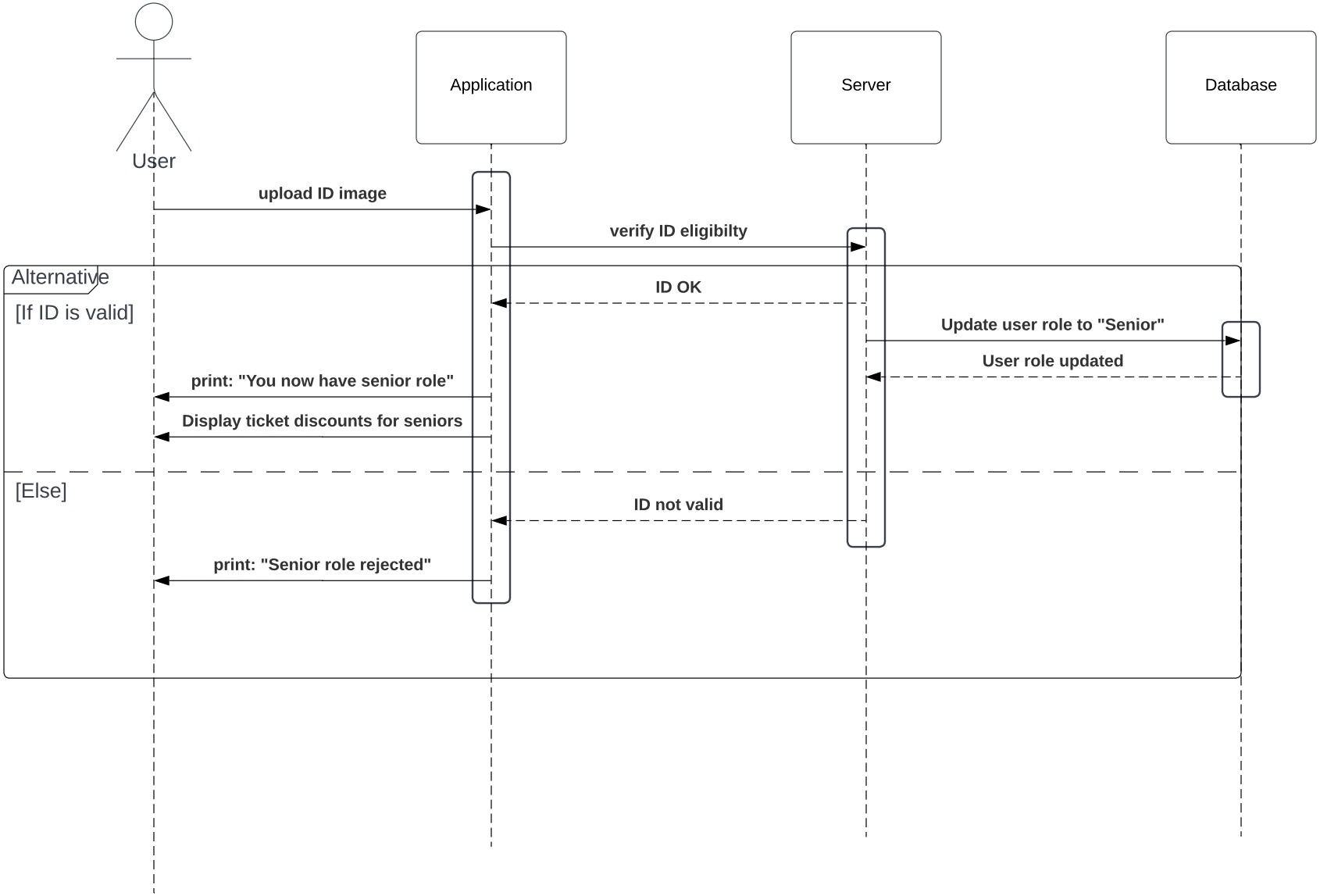
7- A user can view their completed rides

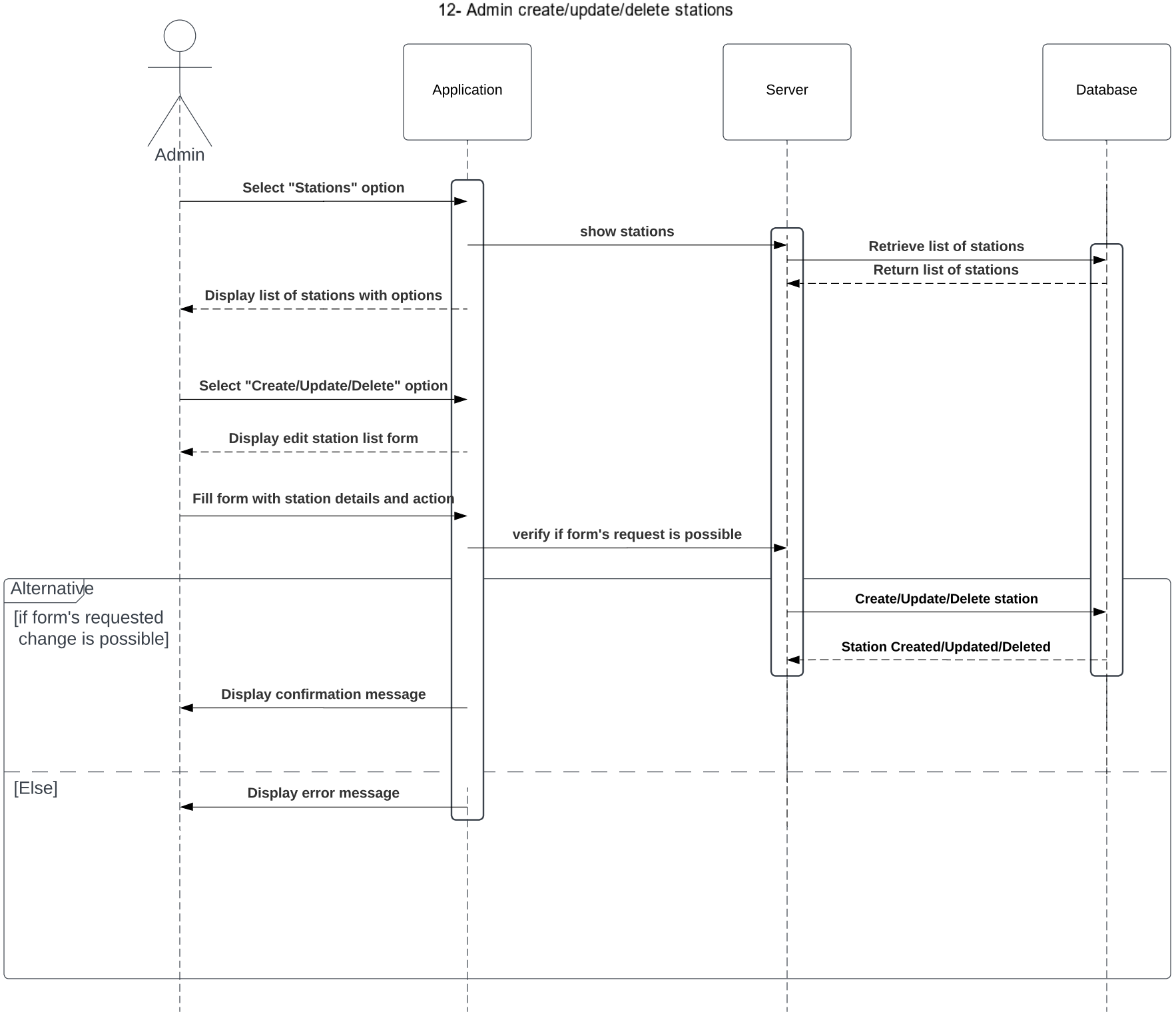


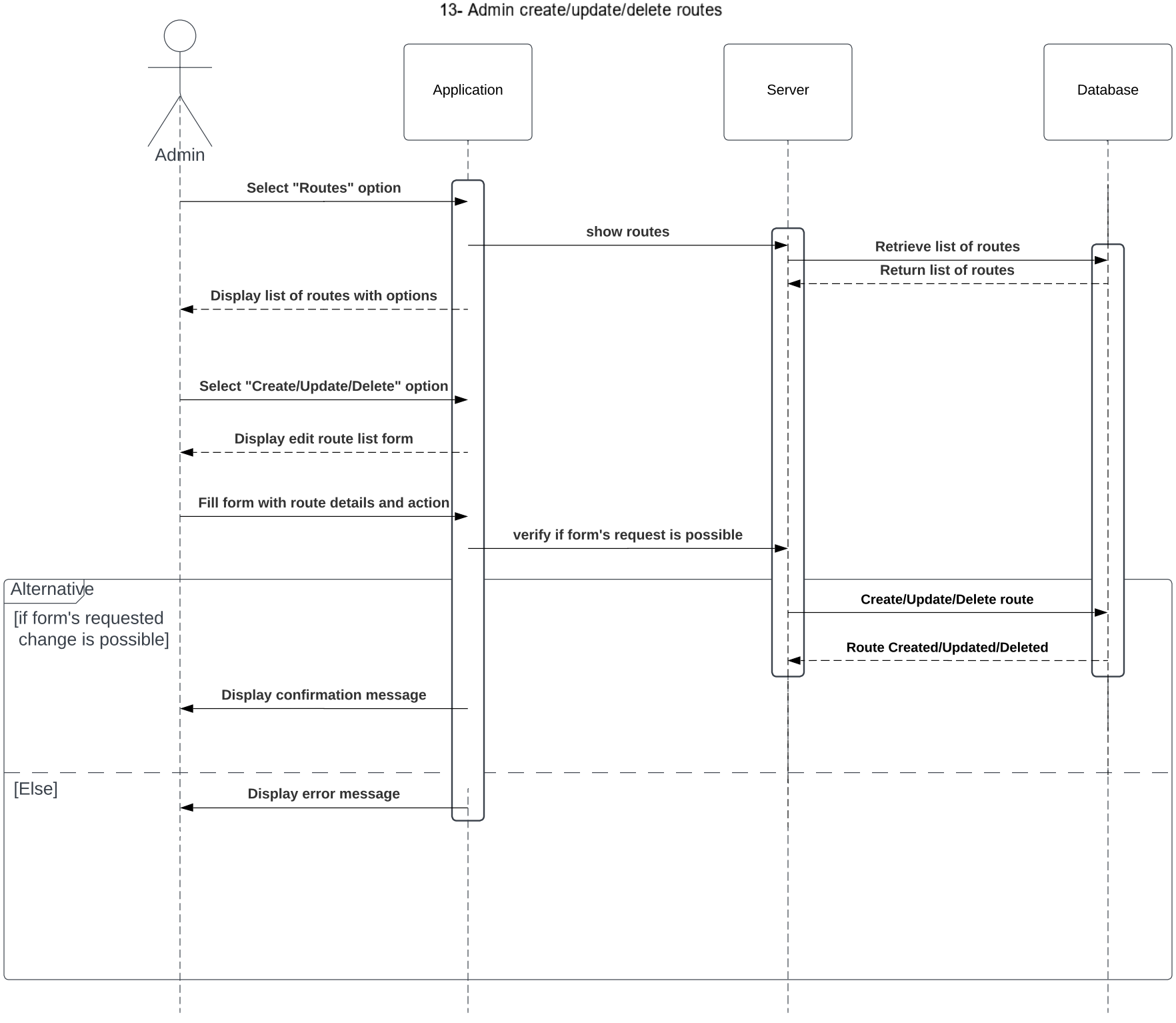

8,14 Refund Request
User
Application
Server Side
Admin
Database
Requst Refund
Request Refund From Client
Request Refund Forwarding
Alternative
If Rejected
Reject Request
Send Reply Message
[Else]
Approve Request
Retrieve Bank Credentials and Refund
Return Bank Credentials and Reciept
Send Reply Message
Redirect To Reply Screen


User
Application
Server Side
Database
Request ride details
Request origin and destination
Input origin and destination
Request price
Check for origin and destination
Alternative
if input are valid
Origin and destination are OK
Give price and route details
Display route and price details
[Else]
Origin and destination are invalid
Raise error
Display invalid input parameters
Client requests the ride
Alternative
[if client has no subscription]
Fetch client subscription
Request client subscription
Verify client has no subscription
Show client has no subscription
Show that client can only buy one ride ticket
[Else]
Fetch client subscription
Request client subscription
Verify client has subscription
Show client has subscription
Show that client can't buy one ride ticket
Request payment type
Alternative
[if online payment]
Input card details
Verify card details
Alternative
[if card is valid]
Card ok
Make payment
[Else]
Card invalid
Reject payment
[Else]
pay at origin station

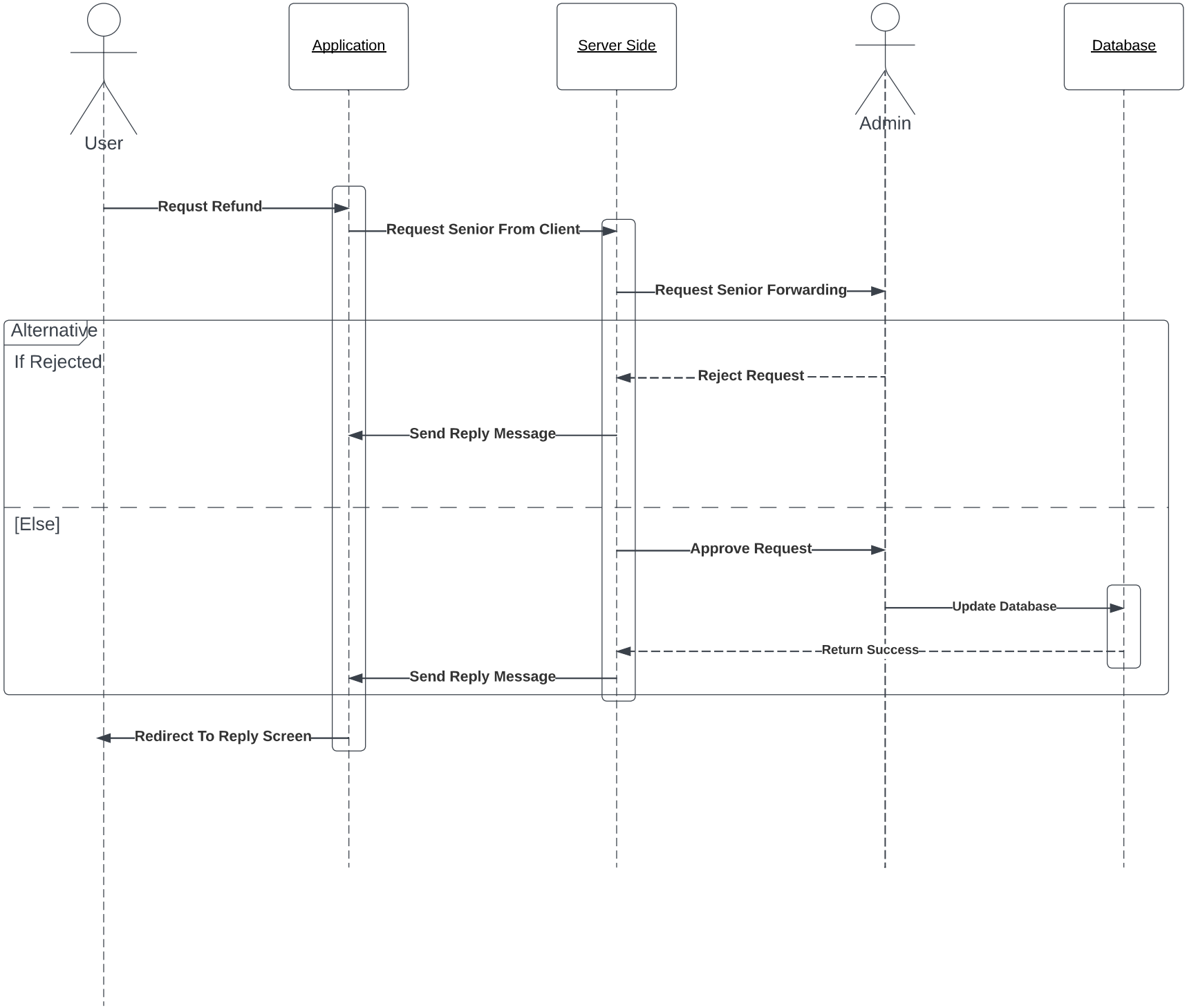
11- Request Senior



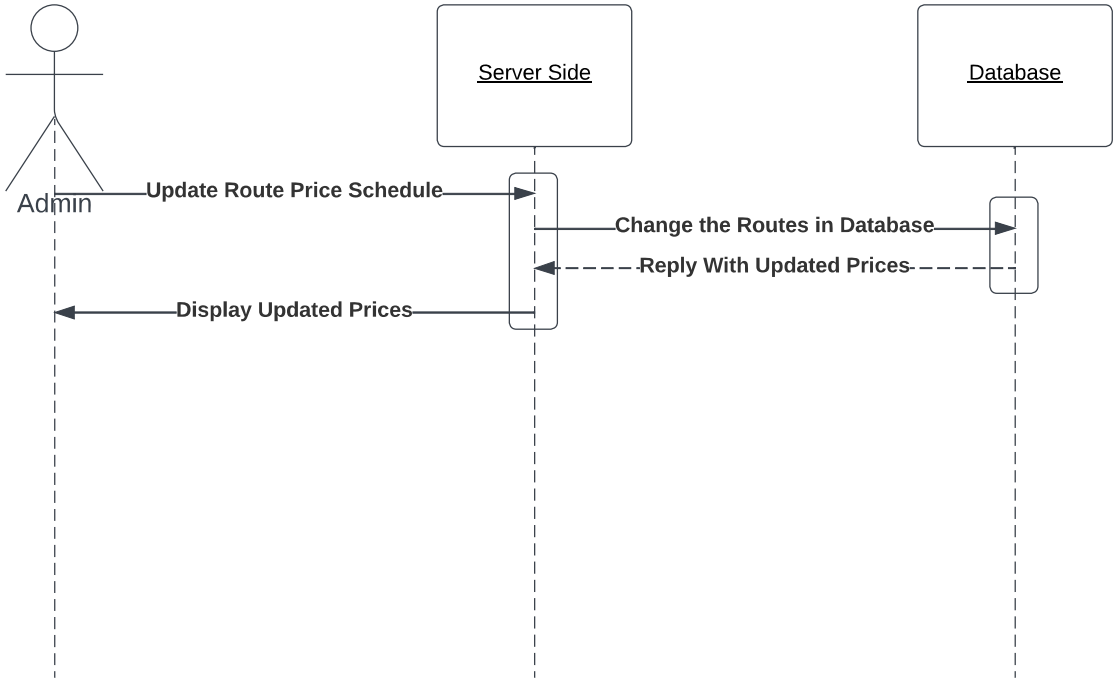

12- Admin create/update/delete stations
Admin
Application
Server
Database
Select "Stations" option
show stations
Retrieve list of stations
Return list of stations
Display list of stations with options
Select "Create/Update/Delete" option
Display edit station list form
Fill form with station details and action
verify if form's request is possible
Alternative
[if form's requested change is possible]
Create/Update/Delete station
Station Created/Updated/Deleted
Display confirmation message
[Else]
Display error message


13- Admin create/update/delete routes
Admin
Application
Server
Database
Select "Routes" option
show routes
Retrieve list of routes
Return list of routes
Display list of routes with options
Select "Create/Update/Delete" option
Display edit route list form
Fill form with route details and action
verify if form's request is possible
Alternative
[if form's requested change is possible]
Create/Update/Delete route
Route Created/Updated/Deleted
Display confirmation message
[Else]
Display error message

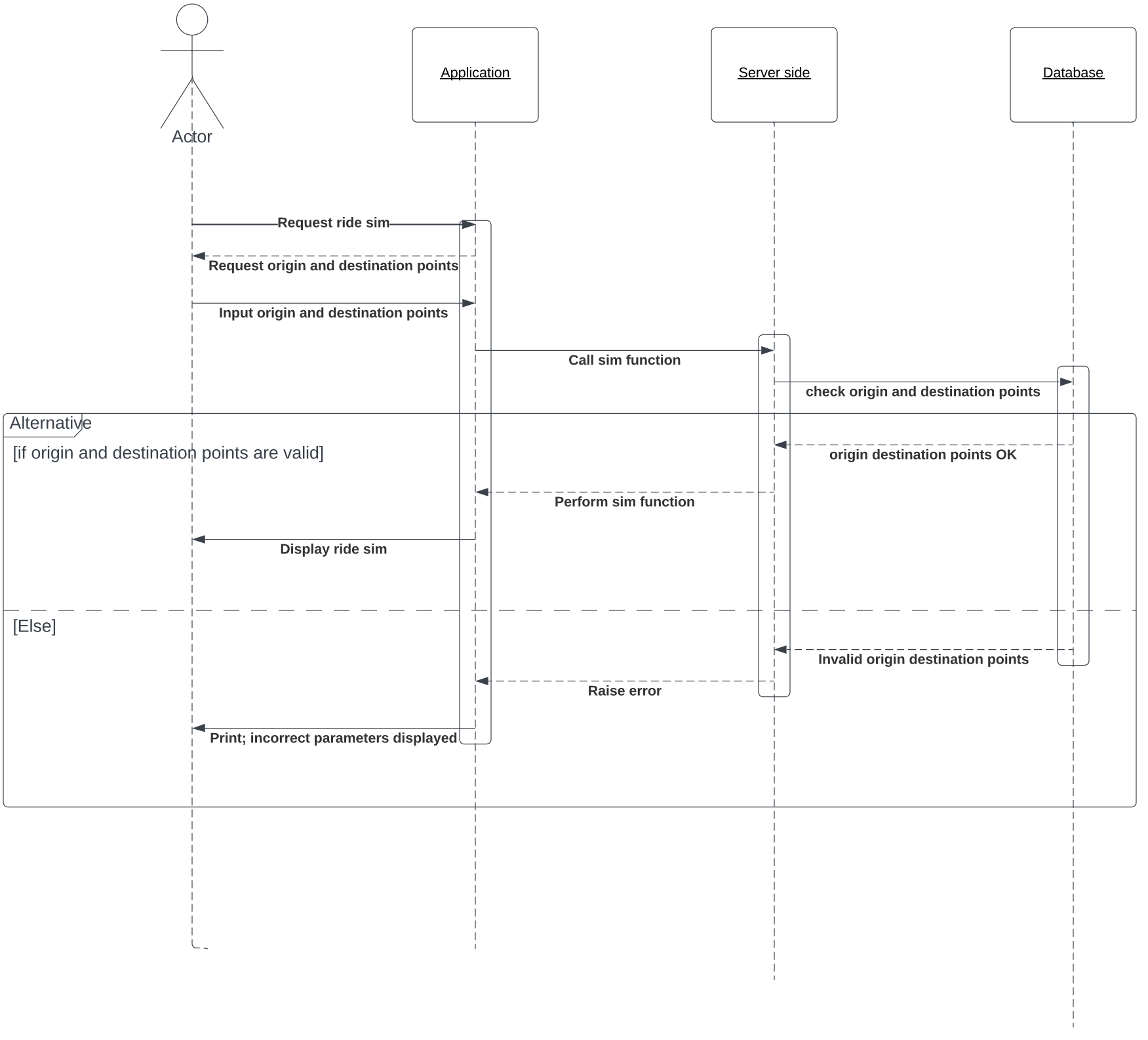
15- admin approv e/reject senior requests



16- Update pricing schedule



17- Sim ride


Actor
Application
Server side
Database
Request ride sim
Request origin and destination points
Input origin and destination points
Call sim function
check origin and destination points
Alternative
[if origin and destination points are valid]
origin destination points OK
Perform sim function
Display ride sim
[Else]
Invalid origin destination points
Raise error
Print; incorrect parameters displayed