



North South University
Department of Electrical & Computer
Engineering

CSE327: Software Engineering
Section:09
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Submitted to: Sarnali Basak

Project Proposal

Bizcon
(A business platform)

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Use Cases:

Use Case Name: User login

Actor: User

Scenario: 1. Input user Id and password
2. Authentication of login details
3. Save Id and password
4. Remember details and autofill

Exception: 1. Wrong login details
2. Connection lost

Precondition: 1. Page URL

Post Condition: 1. Successful login - login and move to homepage, change status to online
2. Unsuccessful login - error message
3. Connection lost - remain in same page

Use Case Name: Create User account

Actor: User

Scenario: 1. Input user Id, password, confirm password
2. Select type of account - business profile/buyer profile
3. Check id and password unique or not
4. Add user to database

Exception: 1. Duplicate login details
2. Connection lost

Precondition: 1. Page URL

Post Condition: 1. Successful creation and business profile selected - login and move to business profile creation
2. Successful creation and buyer profile selected - login and move to buyer profile creation
3. Unsuccessful creation/duplicate user found- error message, user not added to database
4. Connection lost - remain in same page

Use Case Name: Business profile creation

Actor: User(Business Profile)

Scenario: 1. Add business name, description/bio, date of establishment, address, contact details
2. Add products and services available
3. Add profile picture
4. Select search keywords(to facilitate searching of business profiles)

Exception: 1. Unsupported Text or symbols
2. Image size or format issue
3. Connection lost

Precondition: 1. Page URL and account exists

Post Condition: 1. Successful- move to homepage
2. Unsuccessful- error message, page emptied and remain in same page
3. Connection lost - remain in same page

Use Case Name: Buyer profile creation

Actor: User(Buyer Profile)

Scenario: 1. Add buyer name, description/bio, date of birth, address, contact details
2. Add interested products and services
3. Add profile picture

Exception: 1. Unsupported Text or symbols
2. Image size or format issue
3. Connection lost

Precondition: 1. Page URL and account exists

Post Condition: 1. Successful- move to homepage
2. Unsuccessful- error message, page emptied and remain in same page
3. Connection lost - remain in same page

Use Case Name: User logout

Actor: User

Scenario: 1. Ask for confirmation of logout
2. Disconnect from server
3. Change status to offline

Exception: 1. Unsaved changes
2. Connection lost

Precondition: 1. Page URL

Post Condition: 1. Successful logout - change status to offline, move to login page
2. Prompt to logout canceled- stay in same page
3. Connection lost - stay in same page

Use Case Name: Make post

Actor: User(Business profile)

Scenario: 1. Text box to enter post details
2. Add related hashtags for further reach
3. Link to product and services list or exact product being posted about
4. Like counter set to 0
5. Comment section, initially empty
6. Post added to database

Exception: 1. Unsaved changes
2. Connection lost

Precondition: 1. Page URL

Post Condition: 1. Successful - move to profile page and show new post at top of timeline
2. Post canceled - move back to homepage
3. Connection lost - move back to homepage

Use Case Name: Comment

Actor: User

Scenario: 1. Text box to enter comment details
2. Comment added to database with the post in question

Exception: 1. Unsaved changes
2. Connection lost

Precondition: 1. Page URL and post exists

Post Condition: 1. Successful - refresh page and show post with comment added
2. Comment canceled - remain in page
3. Connection lost - remain in page

Use Case Name: Like post

Actor: User

Scenario: 1. Like button

2. Like counter beside like button in post incremented or decremented

Exception: 1. Connection lost

Precondition: 1. Page URL and post exists

Post Condition: 1. Liked - like counter increased by 1, like button changes color

2. Unliked - like counter decreased by 1, like button reverts to default color

3. Connection lost - remain in page

Use Case Name: Delete post

Actor: User

Scenario: 1. confirmation button for deletion

2. Post deleted from database

Exception: 1. Connection lost

Precondition: 1. Page URL and post exists

Post Condition: 1. Successful delete - post removed from database, move to homepage

2. Delete canceled - move to homepage

3. Connection lost - remain in page

Use Case Name: View profile

Actor: User

Scenario: 1. User profile selected and displayed

2. User timeline with all past posts displayed

3. option to display menu of products and services available

4. Make order from menu(buyer profile)

Exception: 1. Connection lost

Precondition: 1. Page URL and profile exists

Post Condition: 1. Successful - move to user profile page

2. Unsuccessful- show error message and move to homepage

3. Connection lost - move to homepage

Use Case Name: Search

Actor: User

Scenario: 1. Text box, enter keywords with hashtags or name of profile/products

2. List of posts and profiles filtered using hashtags and keywords is displayed

3. Can click to jump to selected post or profile

Exception: 1. Connection lost

2. No search results

Precondition: 1. PageURL

Post Condition: 1. Successful - list of profiles and posts displayed, move to selected page

2. Unsuccessful- show error message and empty list

3. Connection lost - move to homepage

Use Case Name: Chat

Actor: User

Scenario: 1. Text box, enter message, emojis

2. Send images/videos

3. Receive messages simultaneously, immediately updated in chat box

Exception: 1. Connection lost

Precondition: 1. PageURL and receiver user account exists

Post Condition: 1. Successful message sent- chat box updated

2. Unsuccessful message sent l- show error message and chat box Unchanged

3. Connection lost - error message showing network issue

Use Case Name: Call

Actor: User

Scenario: 1. In chat window, call option for real time
2. Send Call, receive call
3. Dial tone while attempting to connect
4. Receiver gets call notification

Exception: 1. Connection lost
2. Receiver offline

Precondition: 1. PageURL and receiver user account exists

Post Condition: 1. Successful call sent- Receiver Gets call ring
2. call not answered - show call declined message
3. Connection lost - error message showing network issue
4. Receiver not online - error message shown user not online

Use Case Name: Payment

Actor: User(Buyer)

Scenario: 1. Window showing amount to be paid and payment method
2. Enter business profile's wallet ID
3. Enter buyer password
4. Confirm password
5. Payment processed and amount deducted from buyer account and added to business account

Exception: 1. Connection lost
2. authentication failed
3. Not enough balance

Precondition: 1. PageURL and receiver user account exists

Post Condition: 1. Successful payment - confirmation message sent to buyer, notification sent to receiver, balance of both parties updated
2. Unsuccessful authentication - payment window closed and return to previous page
3. Unsuccessful payment due to balance issue - error message shown, payment window closed and return to previous page
4. Connection lost - error message showing network issue

Use Case Name: Order manager

Actor: User

Scenario: 1. Menu showing list of orders received(business profile), or orders made(buyer profile).
2. Order confirmation
3. Order details, description, amount
4. Option to pay for order(buyer profile)

Exception: 1. Connection lost

Precondition: 1. PageURL

Post Condition: 1. Order confirmed - confirmation message sender to buyer
2. Order list empty - show message that list is empty
3. Connection lost - error message showing network issue
4. Order payment - sent to payment window

Use Case Name: Show newsfeed

Actor: User(buyer profile)

Scenario: 1. Page showing posts and profiles of relevant users
2. Can comment, like posts and search posts

Exception: 1. Connection lost

Precondition: 1. PageURL

Post Condition: 1. Successful retrieval of content - displays suggested posts and profiles
2. Connection lost - error message showing network issue

Use Case Name: Authenticate User

Actor: User

Scenario: 1. User credentials verified with database
2. If match, gives permission
3. If not does match, permission not given

Exception: 1. Connection lost

Precondition: 1. PageURL

Post Condition: 1. Credentials correct - confirmation message displayed and return to previous page
2. Credentials incorrect - show error message and return to previous page
3. Connection lost - error message showing network issue

Use Case Name: Check Account Exists

Actor: User

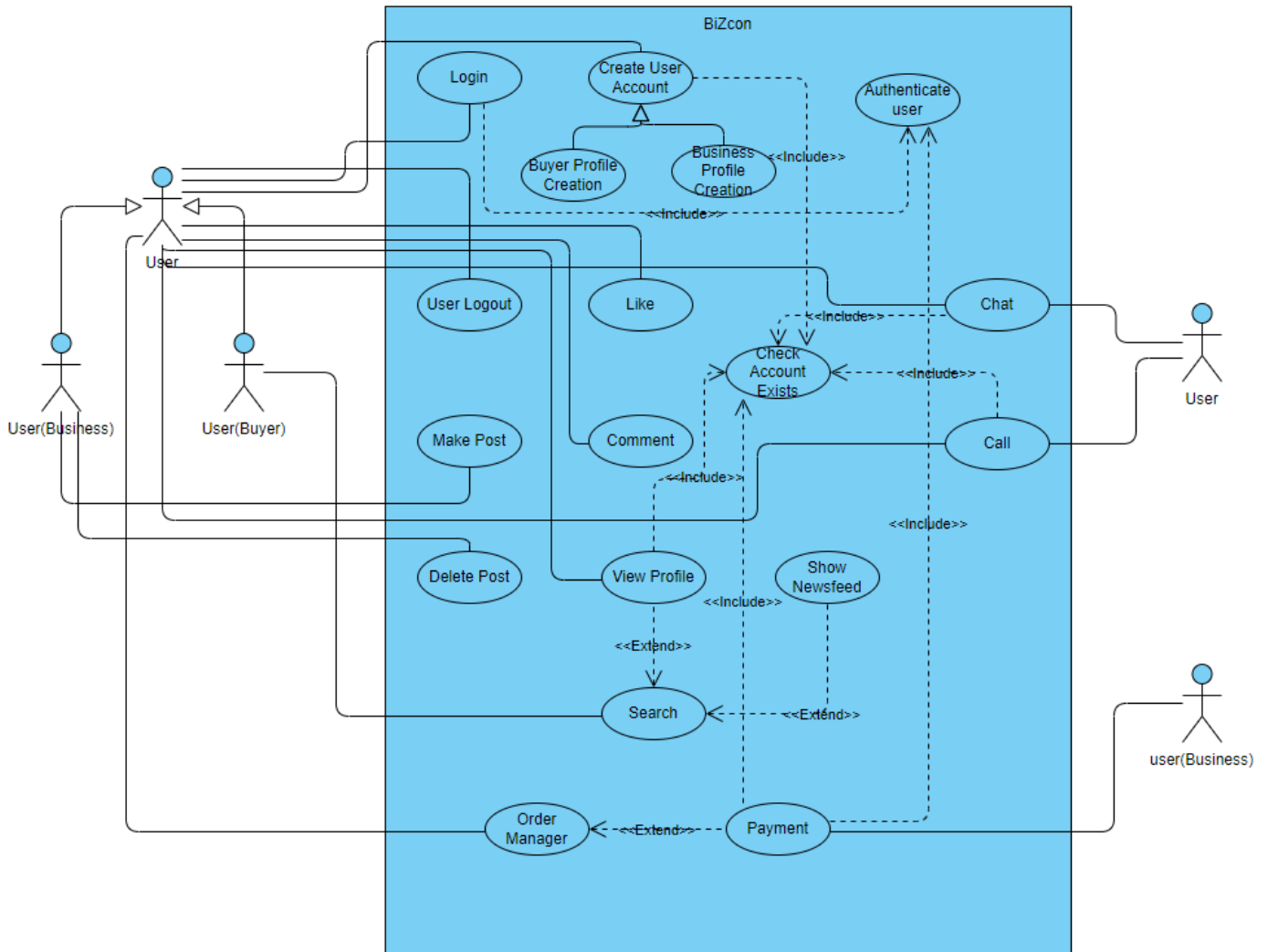
Scenario: 1. Account searched for in database
2. If found, result saved and returned
3. If not found, show error

Exception: 1. Connection lost

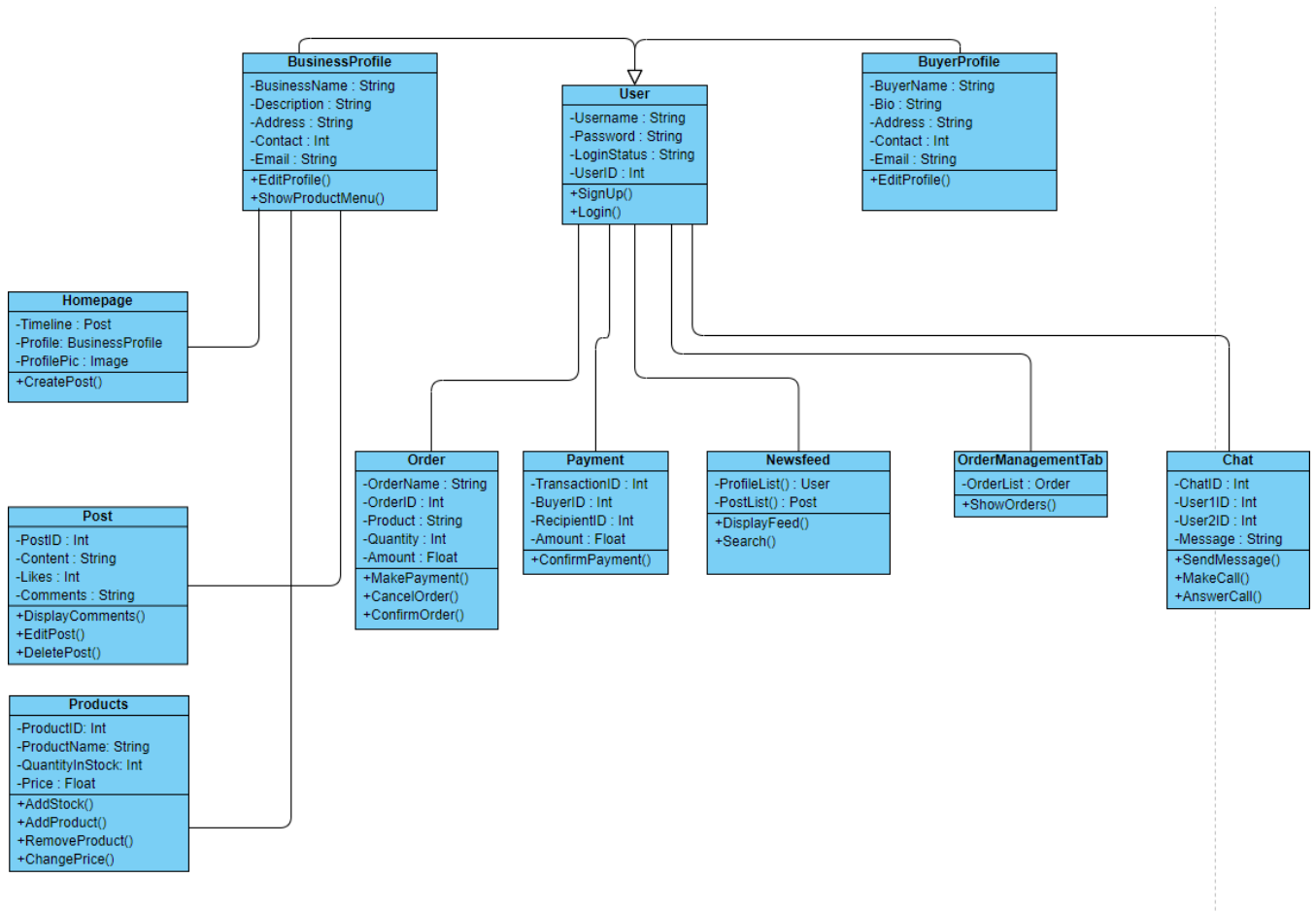
Precondition: 1. PageURL

Post Condition: 1. Profile found - confirmation message displayed and return to previous Page
2. Profile not found - show error message and return to previous page
3. Connection lost - error message showing network issue

Use Case Diagram:

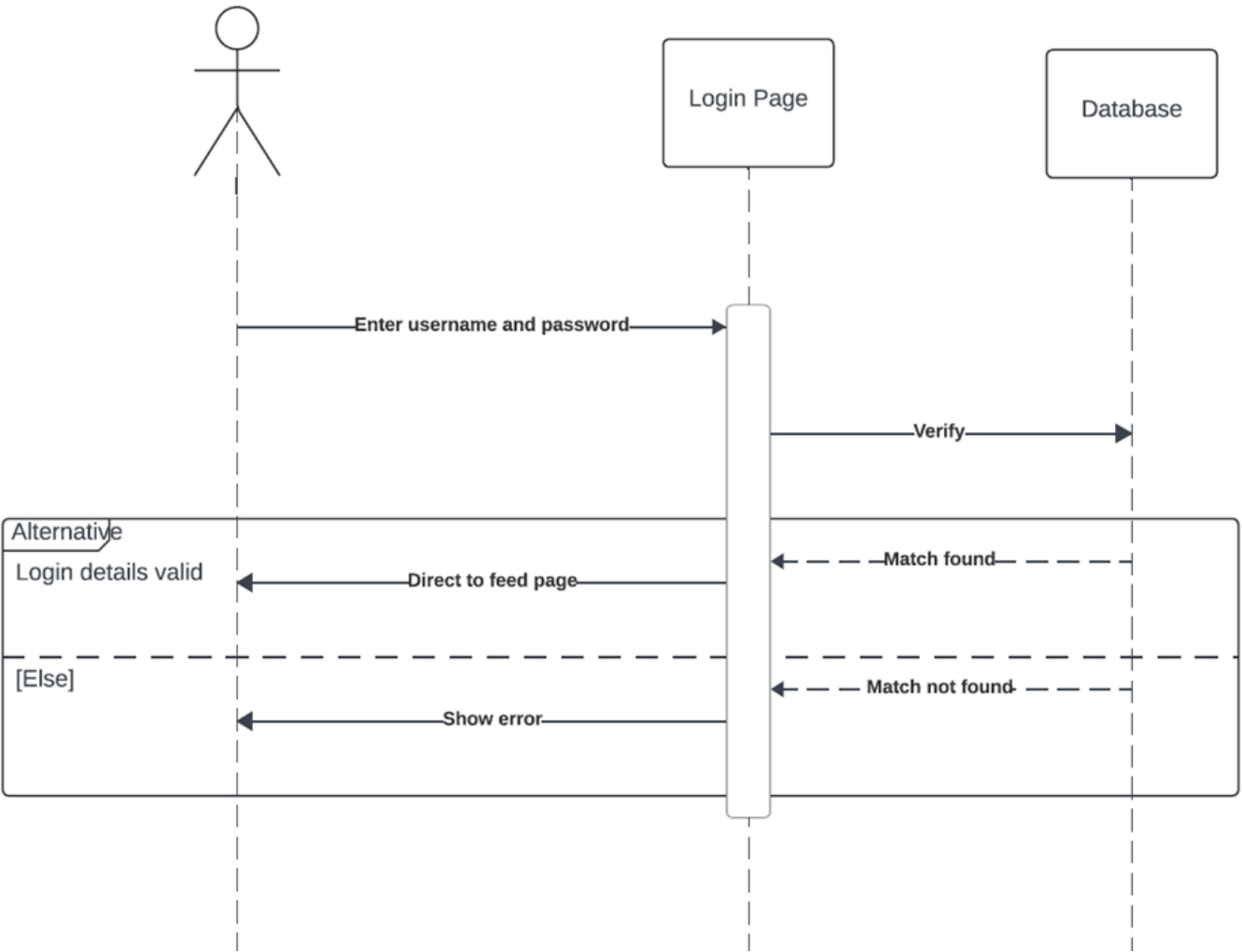


Class Diagram:

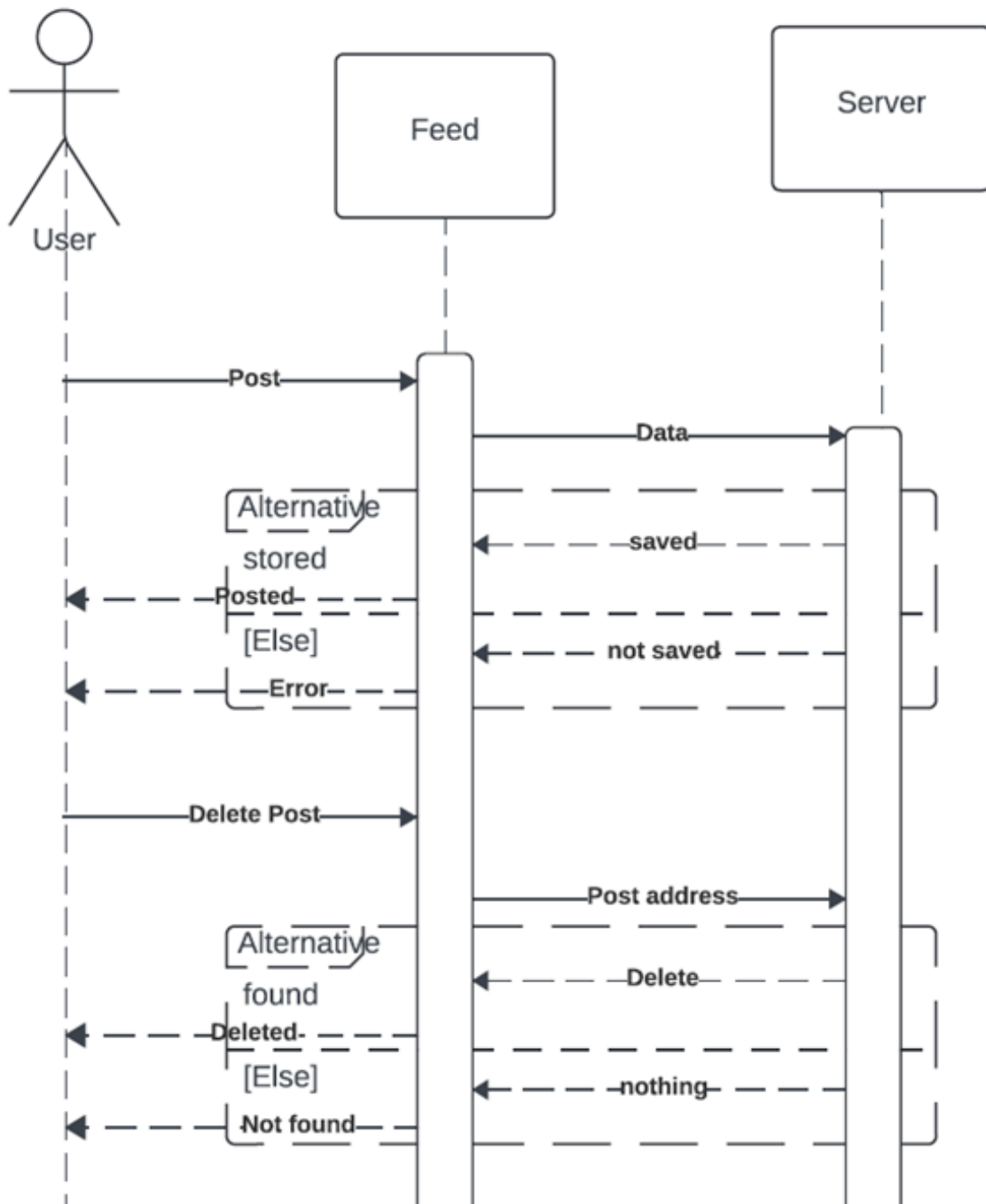


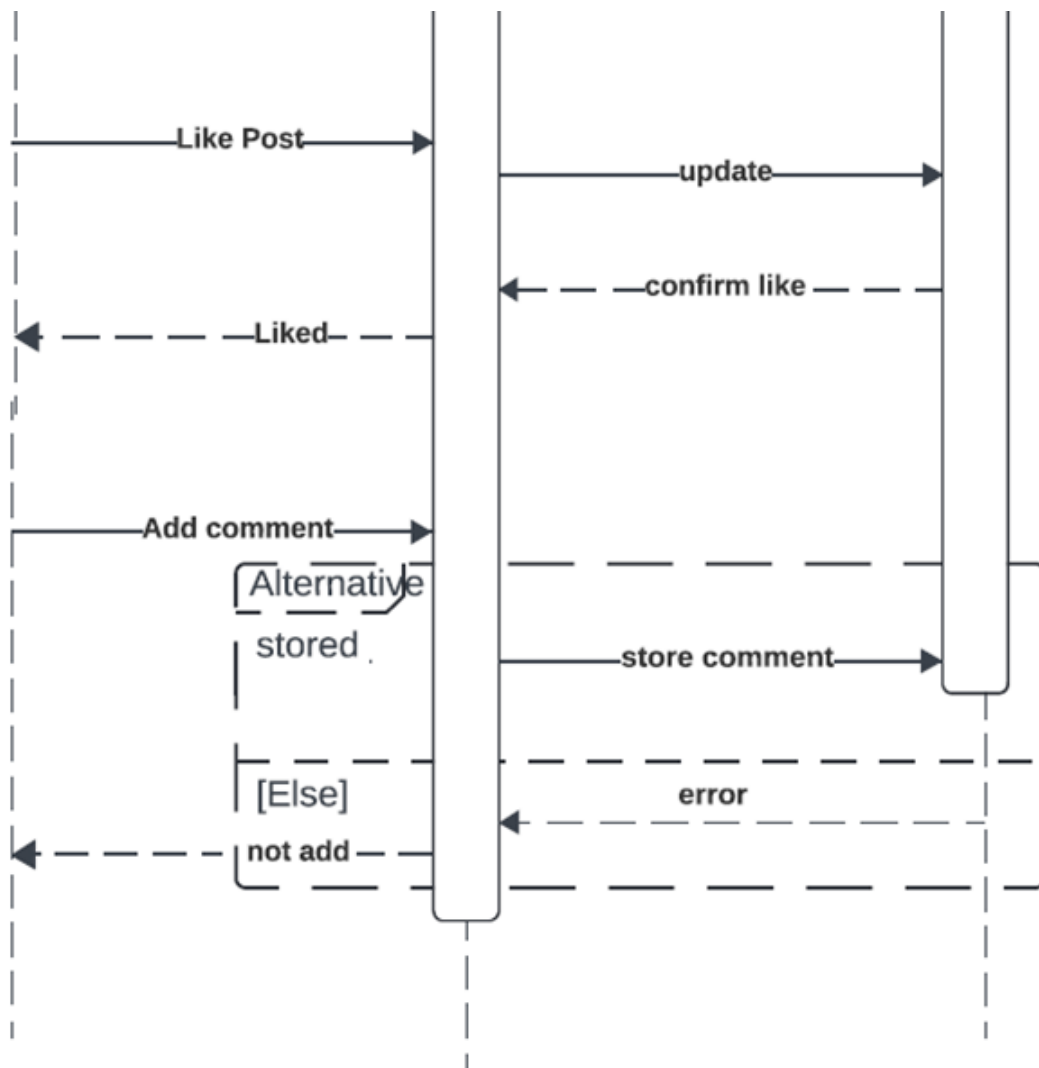
Sequence Diagram:

login:

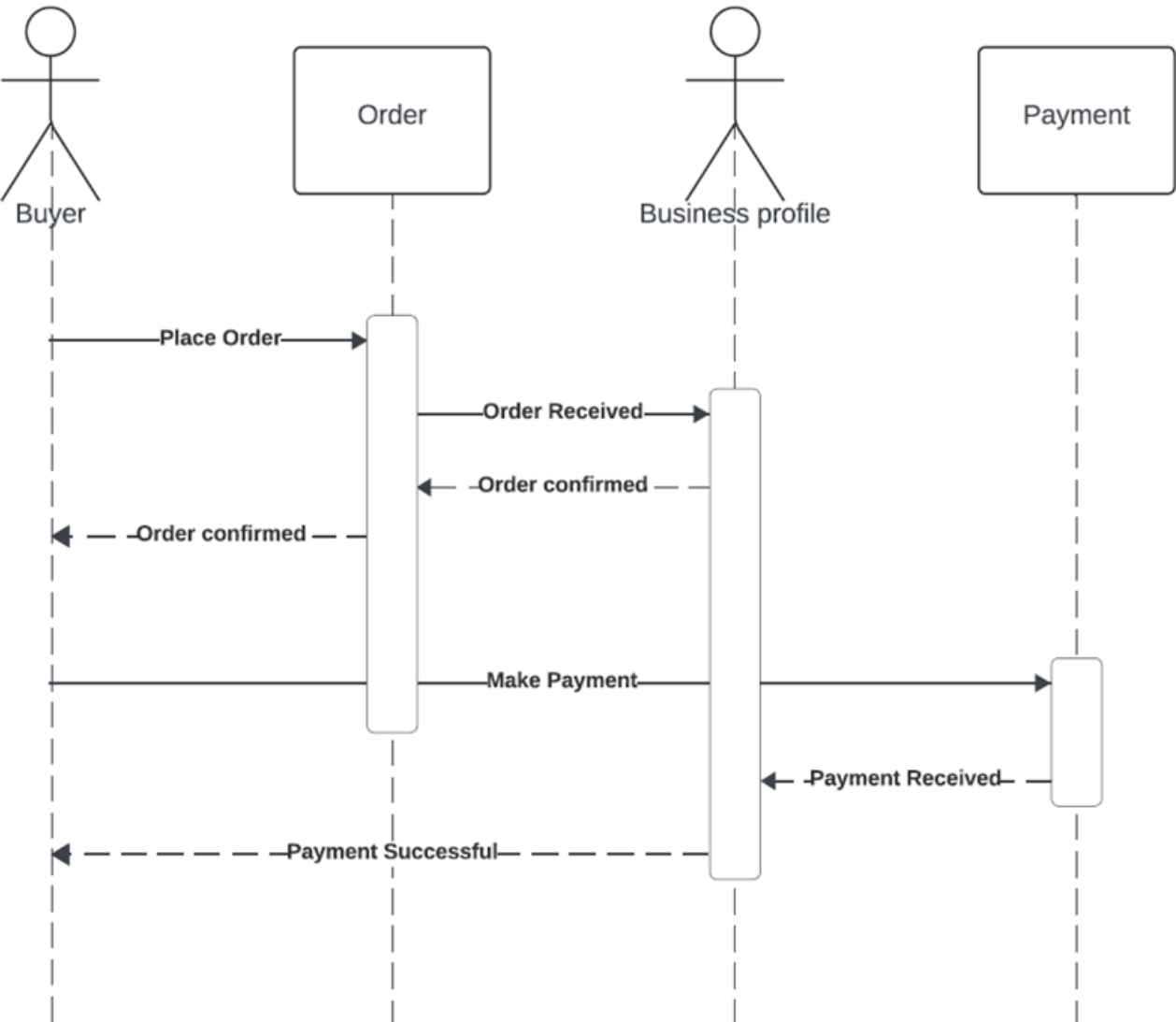


Post:

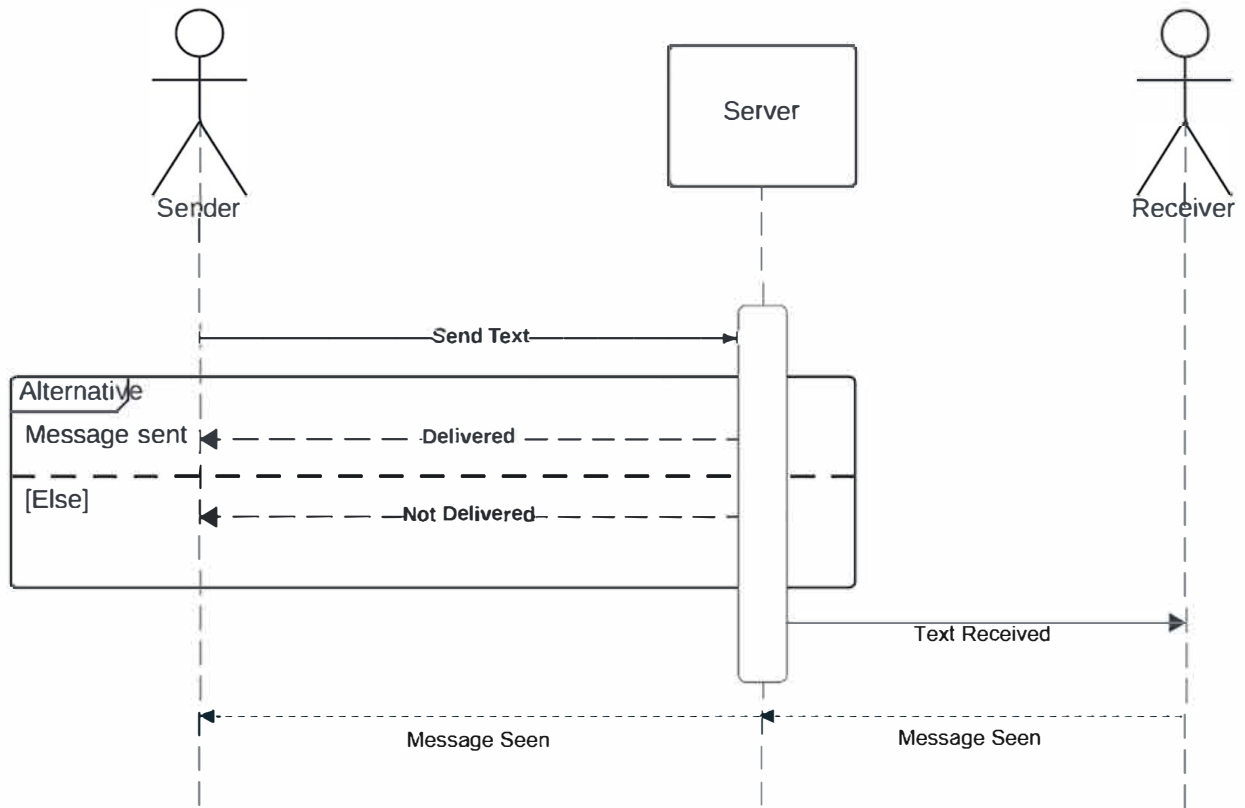




Order management



Chat:



Calls:

