FYP Connect

Domain Model Diagram, Class Diagram, System Sequence Diagrams, Sequence Diagrams

CS3004 – Software Design and Analysis – Project Deliverable 4

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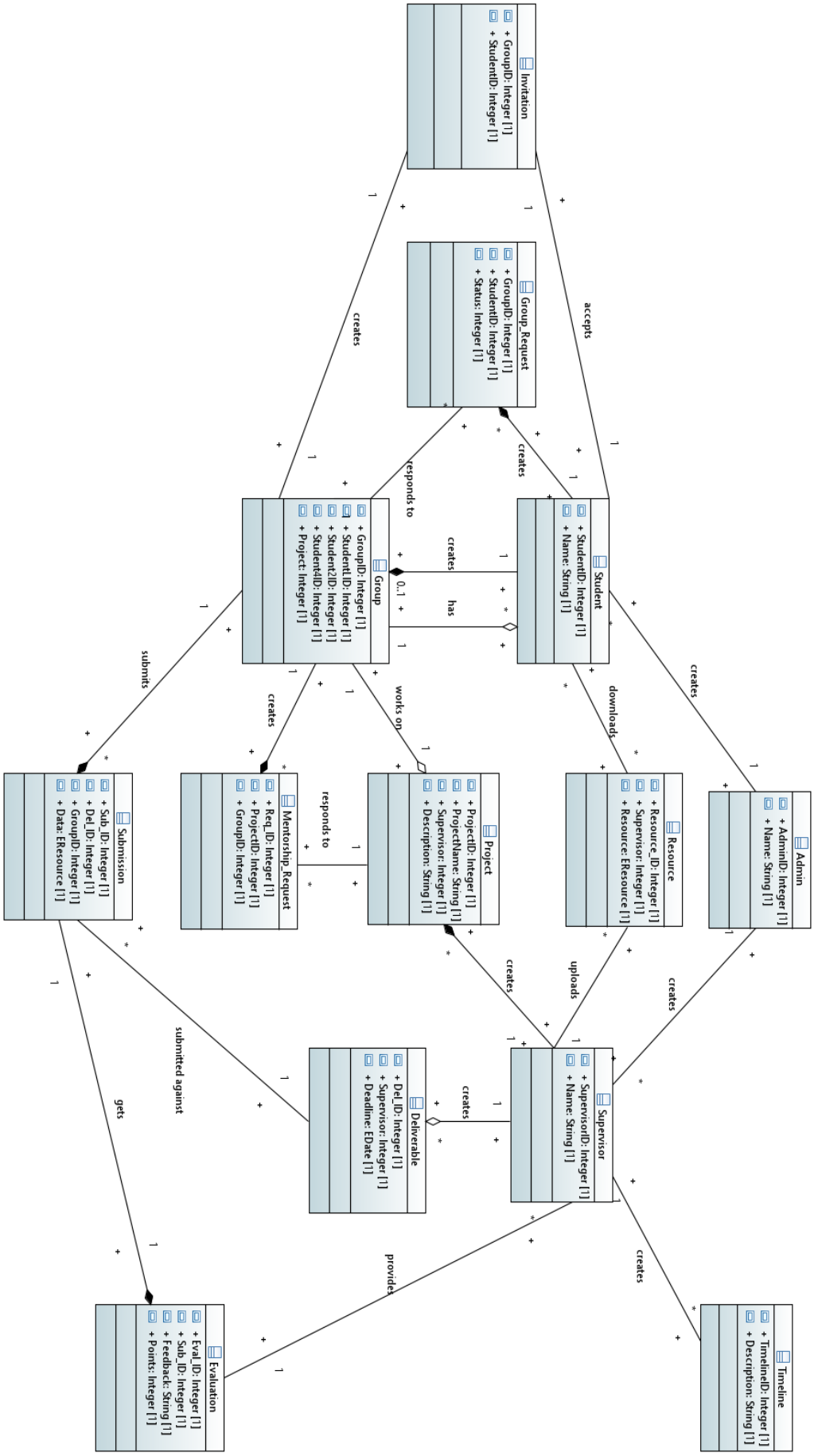
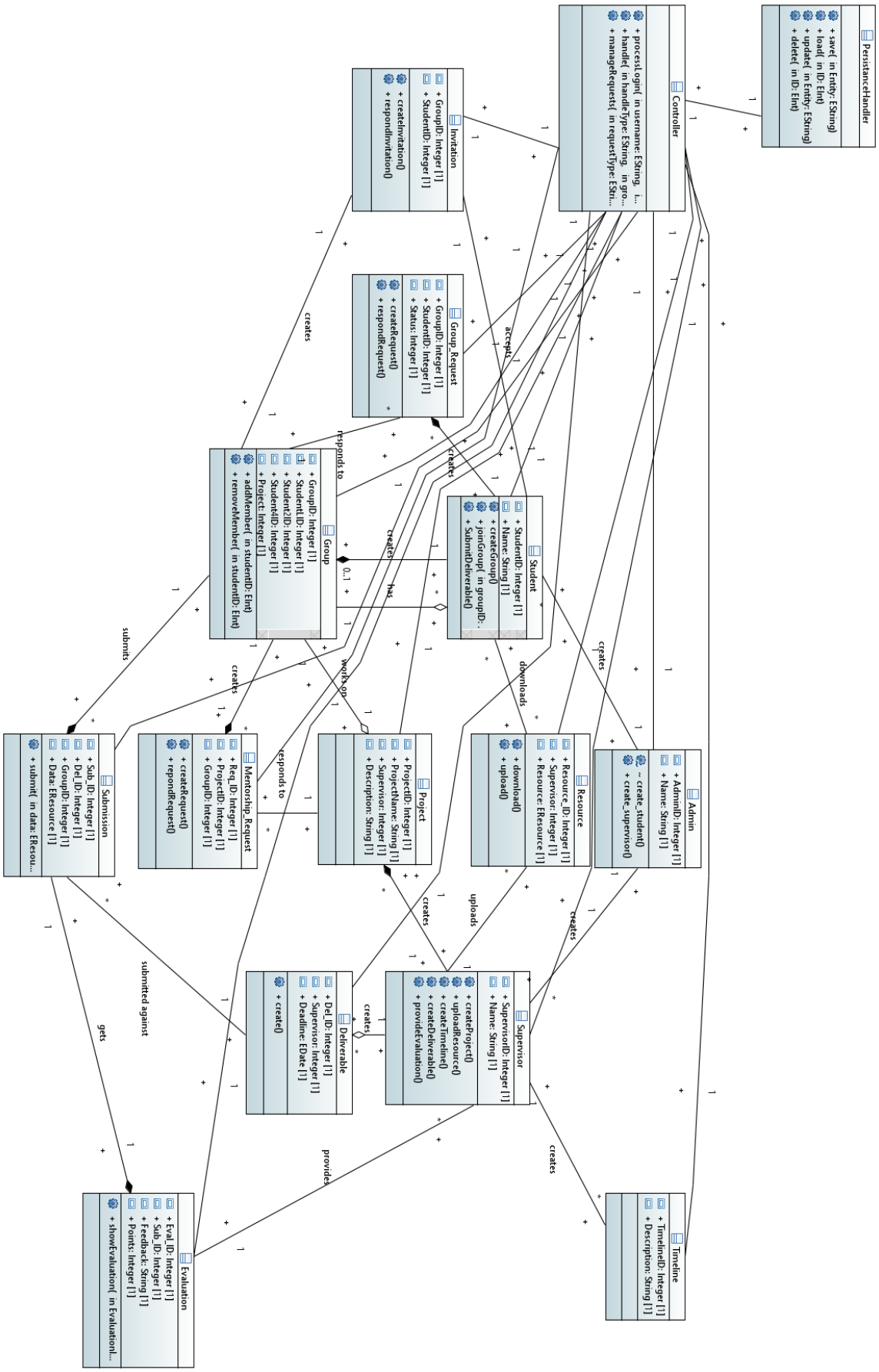
DOMAIN MODEL DIAGRAM

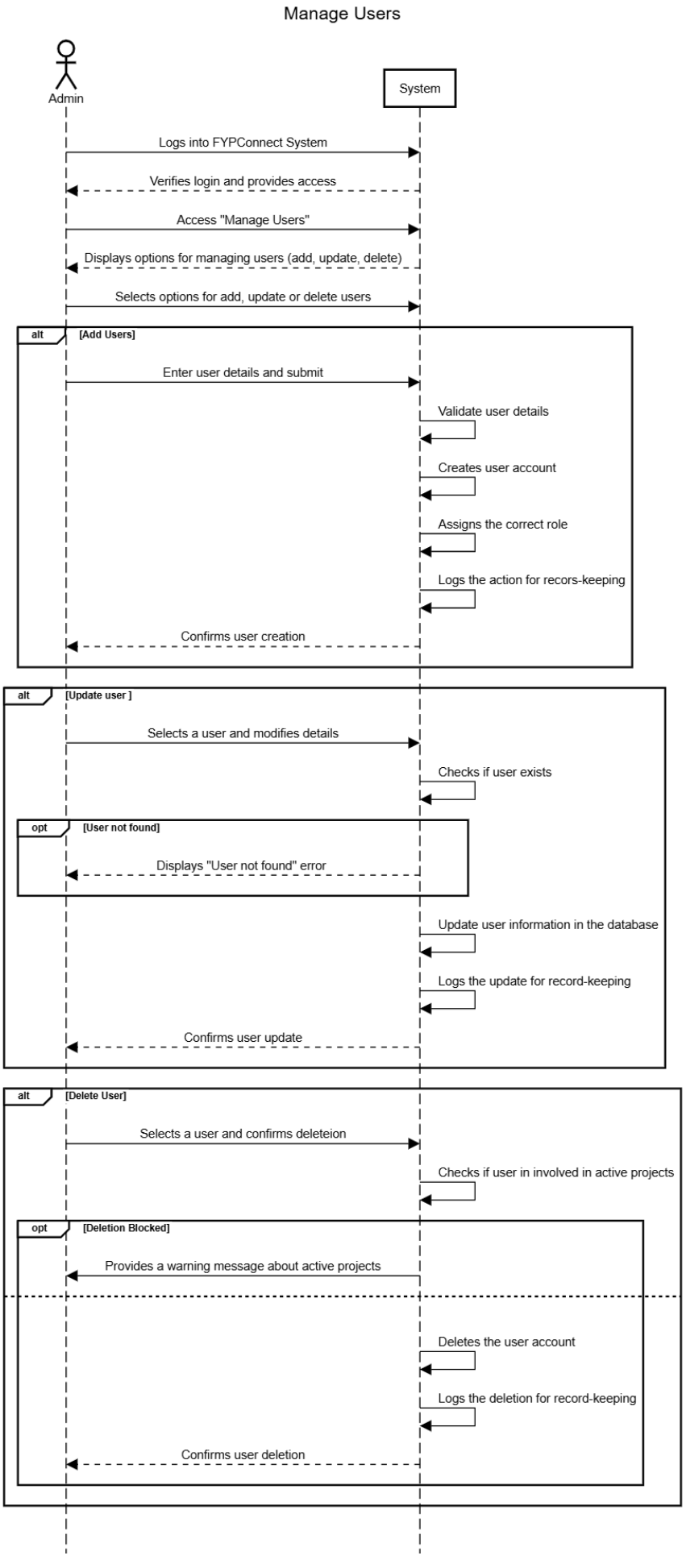


CLASS DIAGRAM



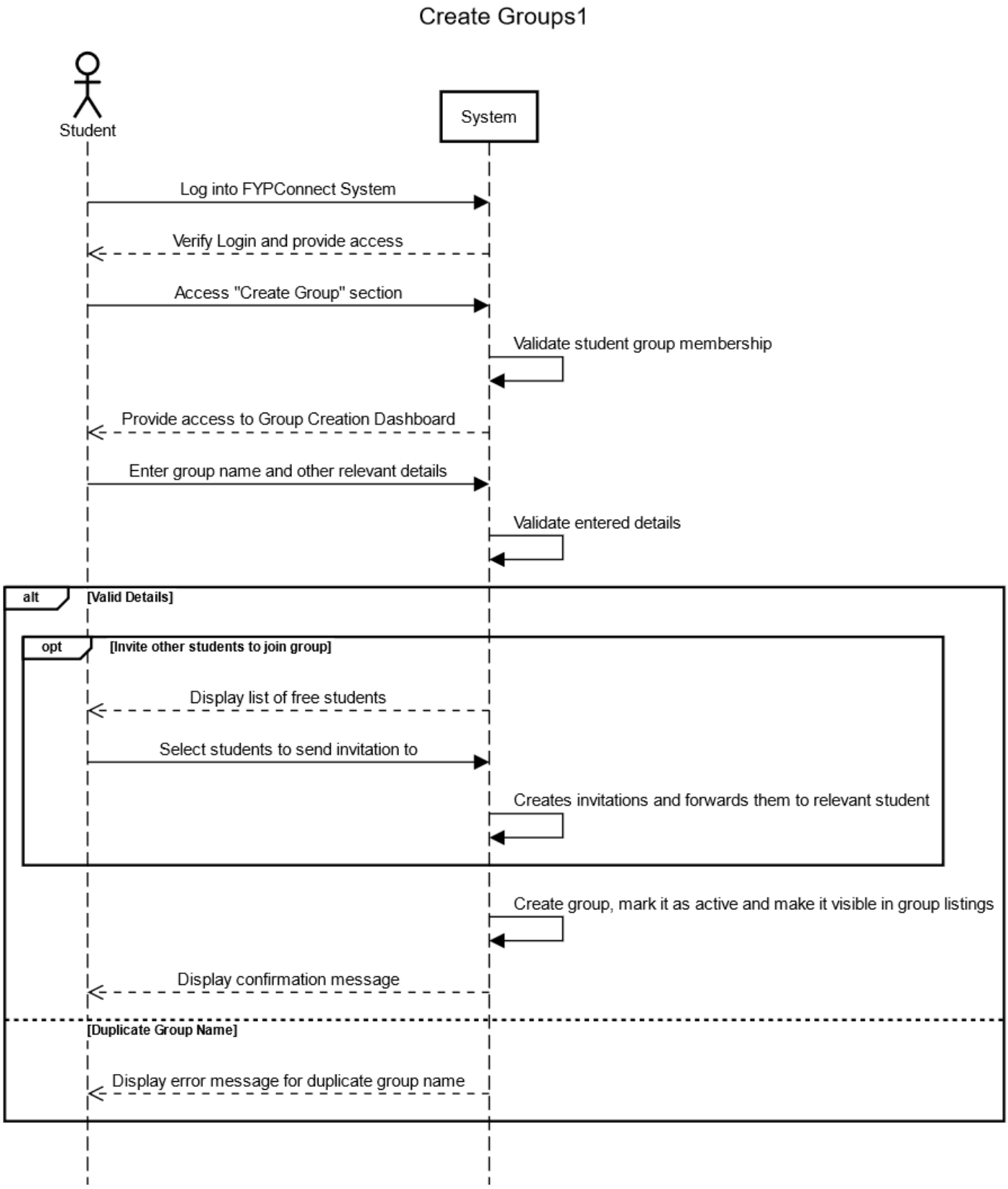
SYSTEM SEQUENCE DIAGRAMS

Manage Users

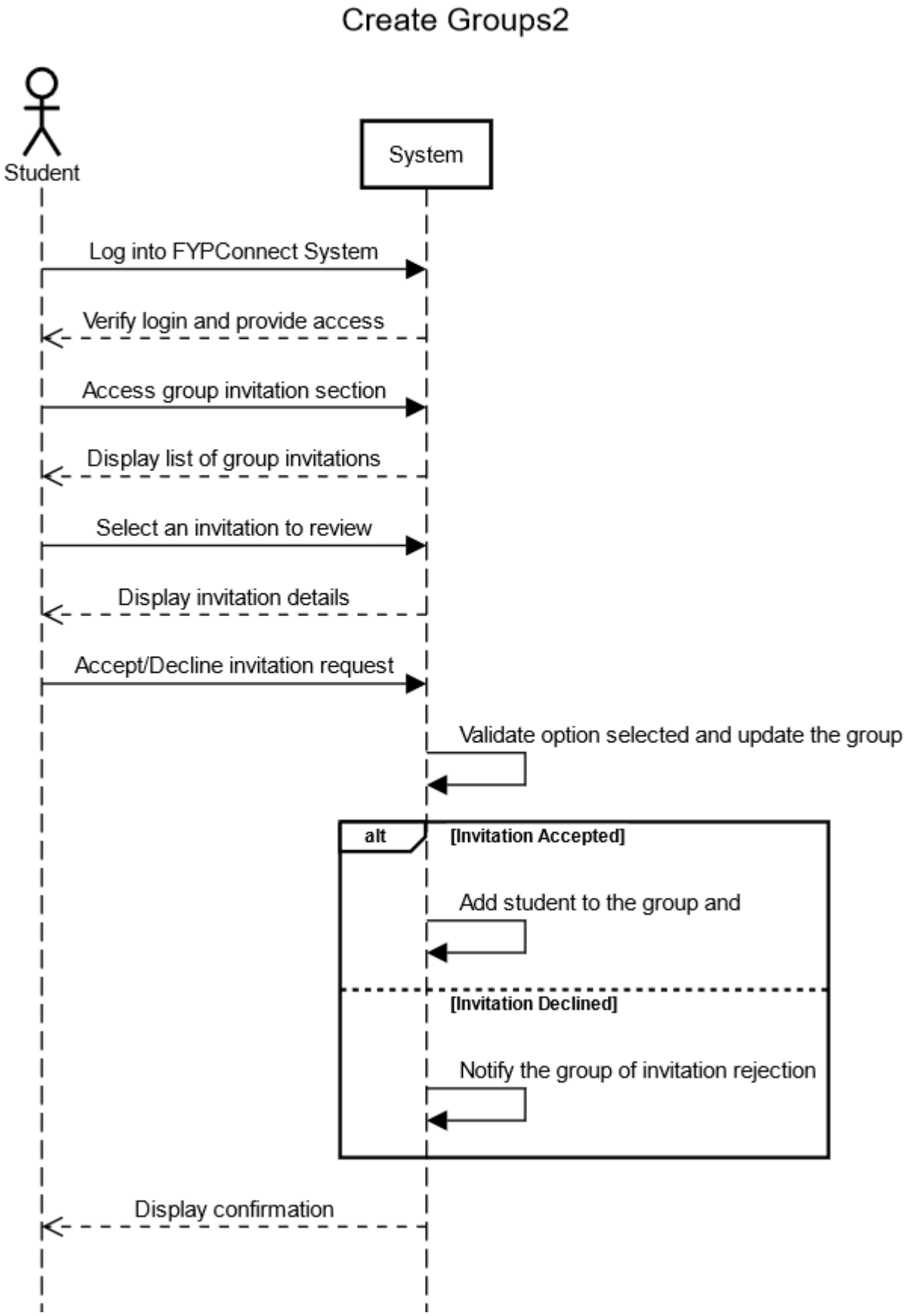


Create Groups

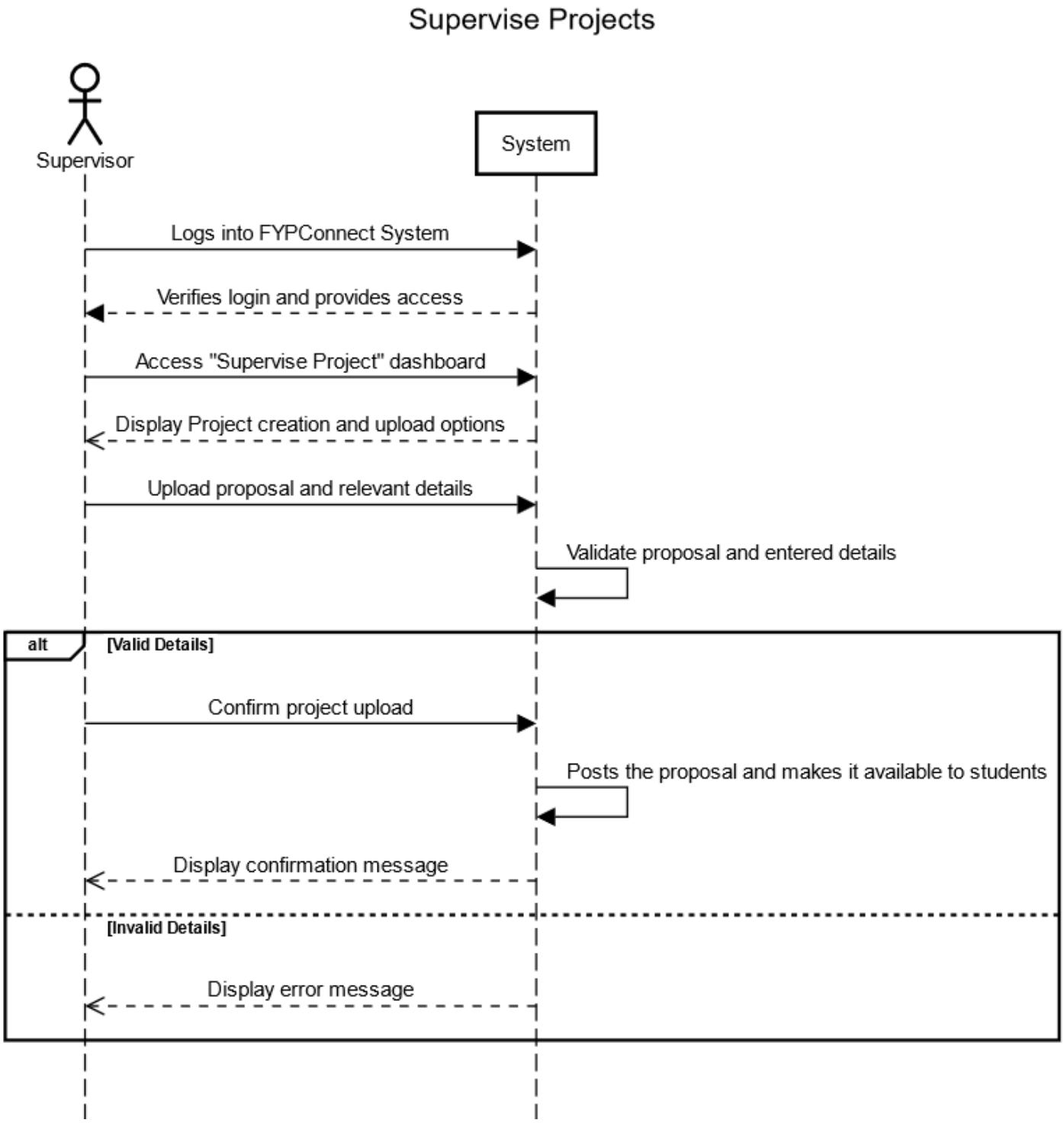
Create Groups 1



Create Groups 2

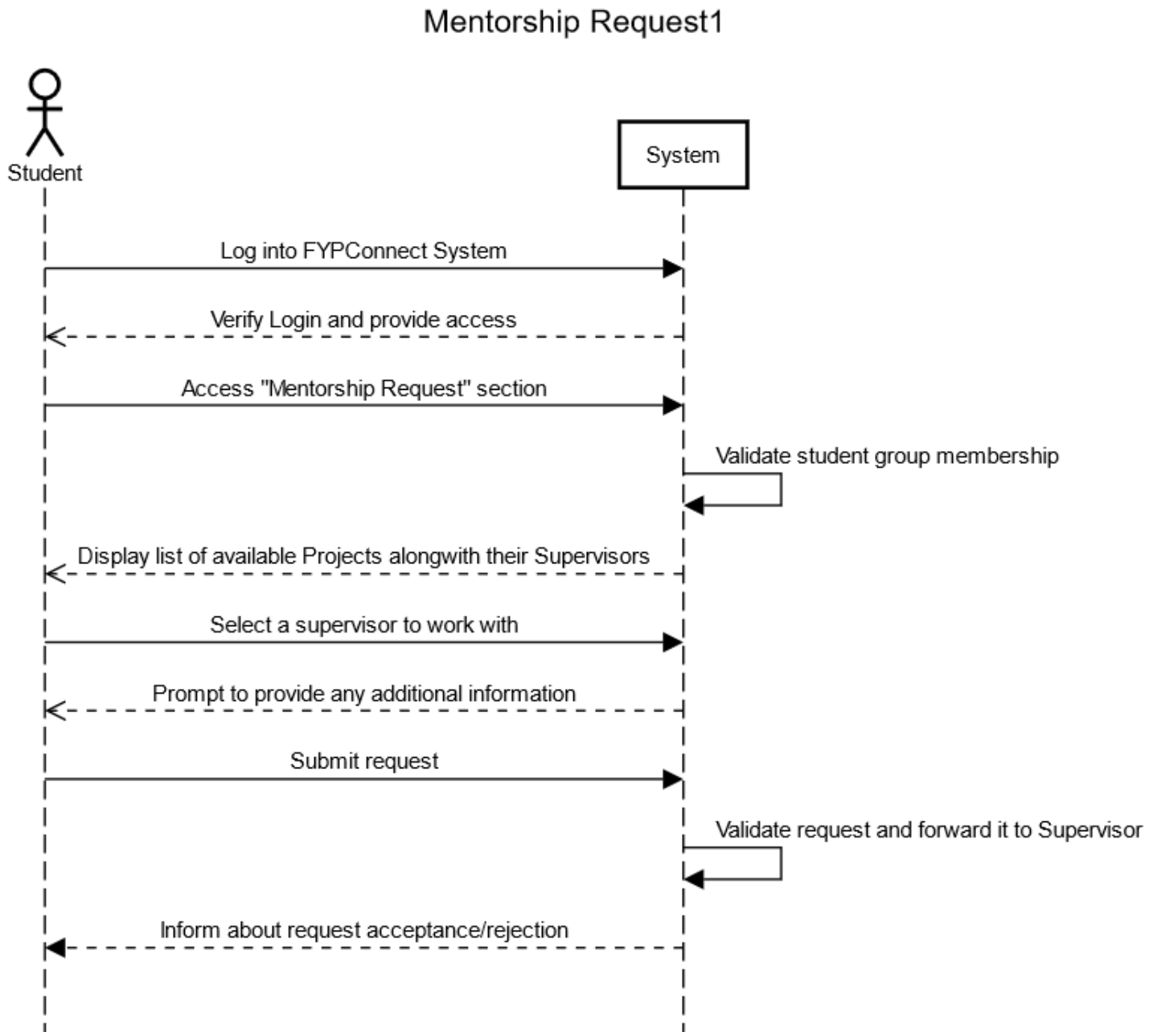


Supervise Projects

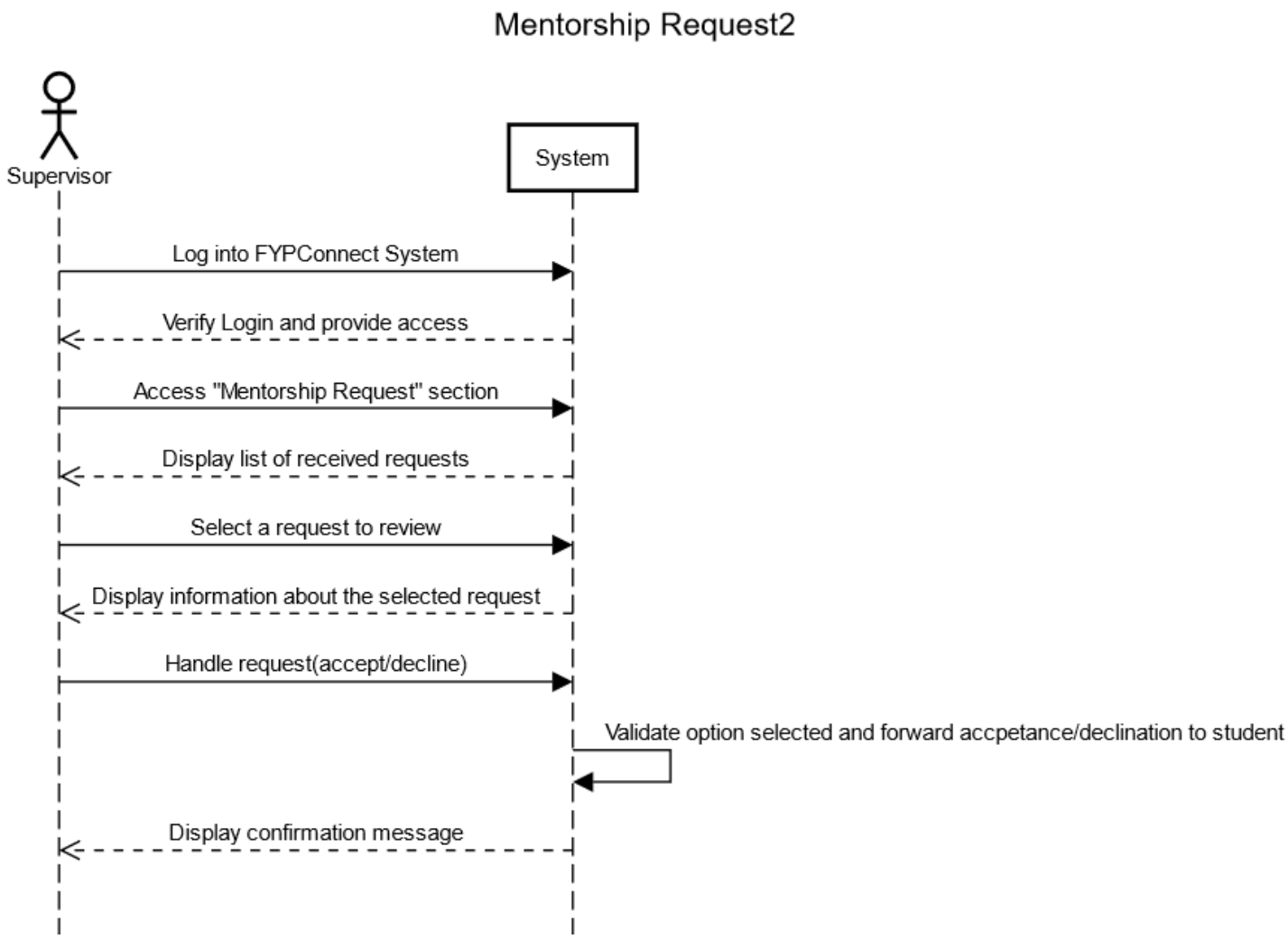


Mentorship Requests

Mentorship Request 1

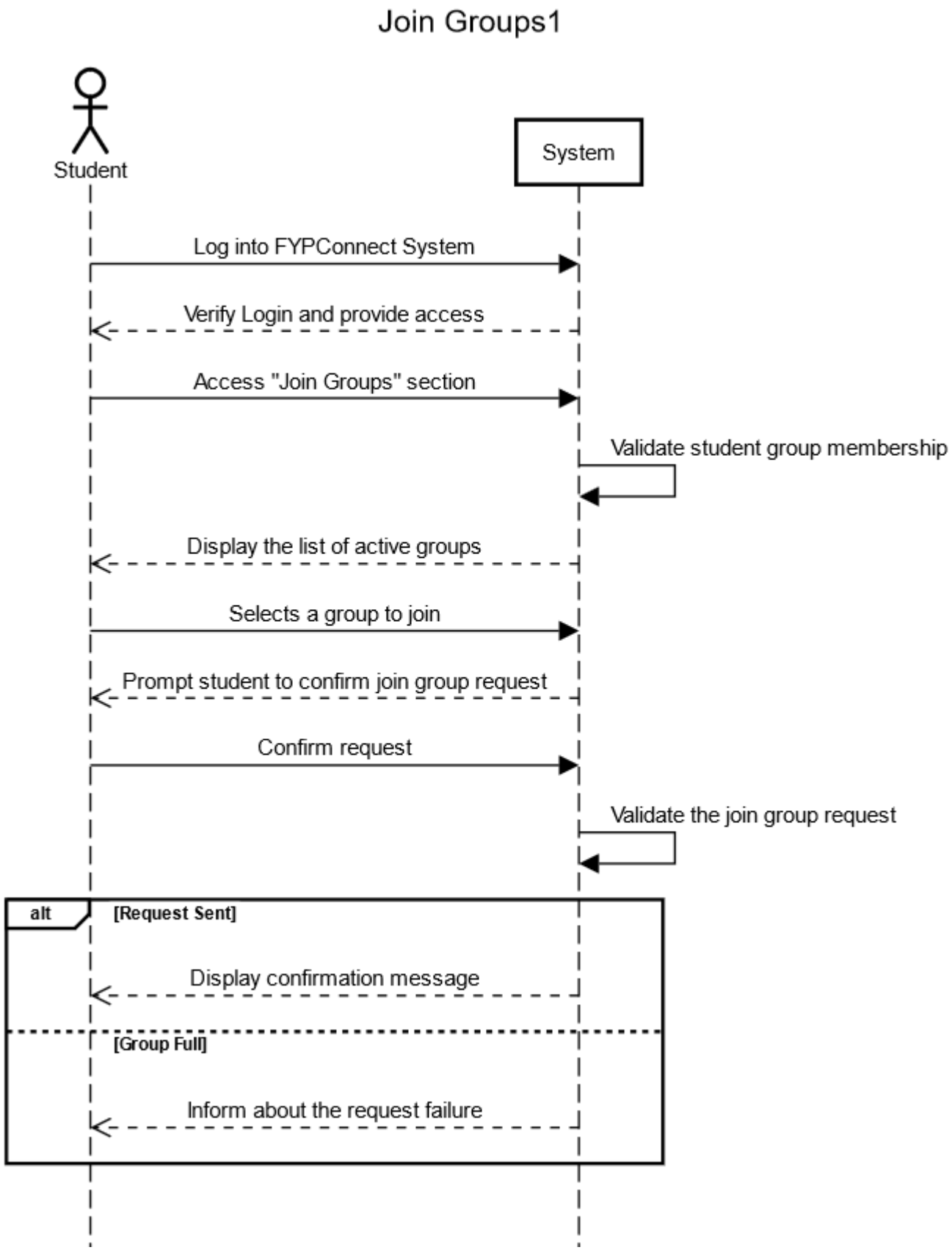


Mentorship Request 2

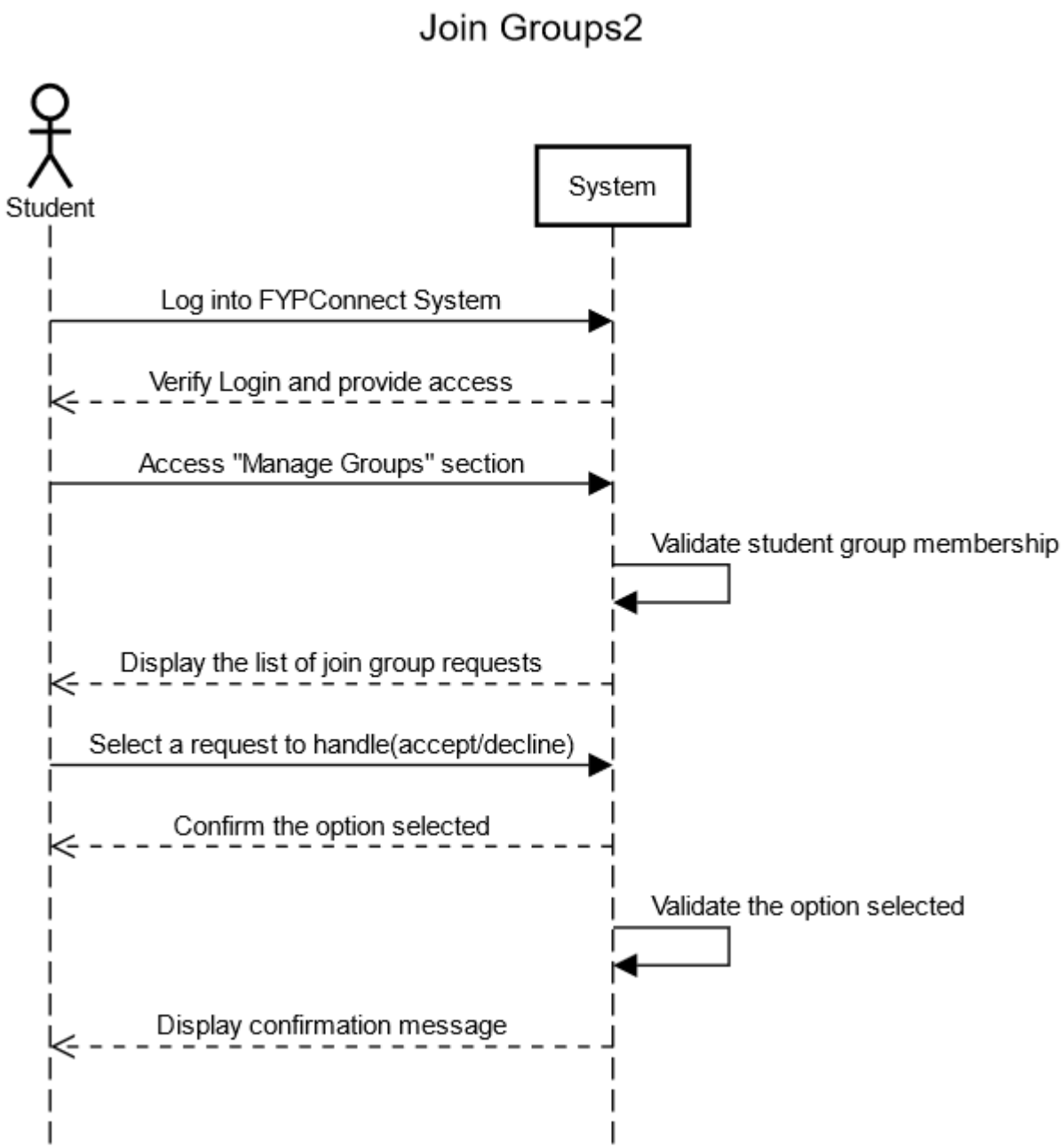


Join Groups

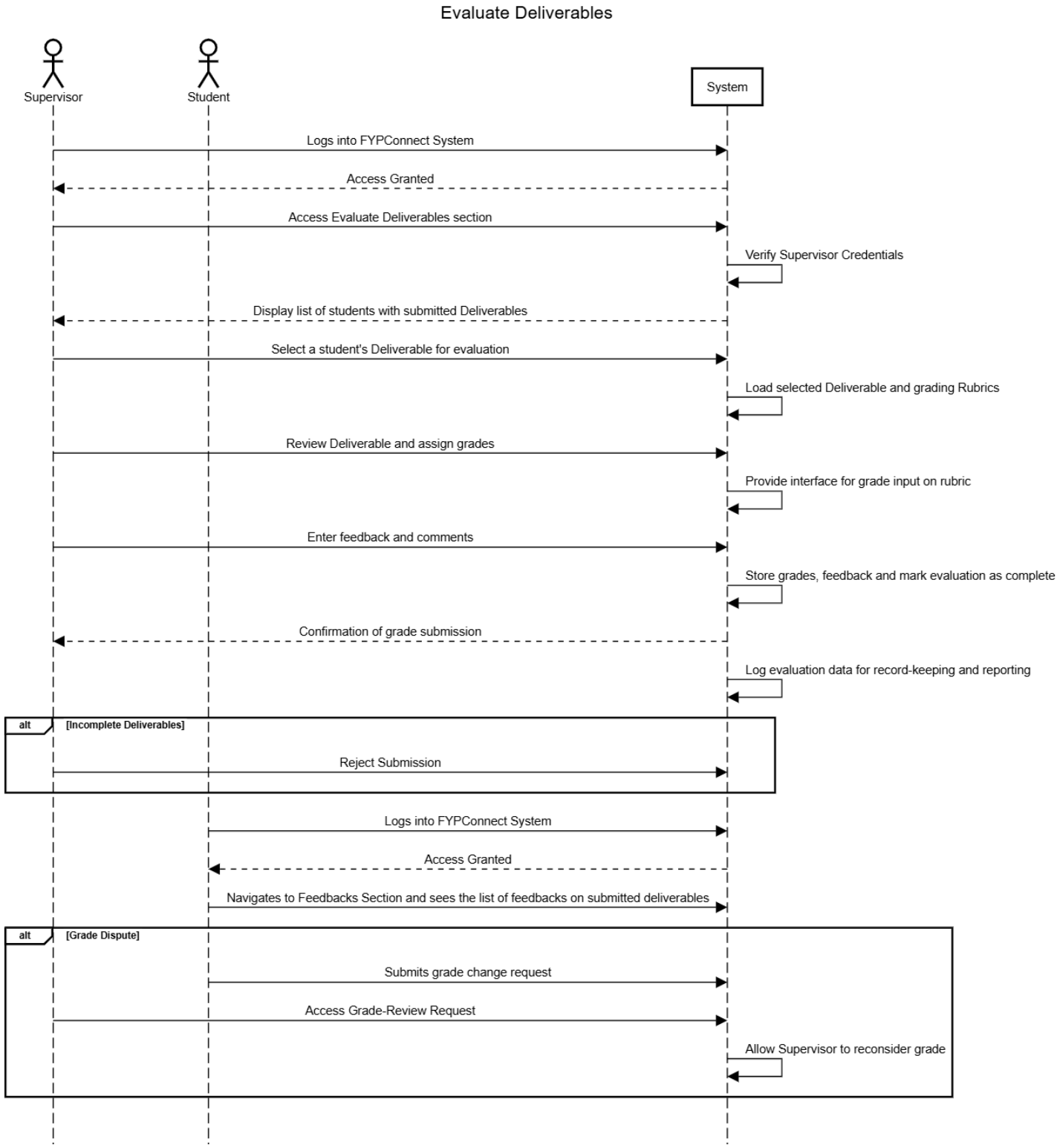
Join Group 1



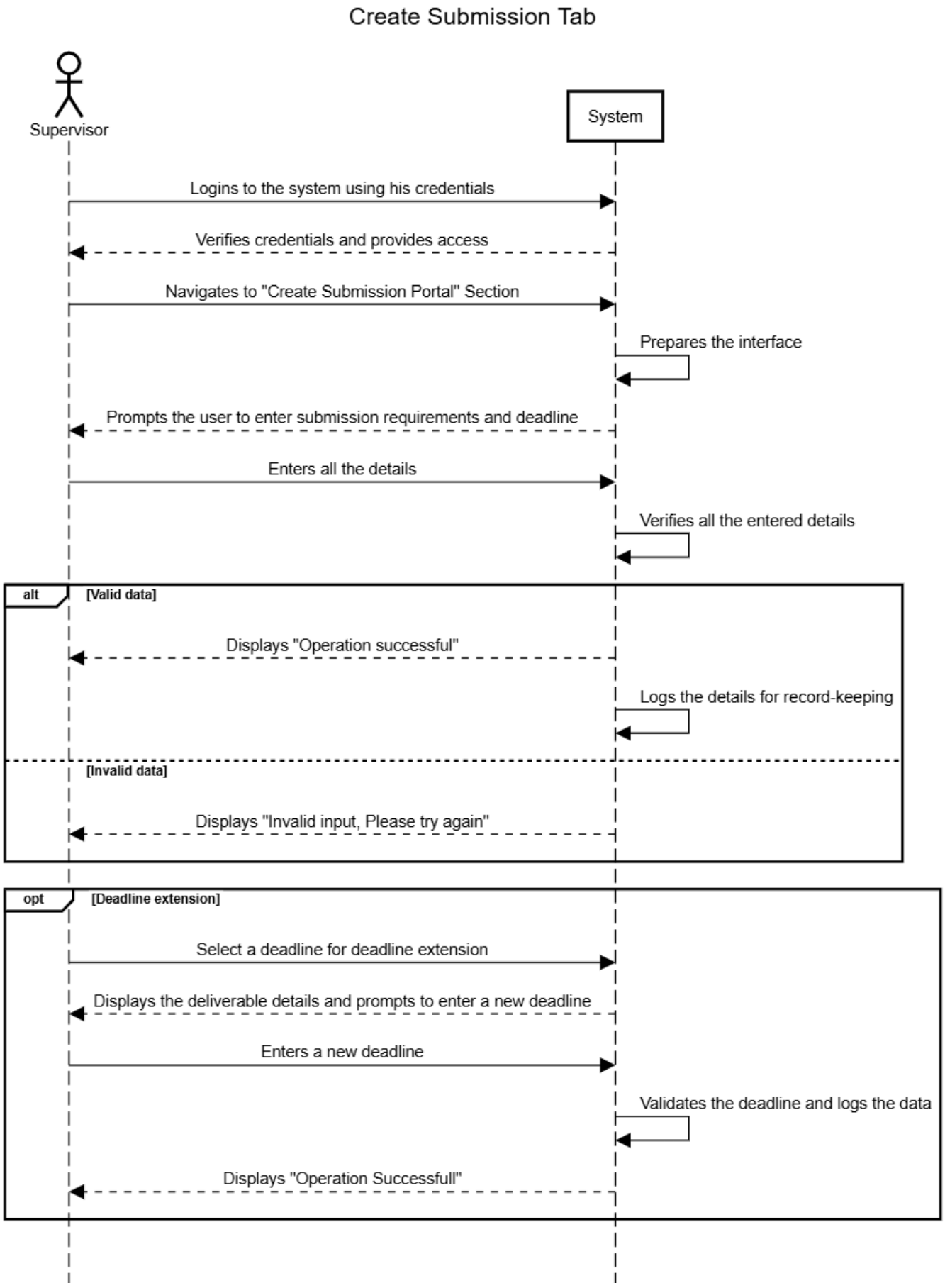
Join Group 2


Join Groups2
Student
System
Log into FYPConnect System
Verify Login and provide access
Access "Manage Groups" section
Validate student group membership
Display the list of join group requests
Select a request to handle(accept/decline)
Confirm the option selected
Validate the option selected
Display confirmation message

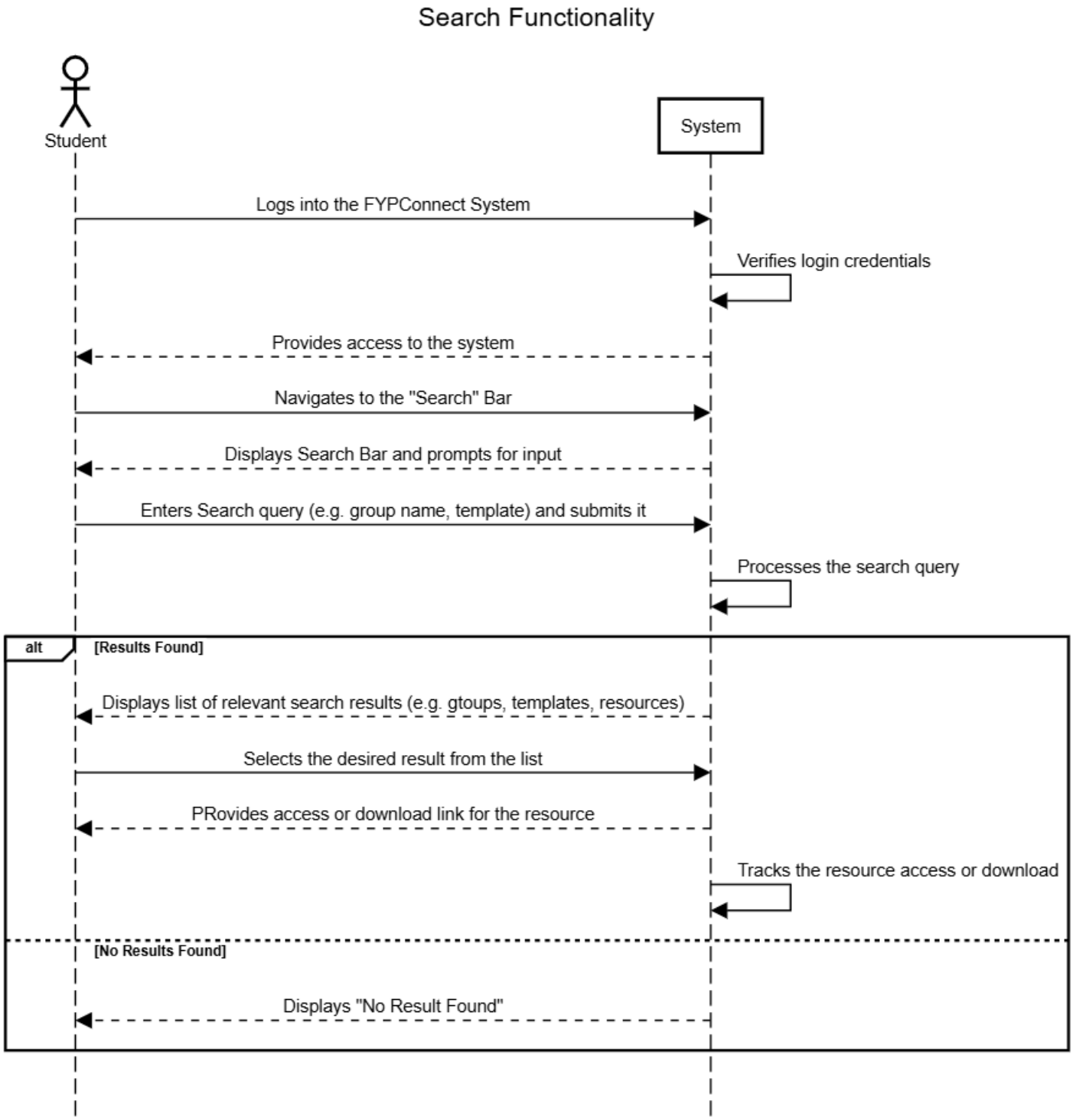
Evaluate Deliverables



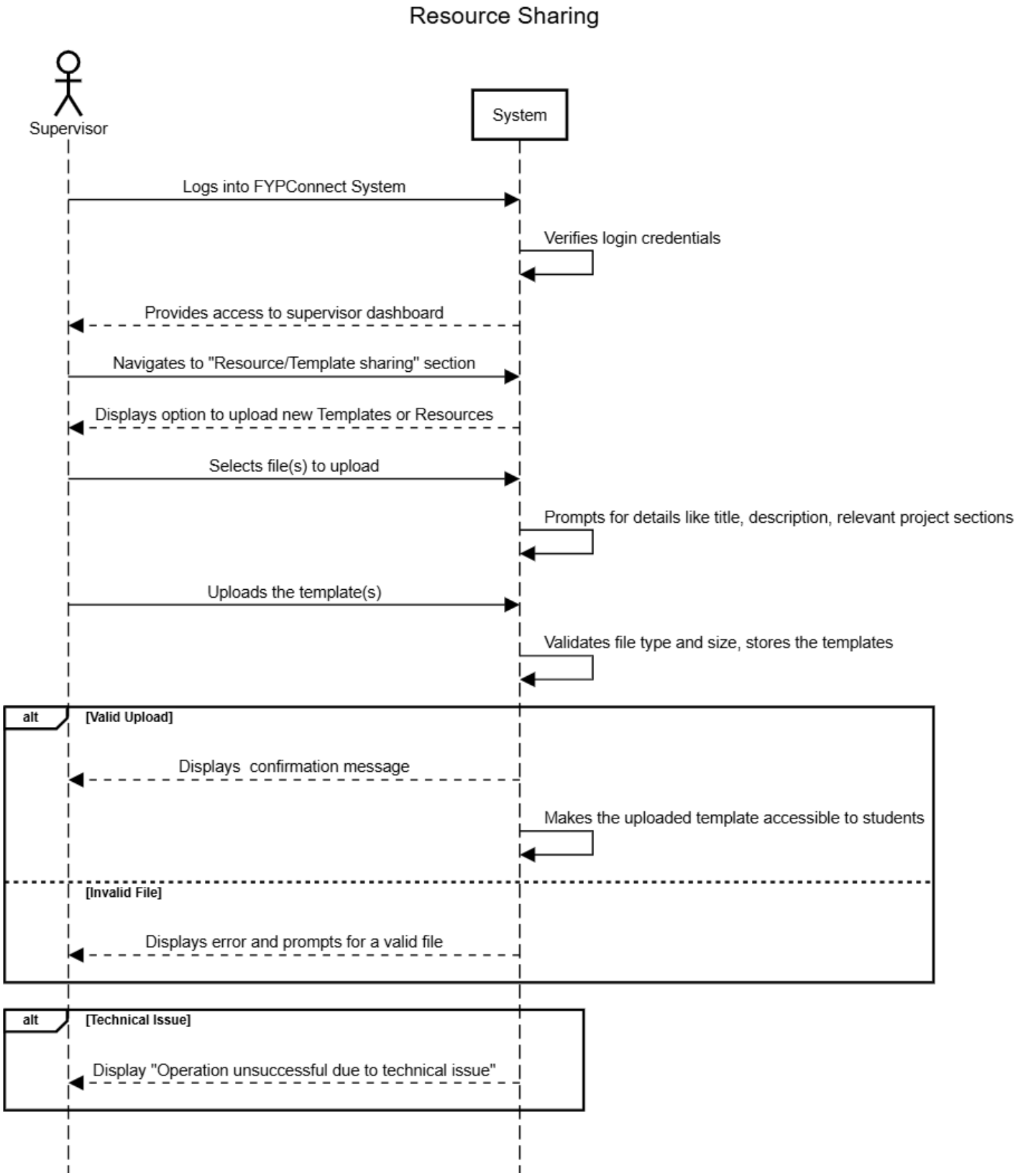
Submission Tab



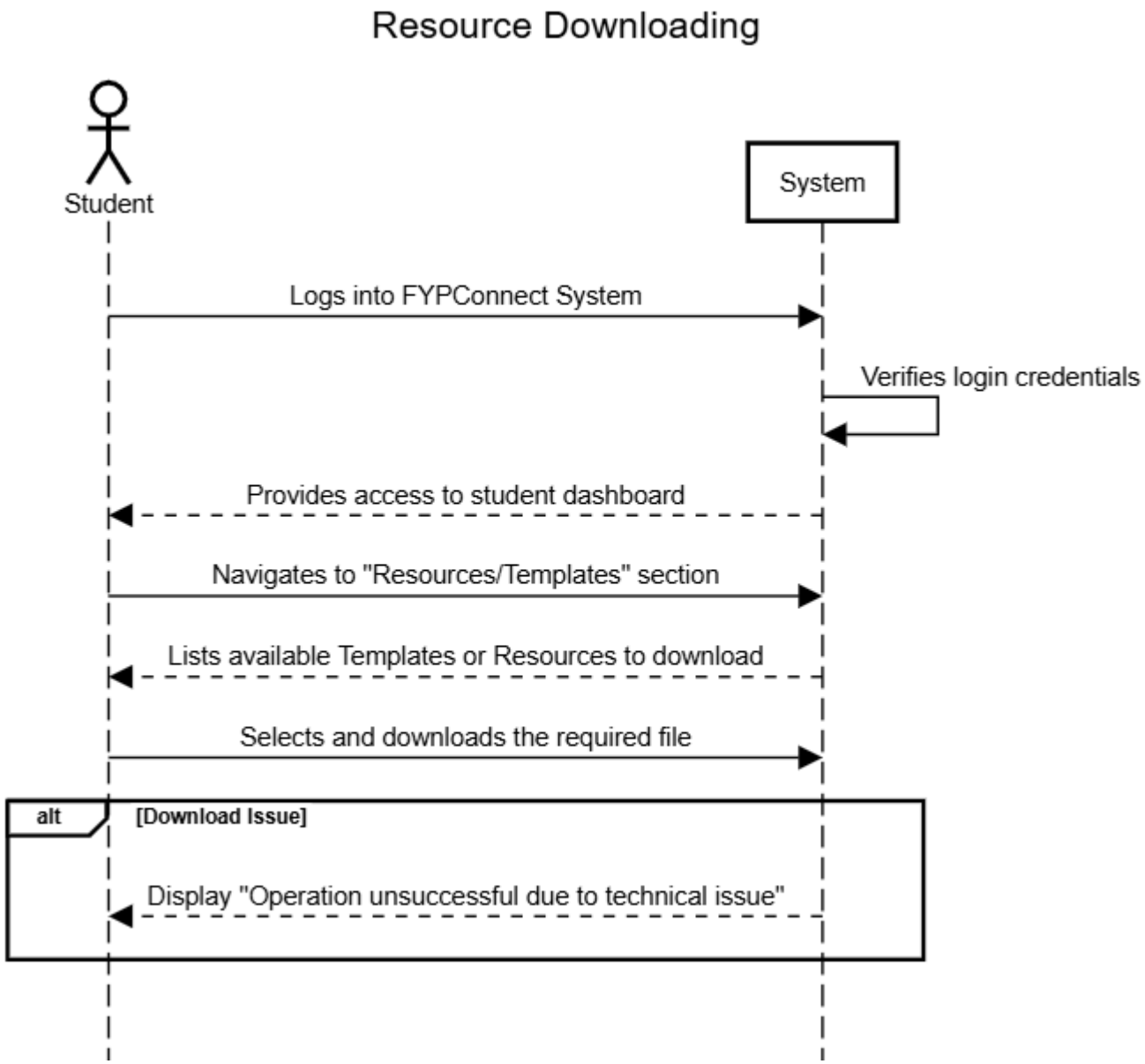
Search Functionality



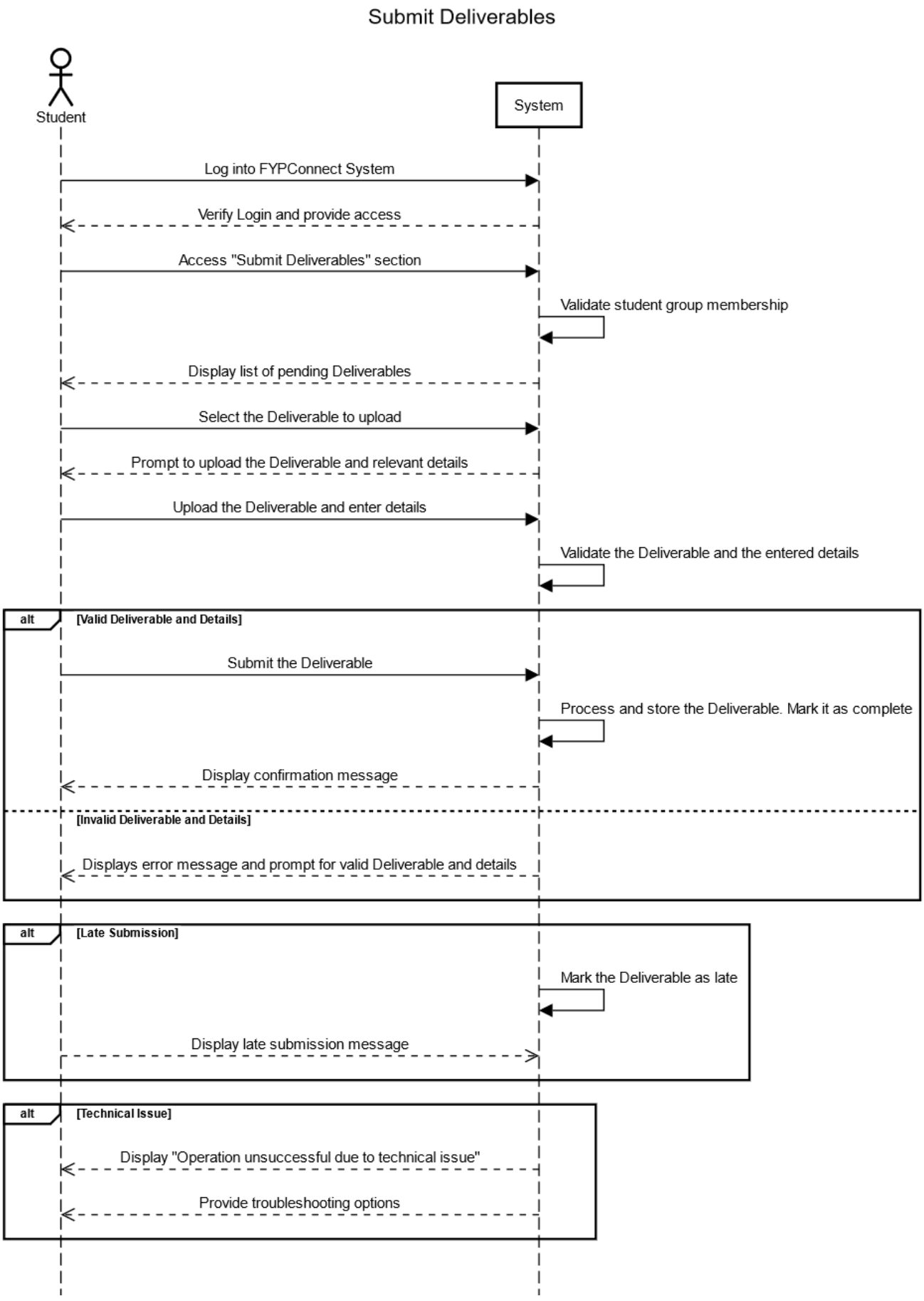
Resource Uploading



Resource Downloading

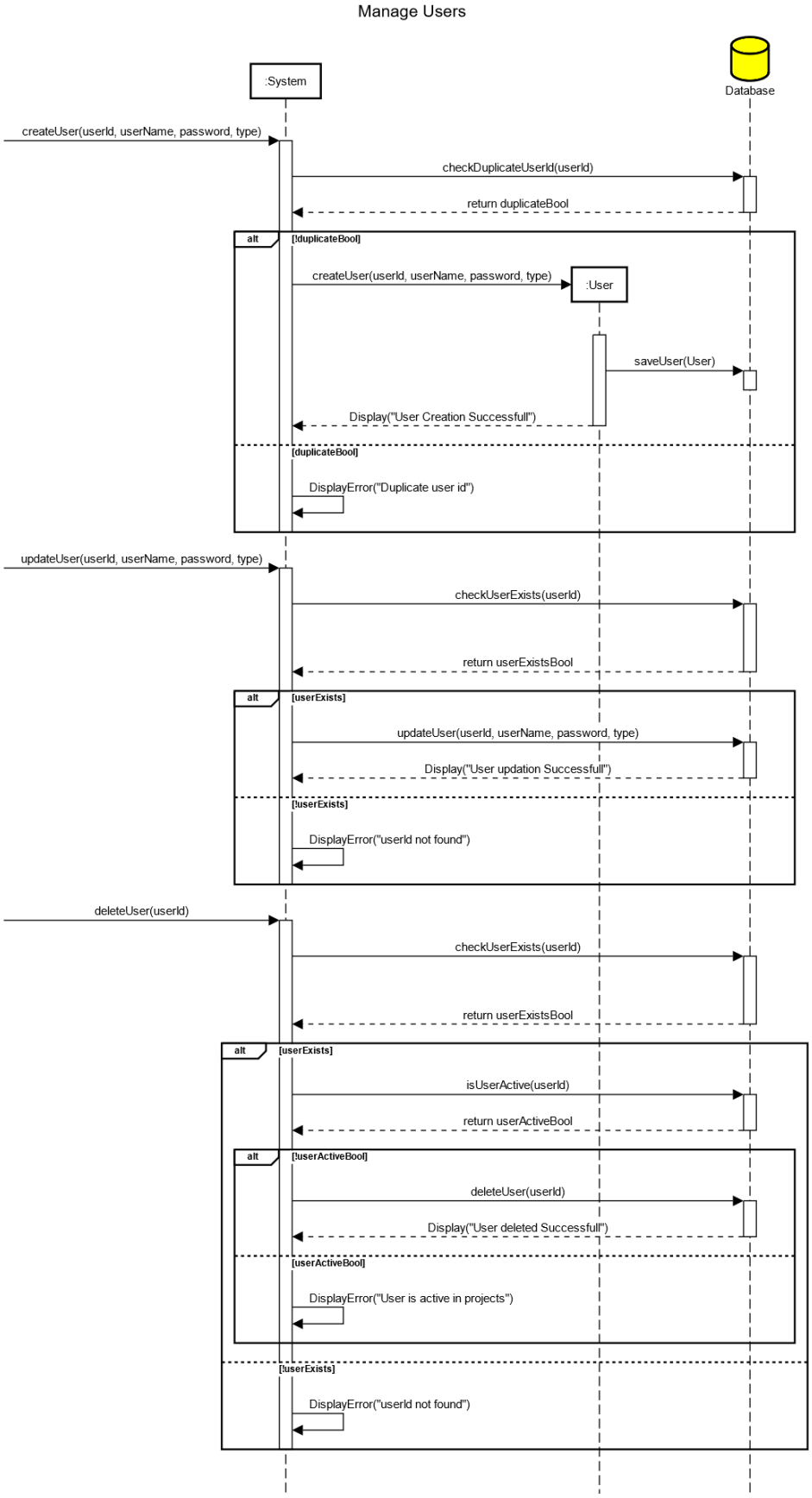


Submit Deliverables

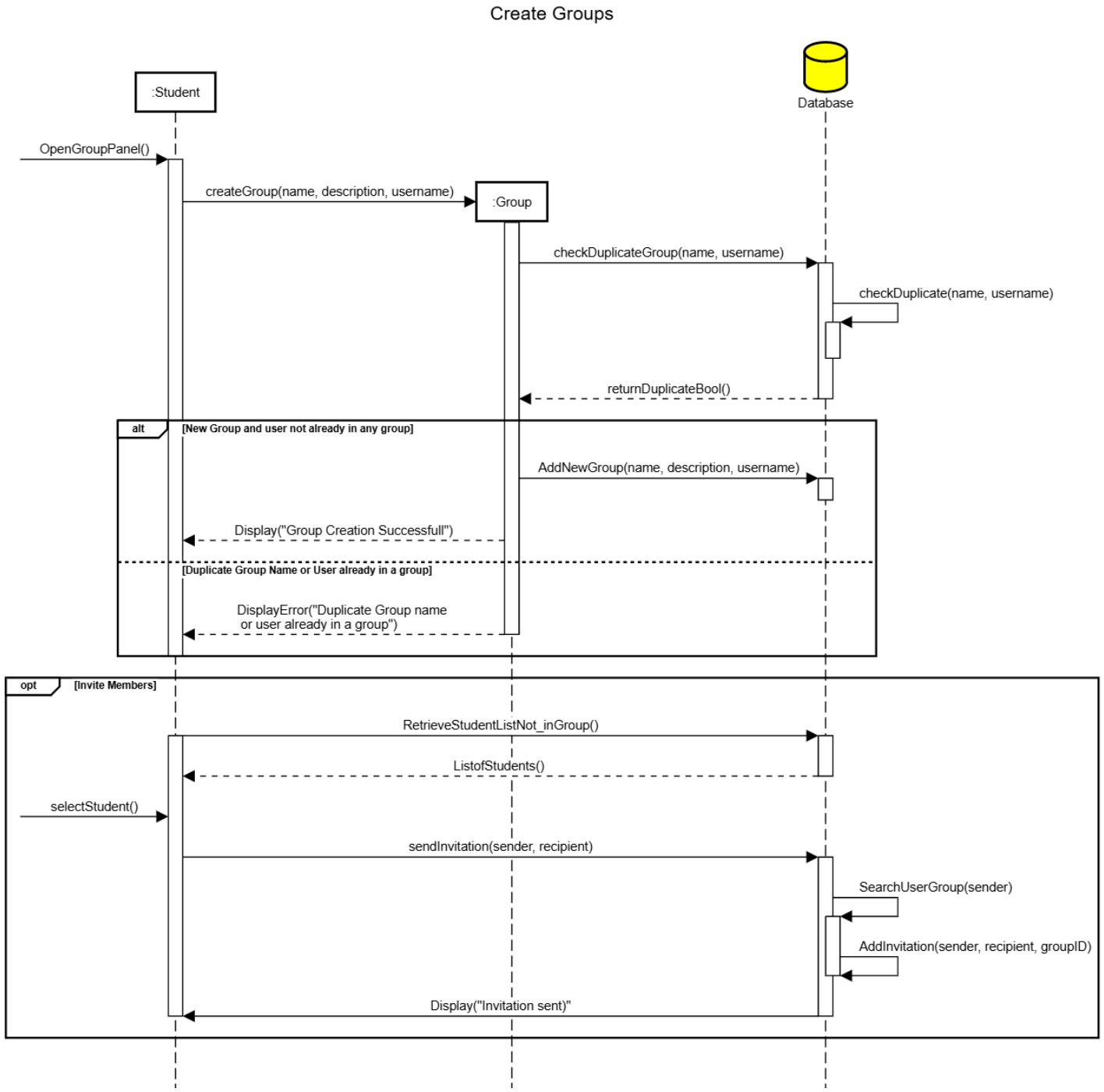


SEQUENCE DIAGRAMS

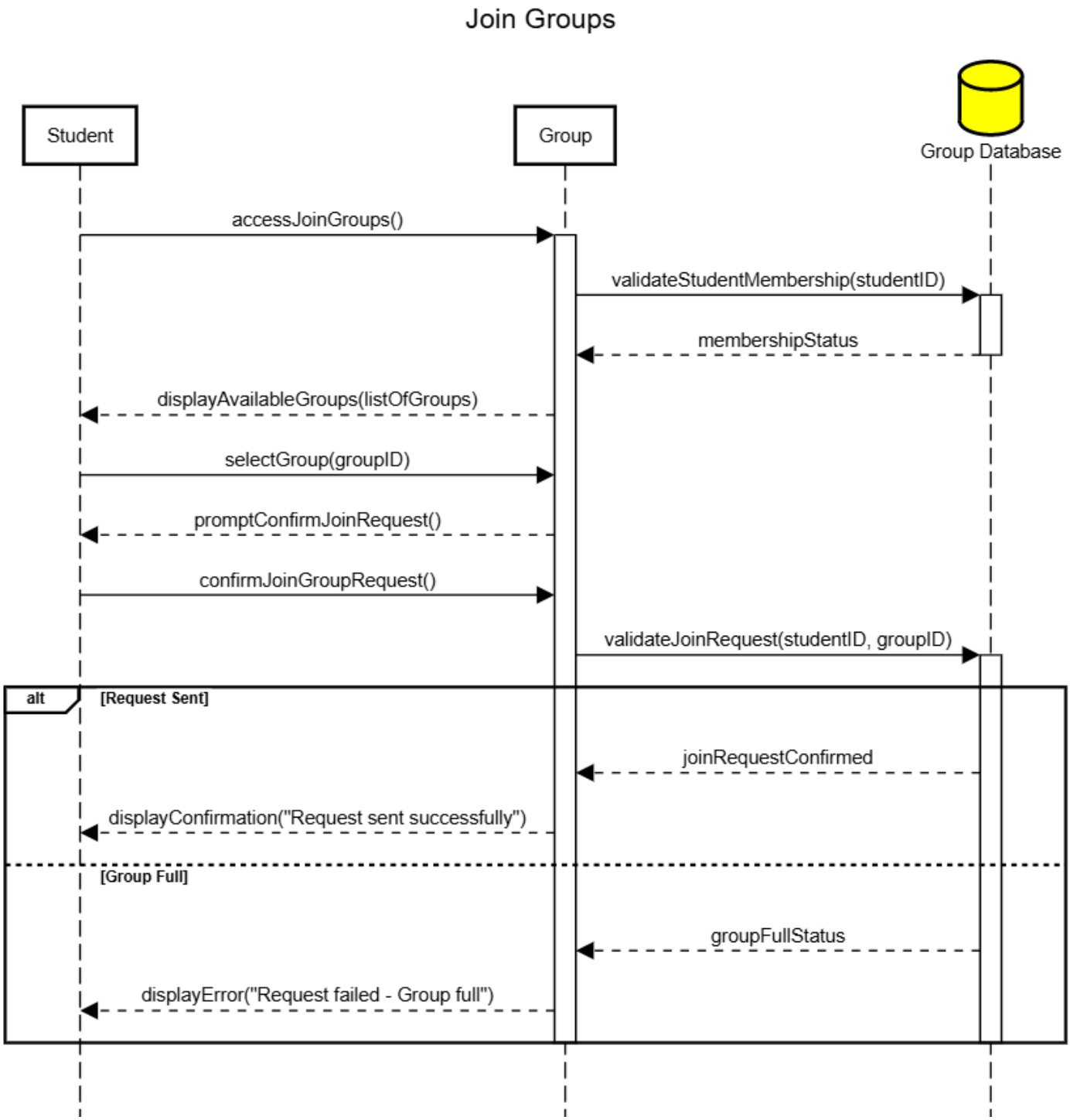
Manage Users



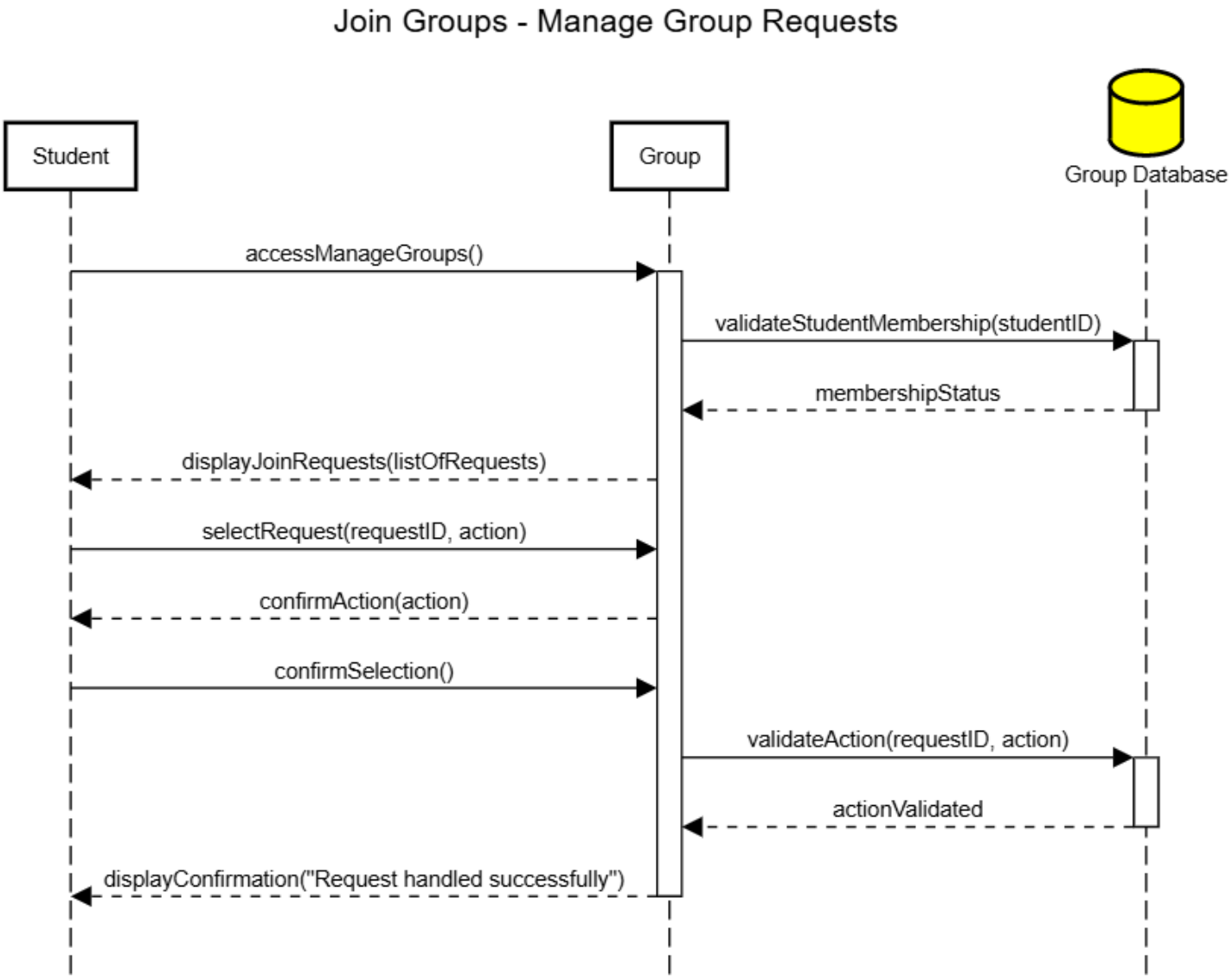
Create Groups



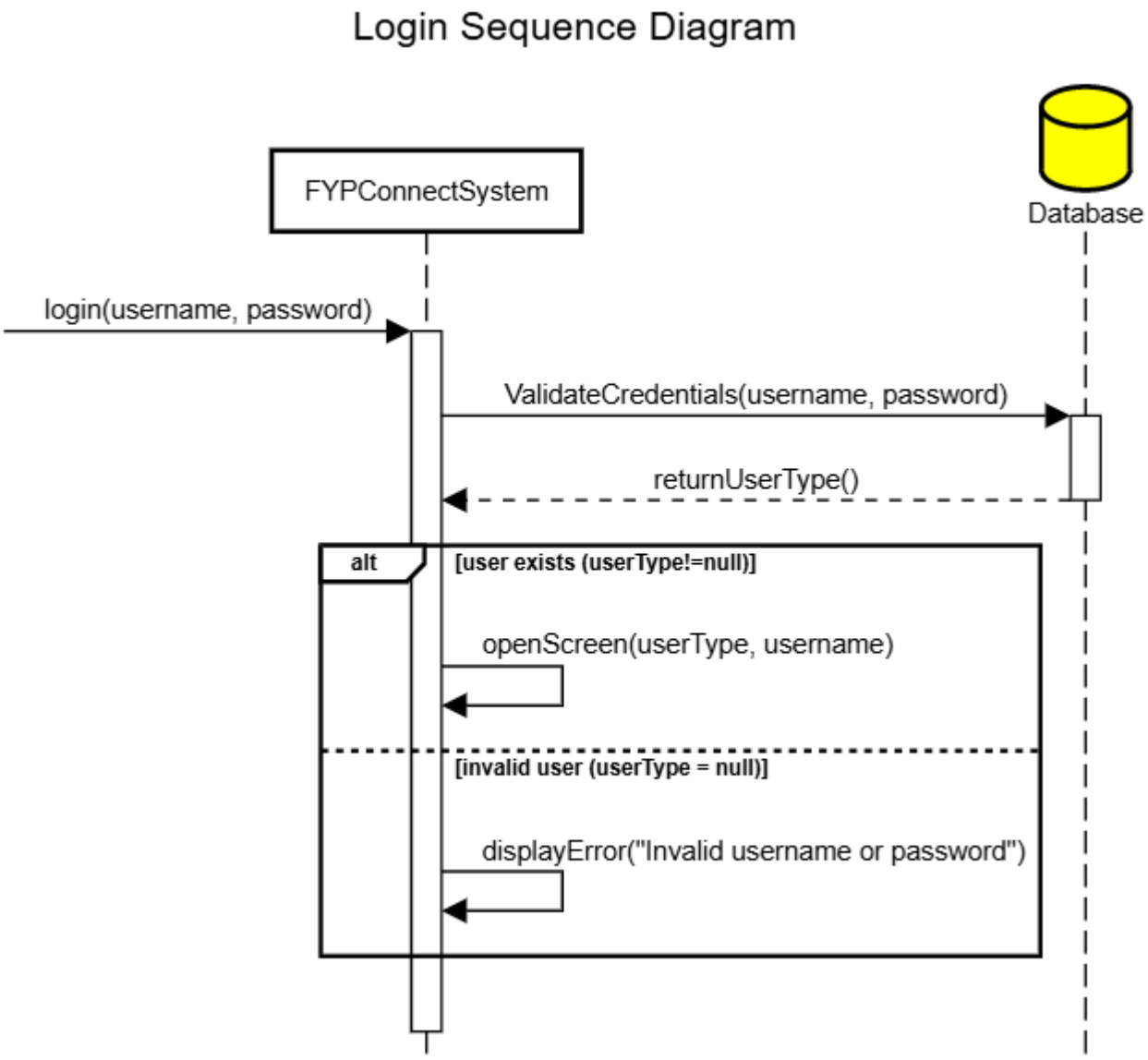
Join Group Request



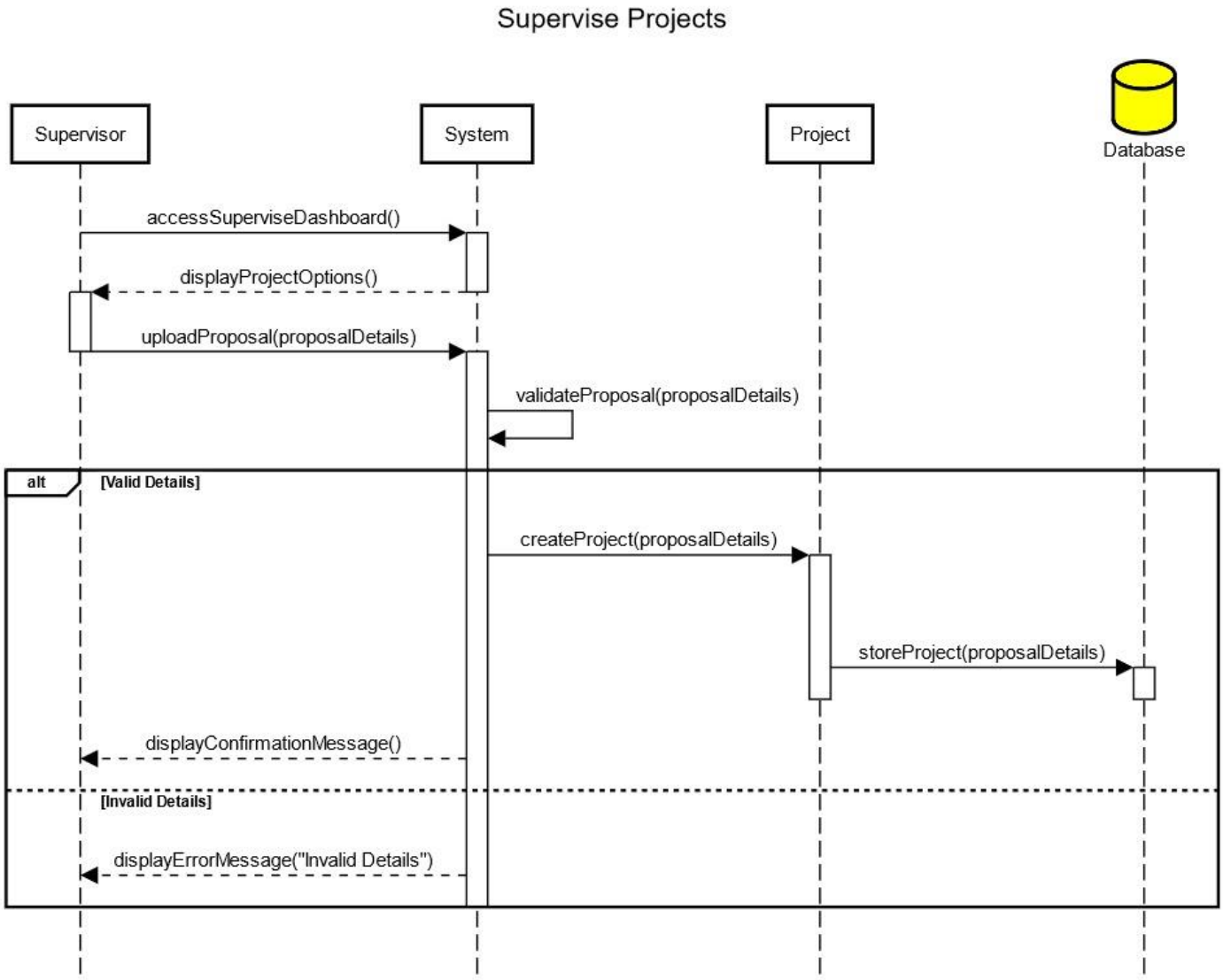
Join Group


Join Groups - Manage Group Requests
Student
Group
Group Database
accessManageGroups()
validateStudentMembership(studentID)
membershipStatus
displayJoinRequests(listOfRequests)
selectRequest(requestID, action)
confirmAction(action)
confirmSelection()
validateAction(requestID, action)
actionValidated
displayConfirmation("Request handled successfully")

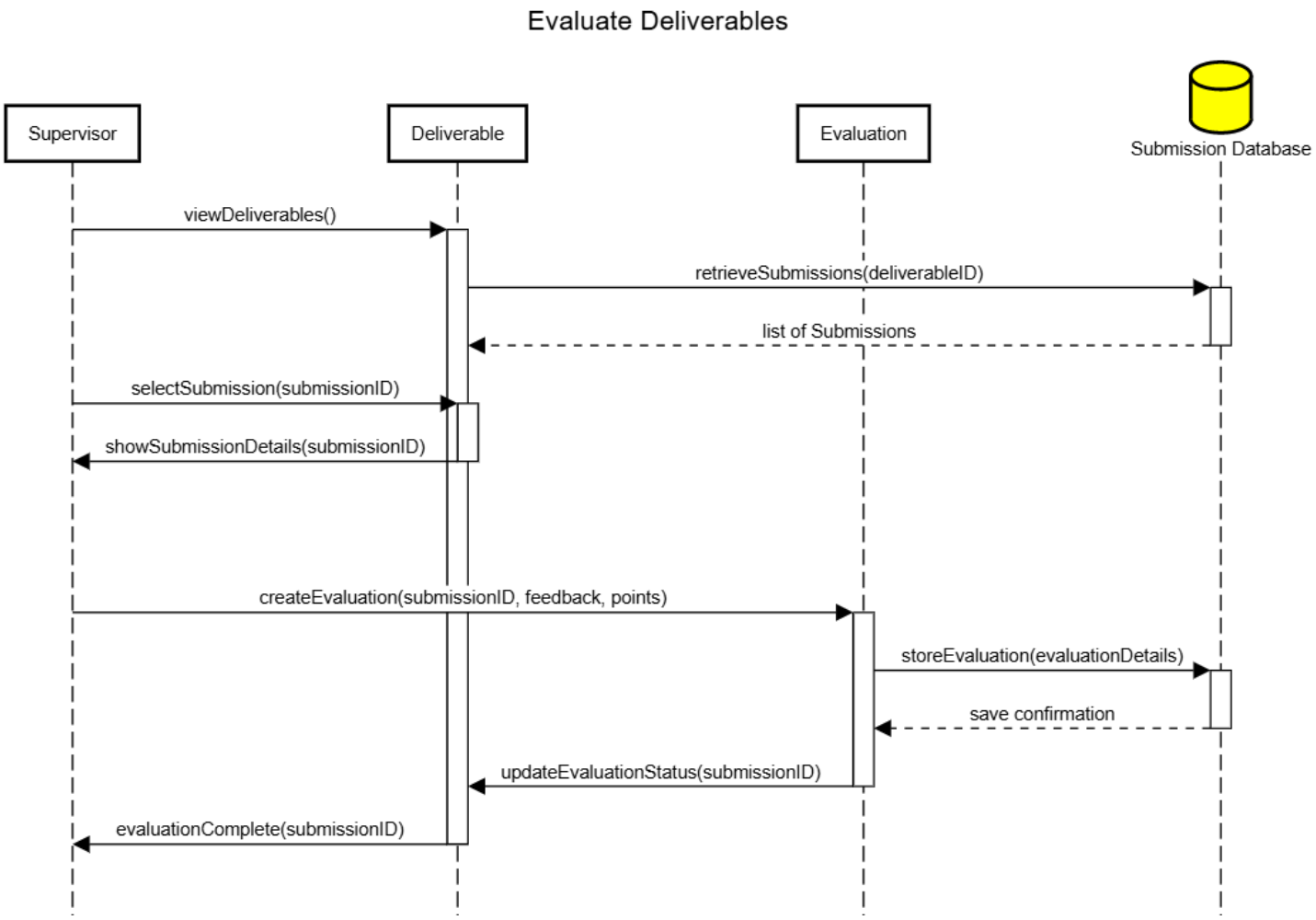
Login


Login Sequence Diagram
FYPConnectSystem
Database
login(username, password)
ValidateCredentials(username, password)
returnUserType()
alt
[user exists (userType!=null)]
openScreen(userType, username)
[invalid user (userType = null)]
displayError("Invalid username or password")

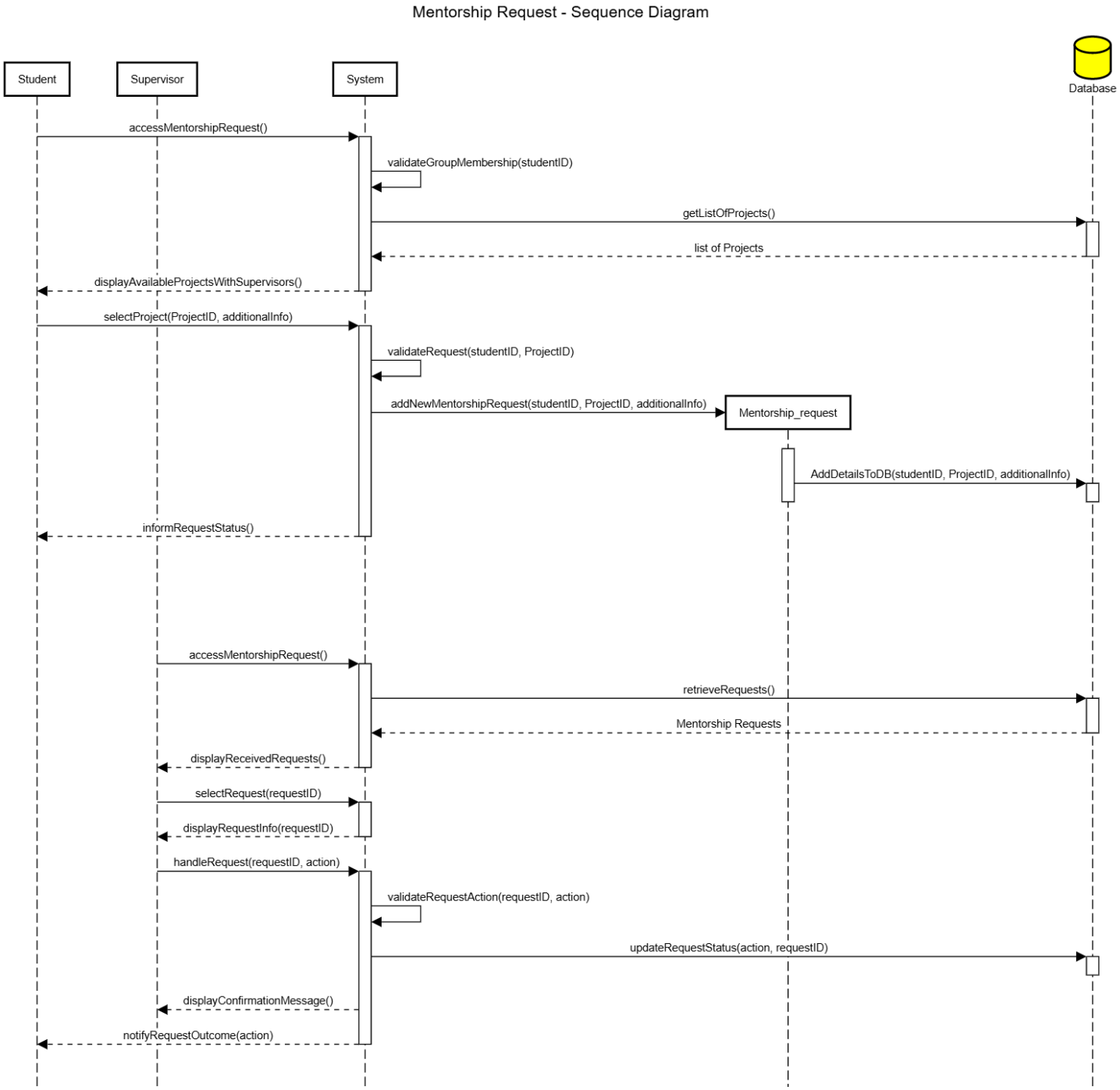
Supervise Projects



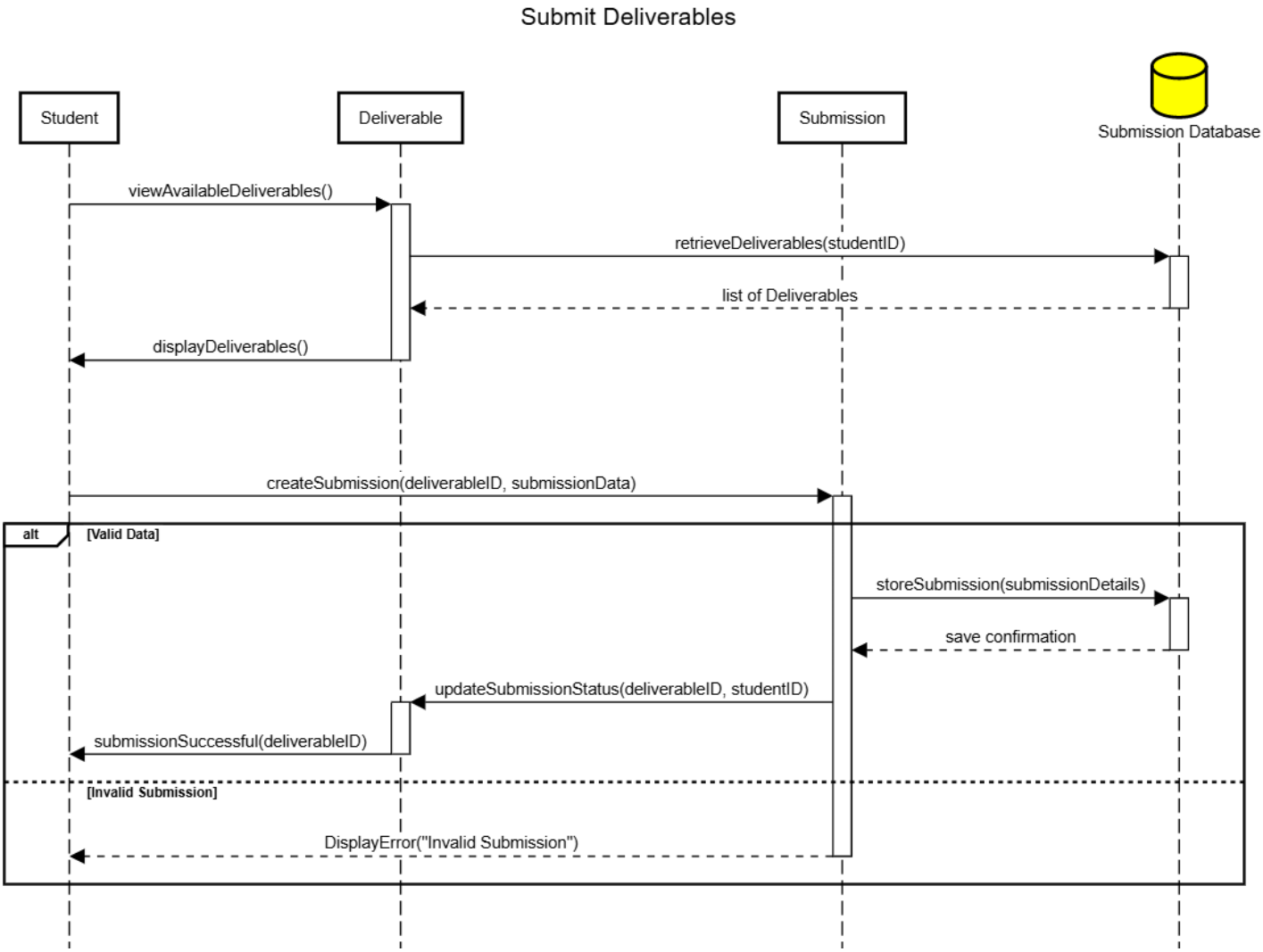
Evaluate Deliverables



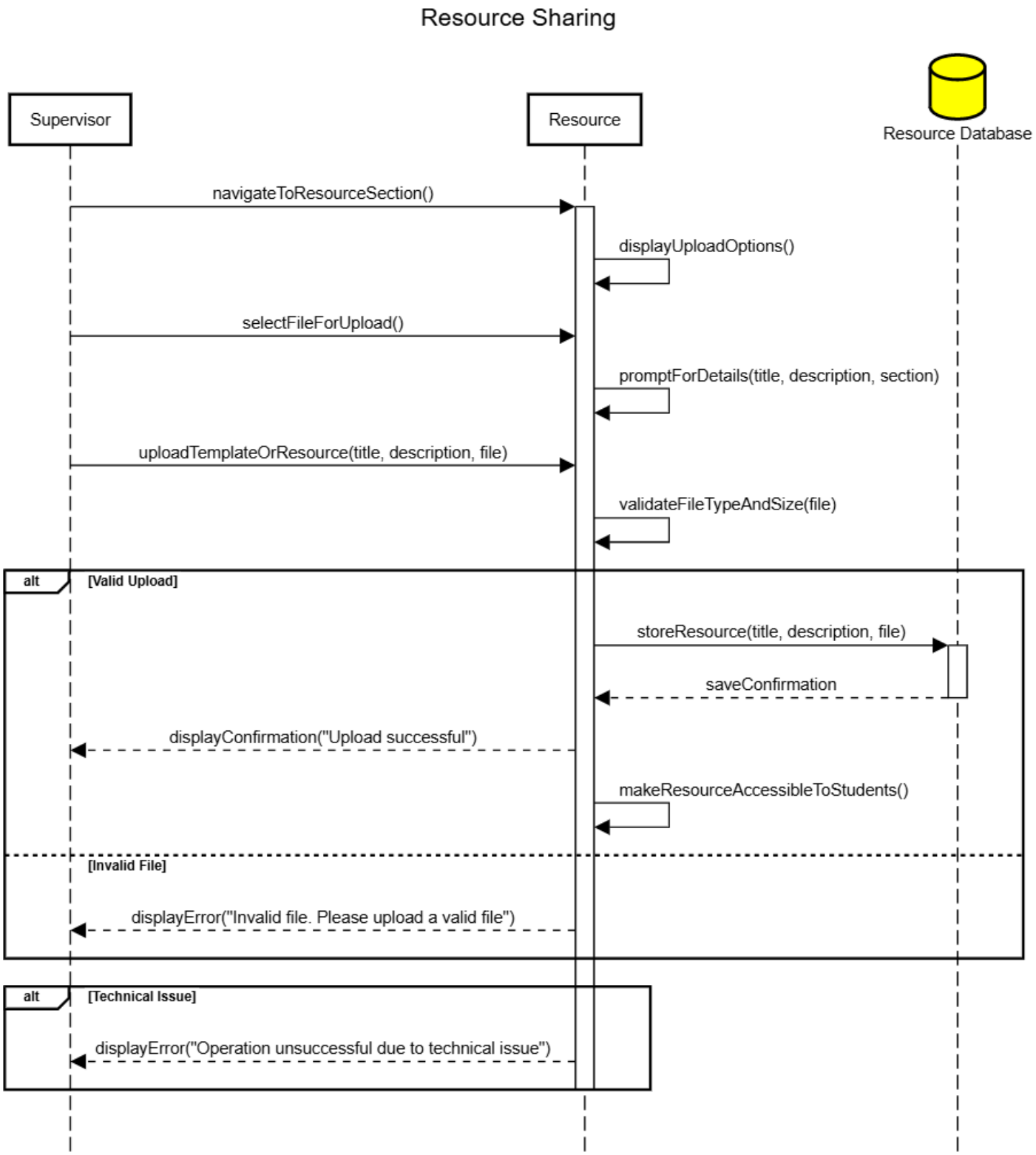
Mentorship Request



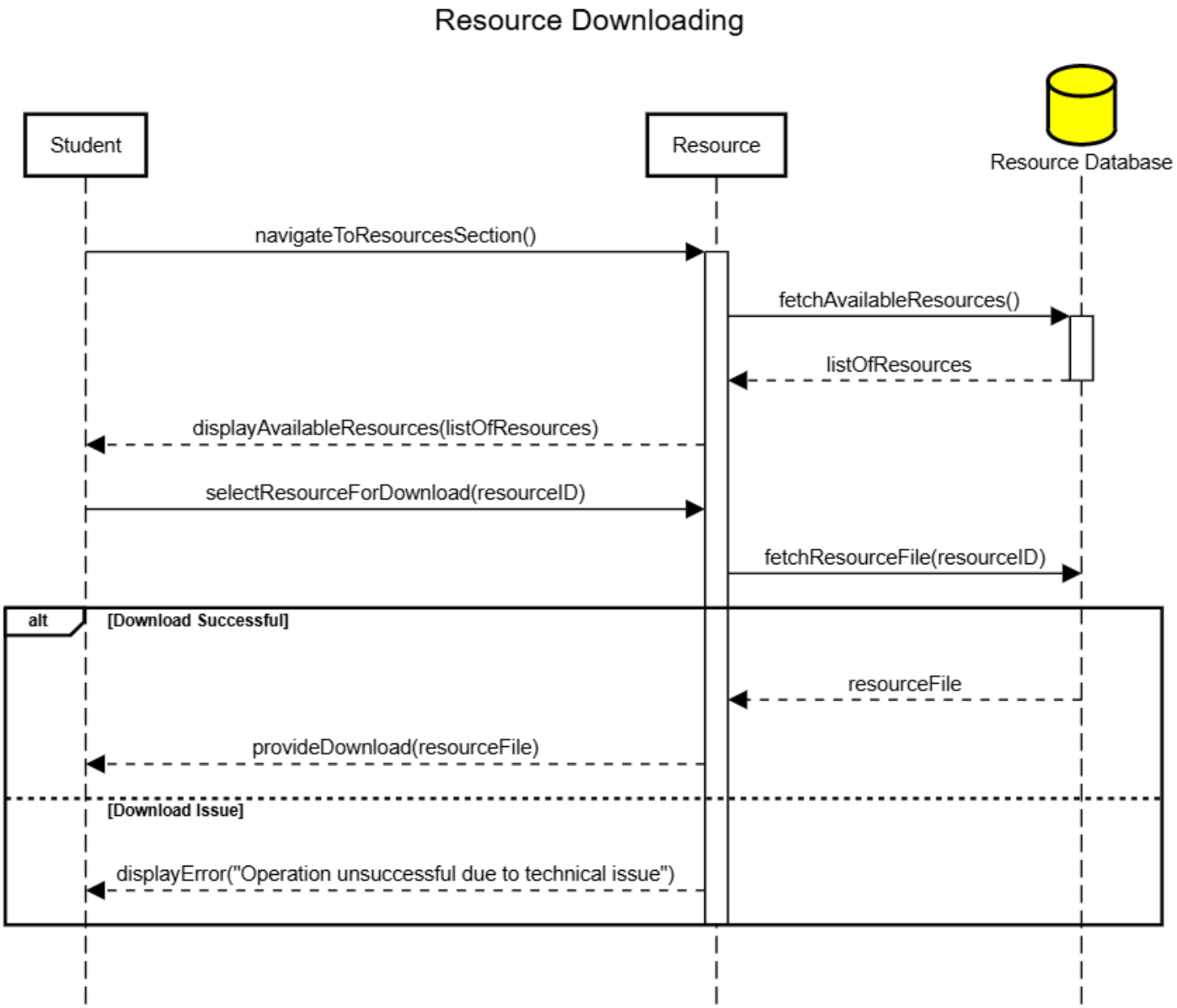
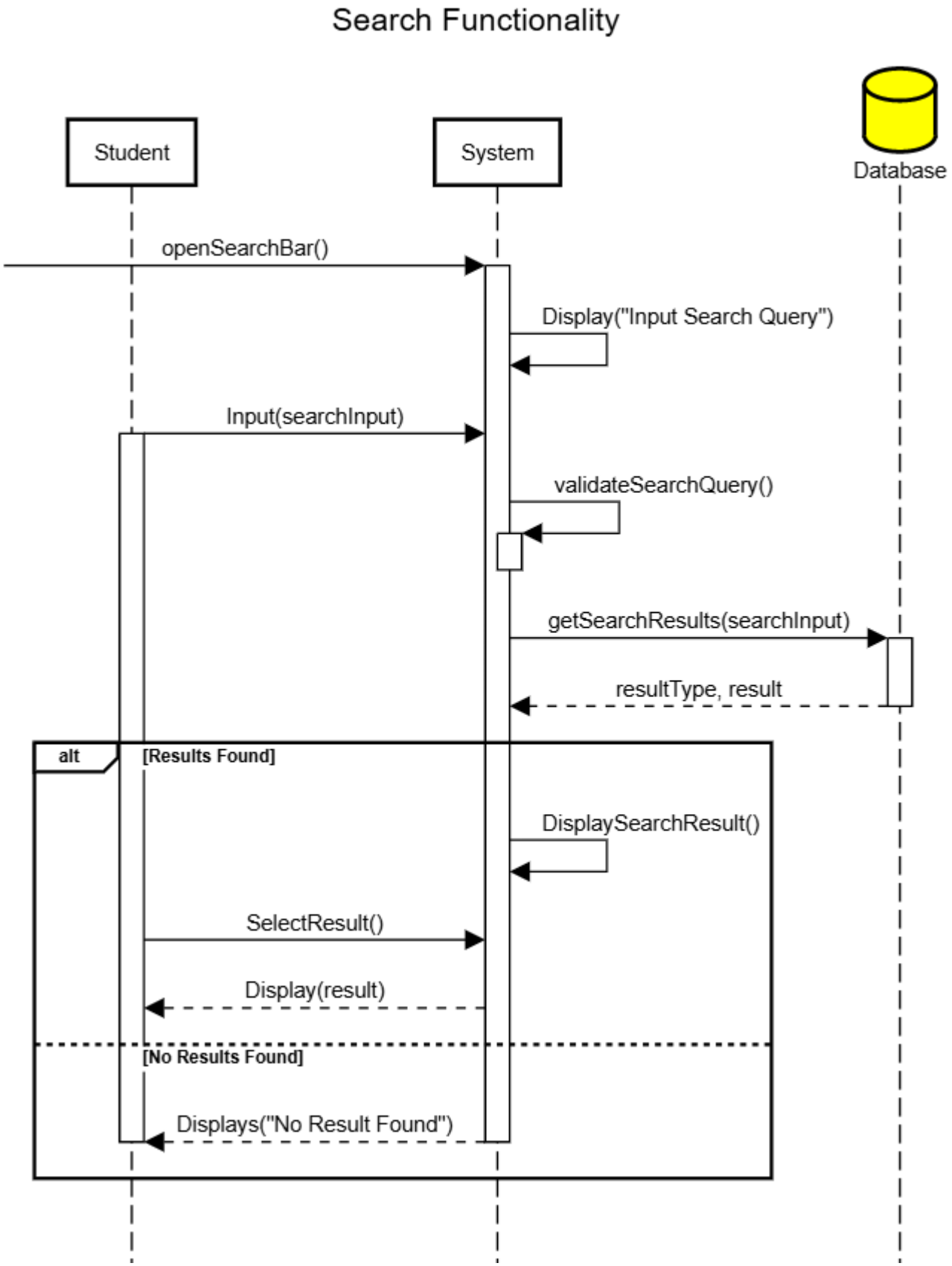
Submit Deliverables



Resource Uploading



Resource Downloading



Search Functionality