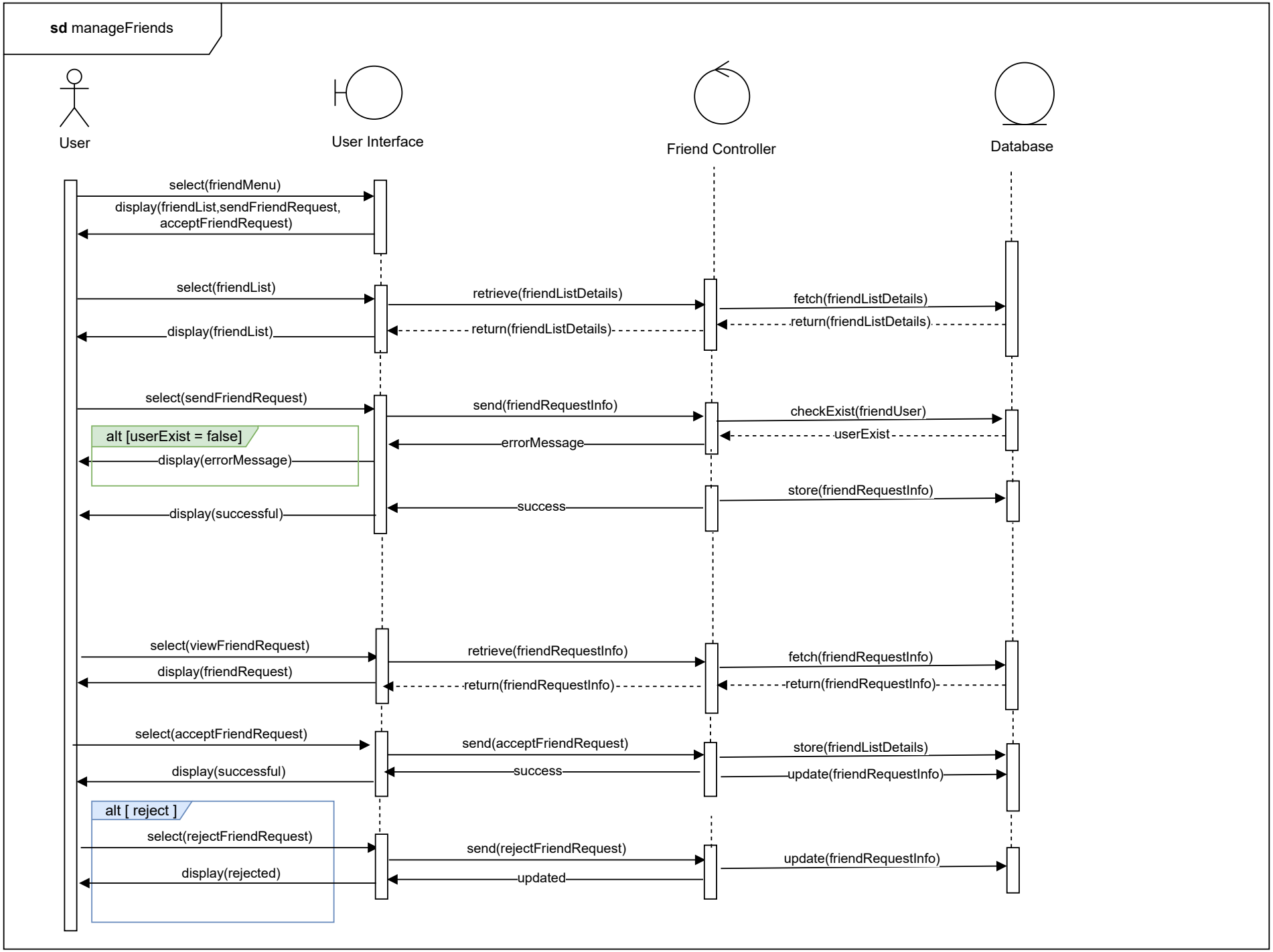
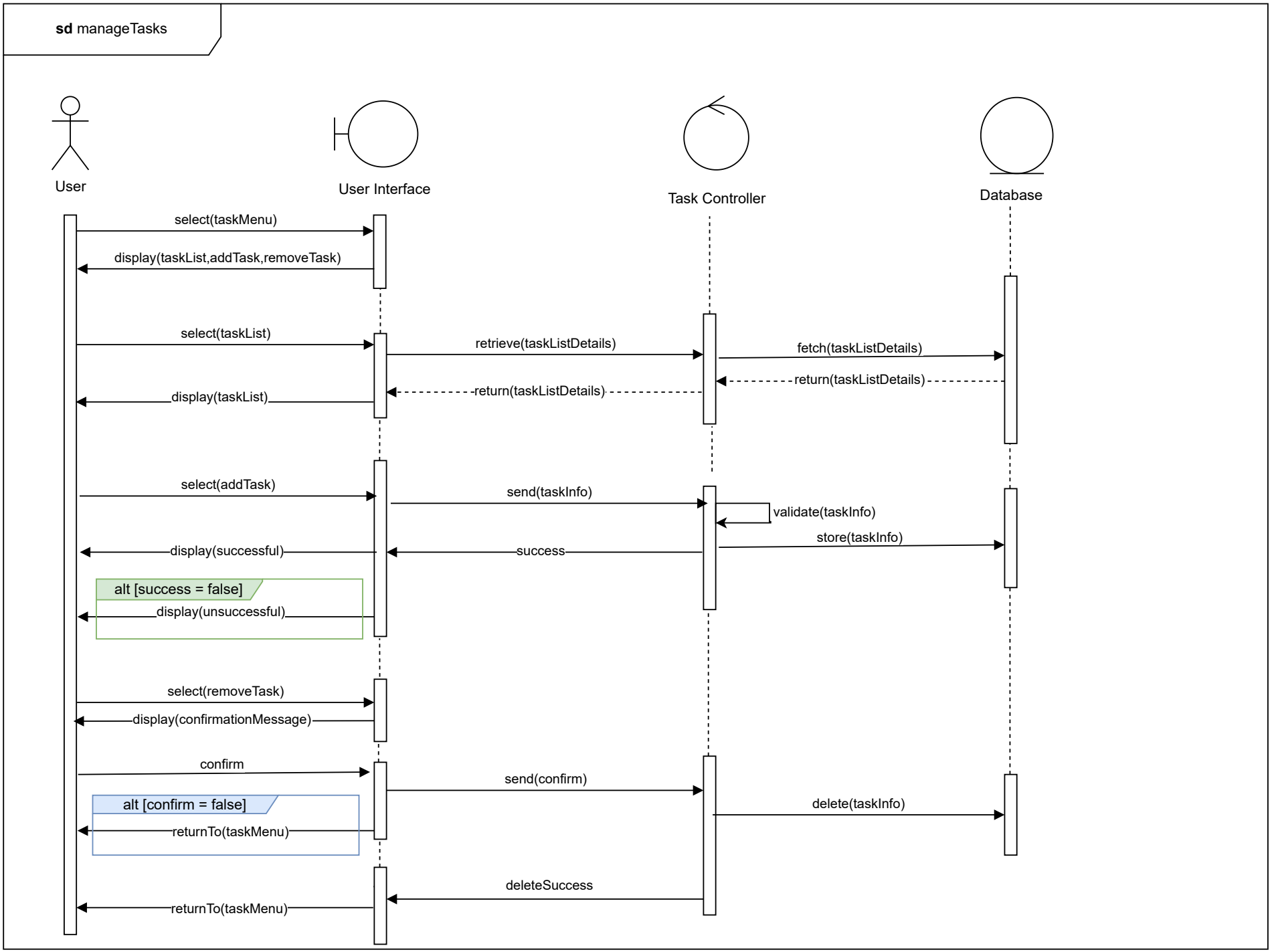
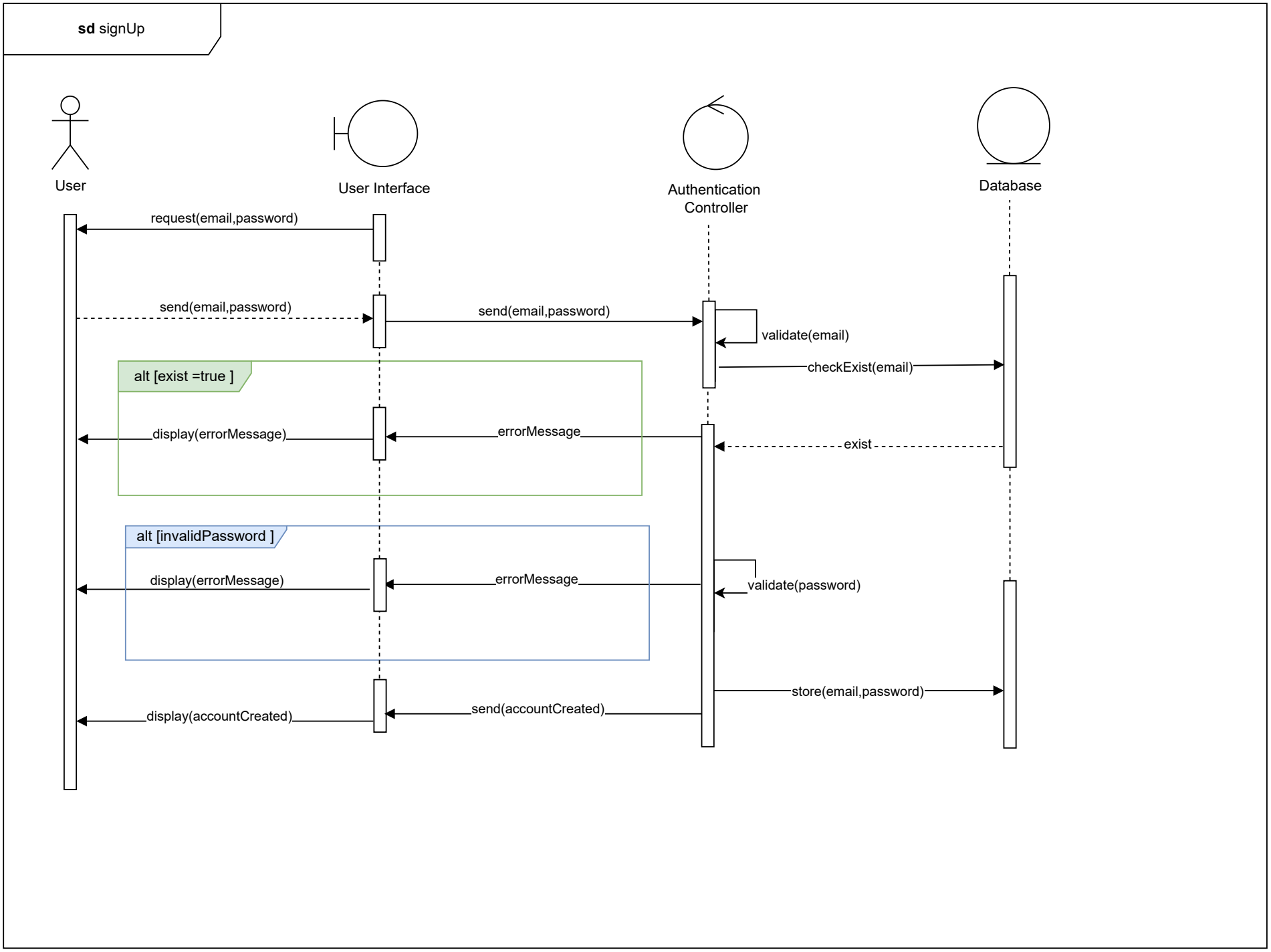
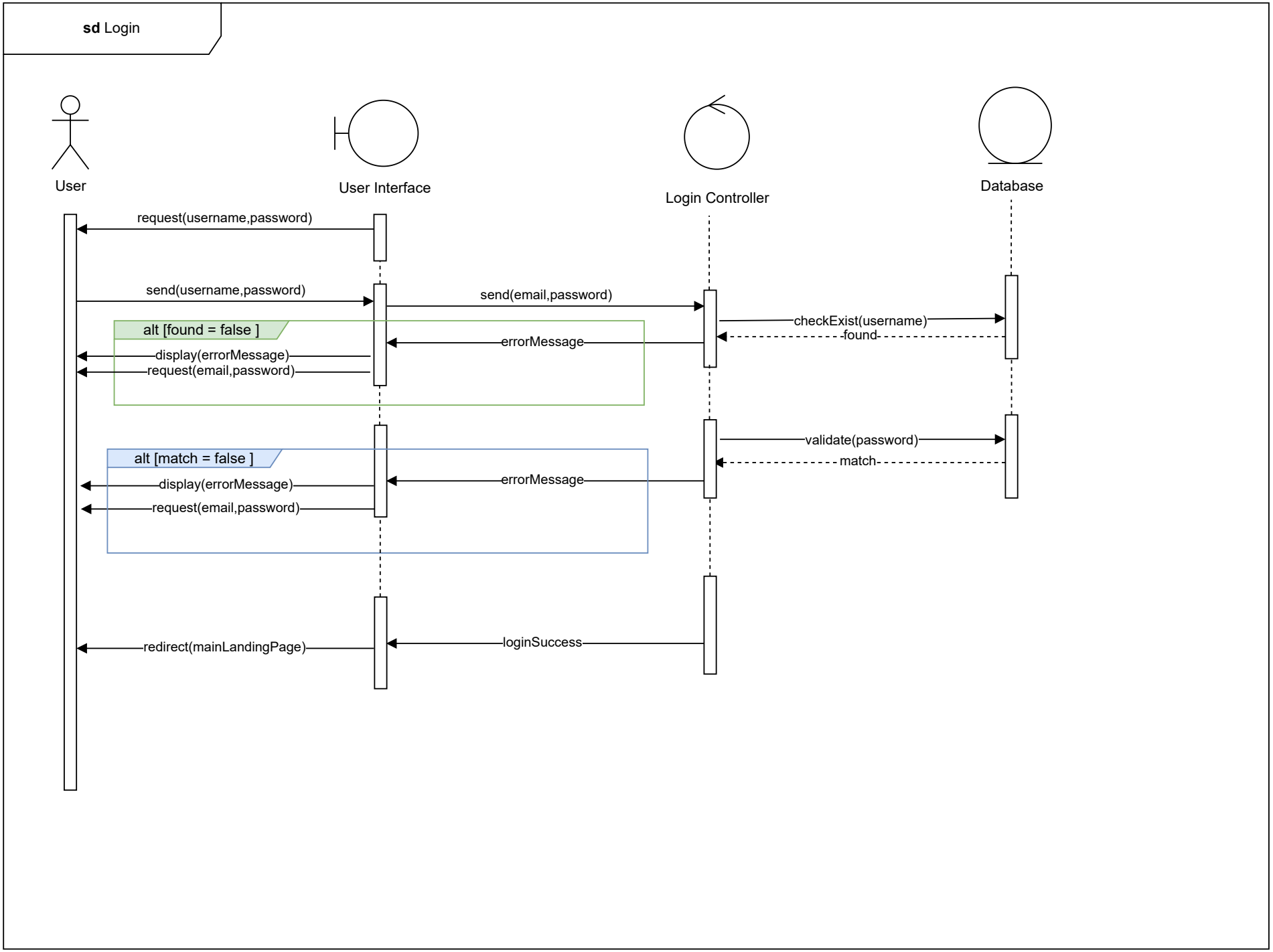
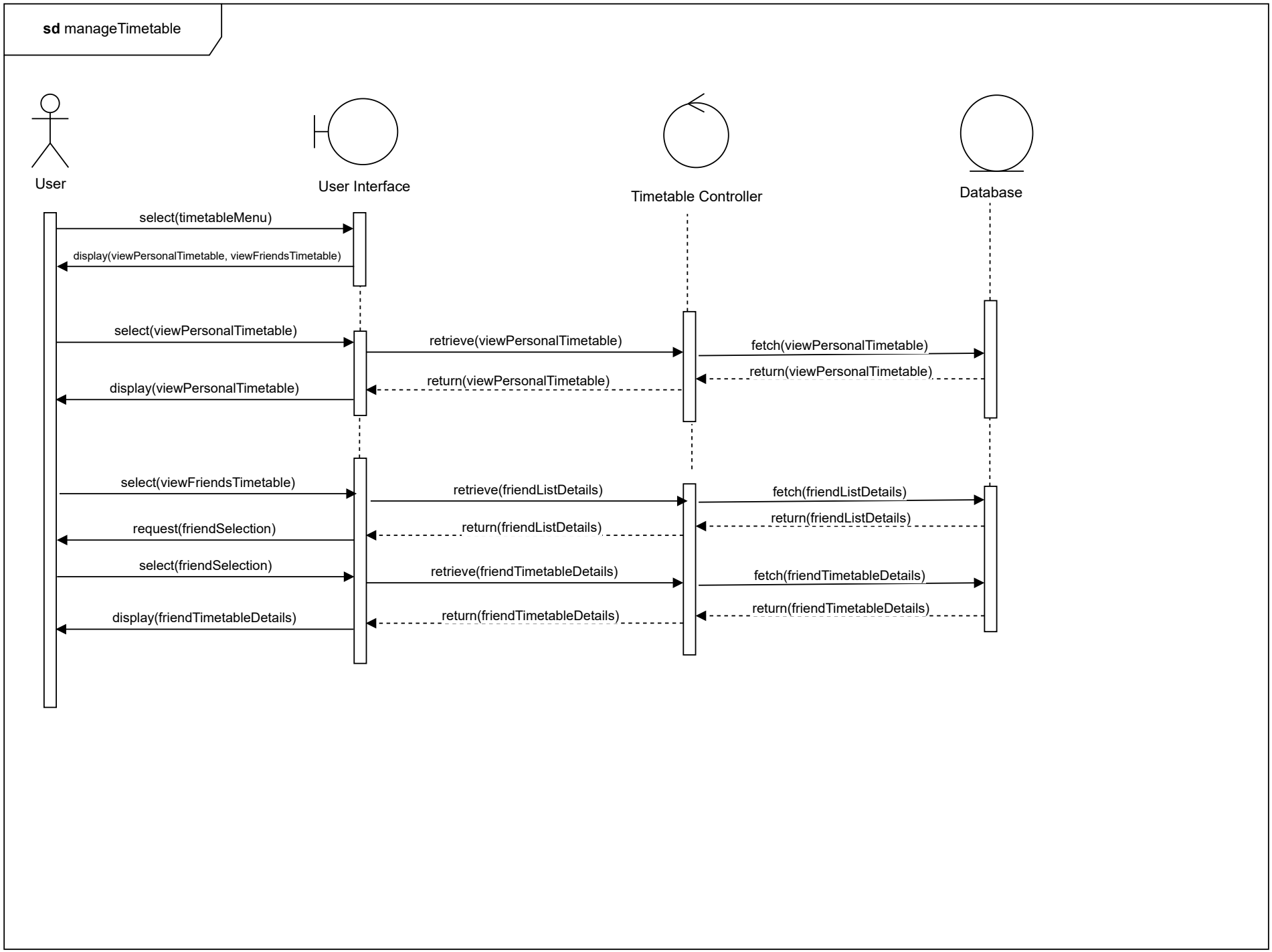
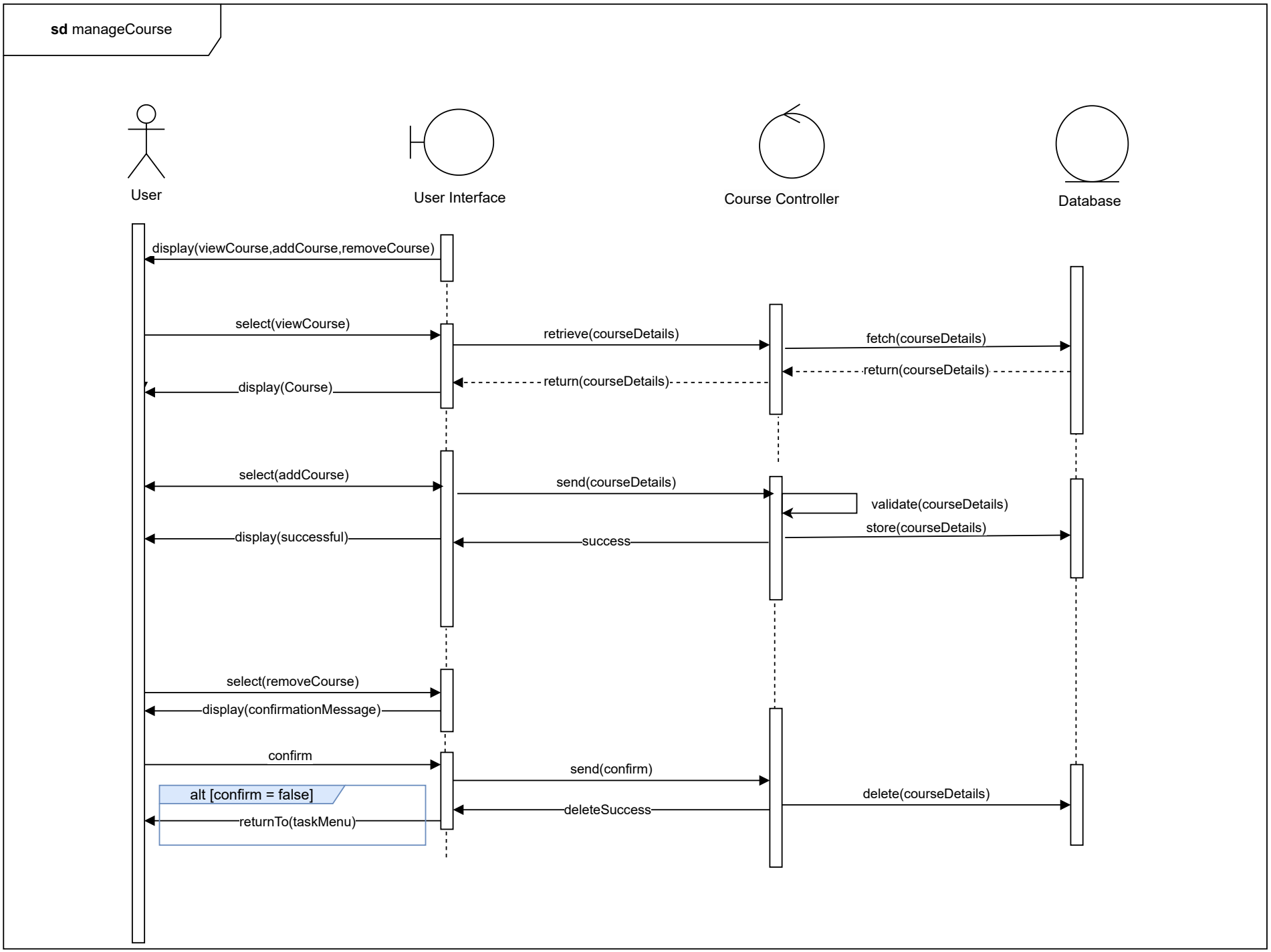

sd manageFriends
User
User Interface
Friend Controller
Database
select(friendMenu)
display(friendList,sendFriendRequest, acceptFriendRequest)
select(friendList)
retrieve(friendListDetails)
fetch(friendListDetails)
return(friendListDetails)
display(friendList)
return(friendListDetails)
select(sendFriendRequest)
send(friendRequestInfo)
checkExist(friendUser)
alt [userExist = false]
userExist
errorMessage
display(errorMessage)
store(friendRequestInfo)
success
display(successful)
select(viewFriendRequest)
retrieve(friendRequestInfo)
fetch(friendRequestInfo)
display(friendRequest)
return(friendRequestInfo)
return(friendRequestInfo)
select(acceptFriendRequest)
send(acceptFriendRequest)
store(friendListDetails)
display(successful)
success
update(friendRequestInfo)
alt [reject]
select(rejectFriendRequest)
send(rejectFriendRequest)
update(friendRequestInfo)
display(rejected)
updated

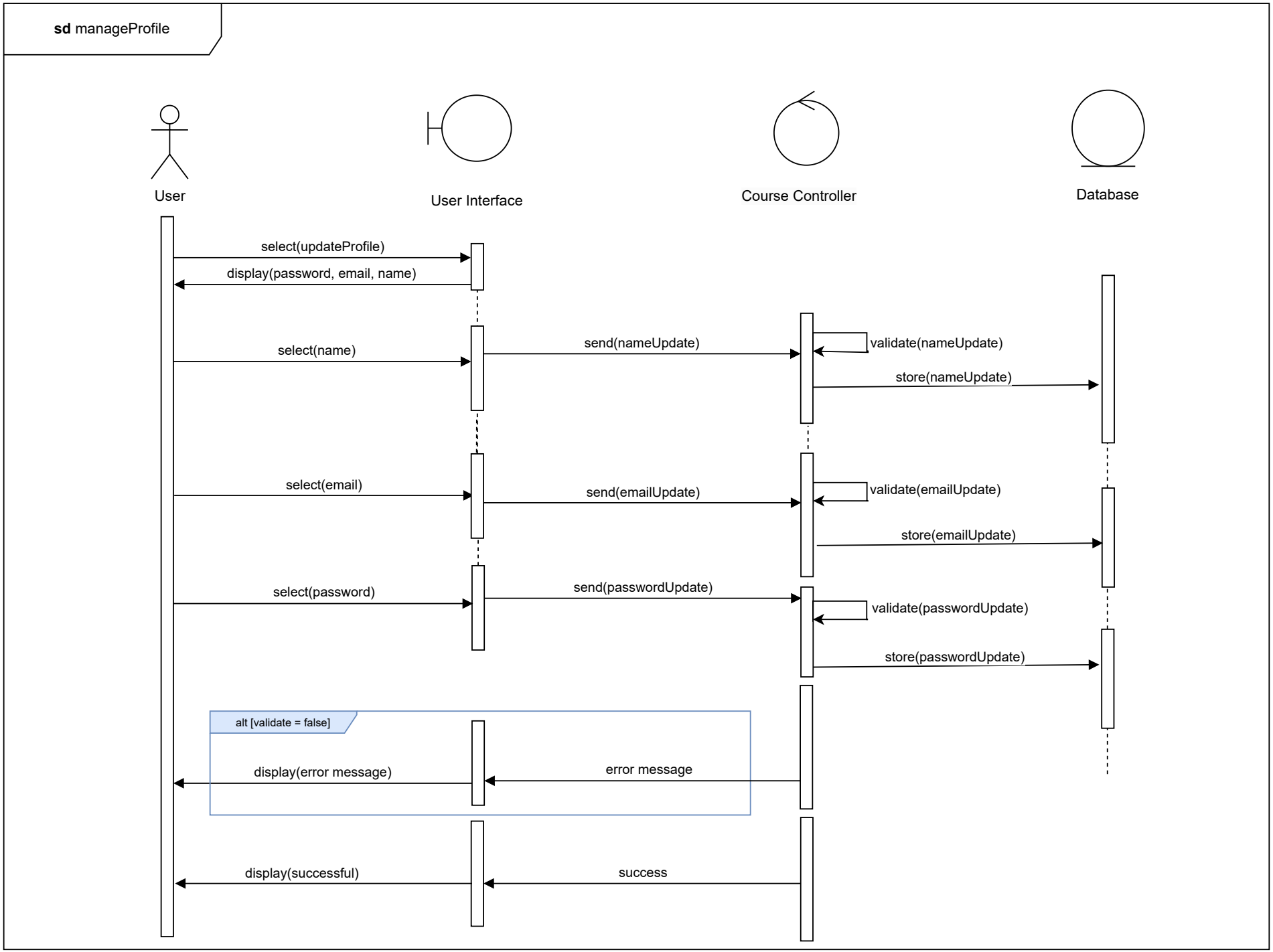

sd manageTasks
User
User Interface
Task Controller
Database
select(taskMenu)
display(taskList,addTask,removeTask)
select(taskList)
retrieve(taskListDetails)
fetch(taskListDetails)
return(taskListDetails)
return(taskListDetails)
display(taskList)
select(addTask)
send(taskInfo)
validate(taskInfo)
store(taskInfo)
success
display(successful)
alt [success = false]
display(unsuccessful)
select(removeTask)
display(confirmationMessage)
confirm
send(confirm)
delete(taskInfo)
alt [confirm = false]
returnTo(taskMenu)
deleteSuccess
returnTo(taskMenu)


sd signUp
User
User Interface
Authentication Controller
Database
request(email,password)
send(email,password)
send(email,password)
validate(email)
checkExist(email)
alt [exist =true]
display(errorMessage)
errorMessage
exist
alt [invalidPassword]
display(errorMessage)
errorMessage
validate(password)
store(email,password)
display(accountCreated)
send(accountCreated)


sd Login
User
User Interface
Login Controller
Database
request(username,password)
send(username,password)
send(email,password)
checkExist(username)
found
alt [found = false]
errorMessage
display(errorMessage)
request(email,password)
validate(password)
match
alt [match = false]
errorMessage
display(errorMessage)
request(email,password)
redirect(mainLandingPage)
loginSuccess


sd manageTimetable
User
User Interface
Timetable Controller
Database
select(timetableMenu)
display(viewPersonalTimetable, viewFriendsTimetable)
select(viewPersonalTimetable)
retrieve(viewPersonalTimetable)
fetch(viewPersonalTimetable)
return(viewPersonalTimetable)
display(viewPersonalTimetable)
return(viewPersonalTimetable)
select(viewFriendsTimetable)
retrieve(friendListDetails)
fetch(friendListDetails)
return(friendListDetails)
request(friendSelection)
return(friendListDetails)
select(friendSelection)
retrieve(friendTimetableDetails)
fetch(friendTimetableDetails)
return(friendTimetableDetails)
display(friendTimetableDetails)
return(friendTimetableDetails)


sd manageCourse
User
User Interface
Course Controller
Database
display(viewCourse,addCourse,removeCourse)
select(viewCourse)
retrieve(courseDetails)
fetch(courseDetails)
return(courseDetails)
display(Course)
return(courseDetails)
select(addCourse)
send(courseDetails)
validate(courseDetails)
store(courseDetails)
display(successful)
success
select(removeCourse)
display(confirmationMessage)
confirm
send(confirm)
alt [confirm = false]
delete(courseDetails)
deleteSuccess
returnTo(taskMenu)


sd manageProfile
User
User Interface
Course Controller
Database
select(updateProfile)
display(password, email, name)
select(name)
send(nameUpdate)
validate(nameUpdate)
store(nameUpdate)
select(email)
send(emailUpdate)
validate(emailUpdate)
store(emailUpdate)
select(password)
send(passwordUpdate)
validate(passwordUpdate)
store(passwordUpdate)
alt [validate = false]
display(error message)
error message
display(successful)
success