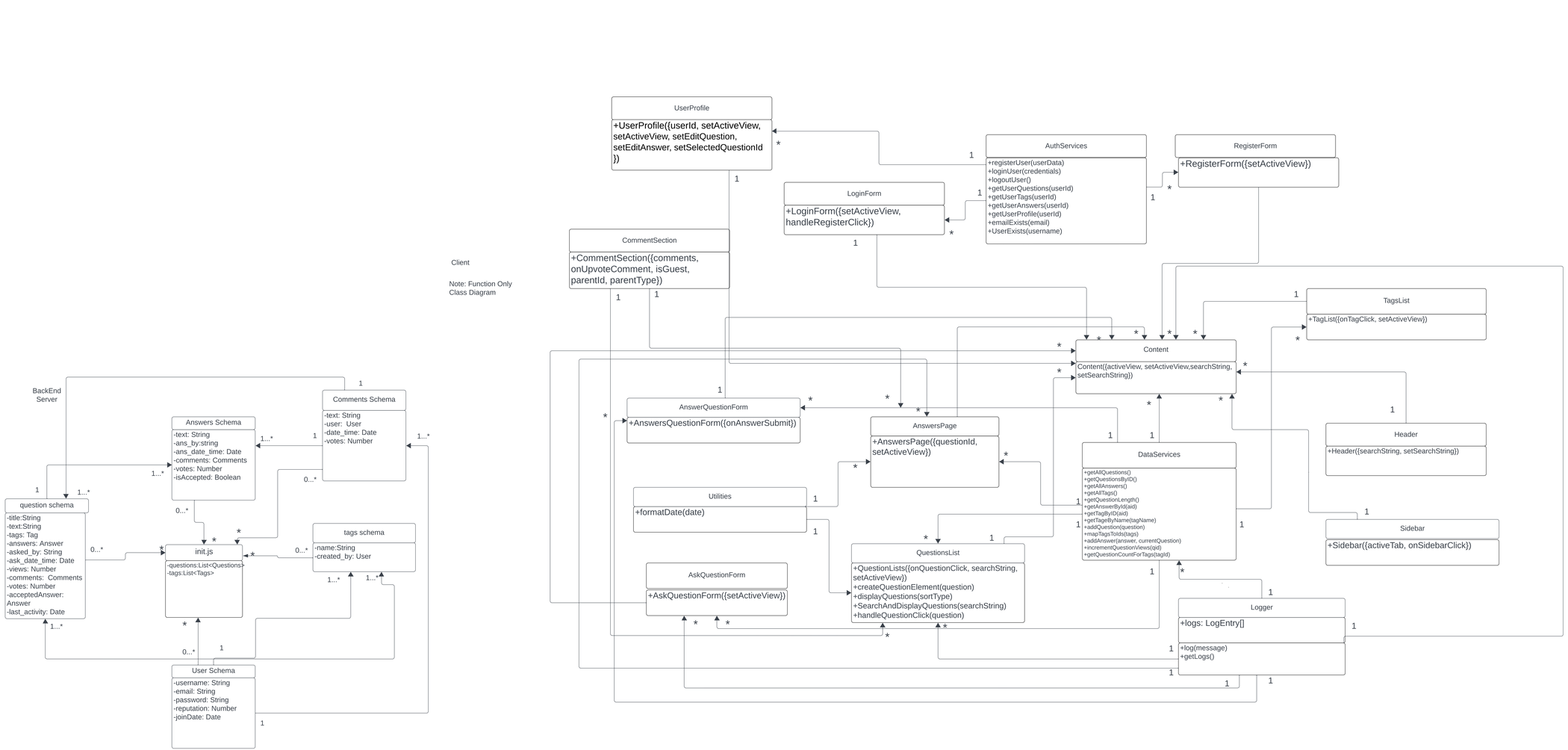
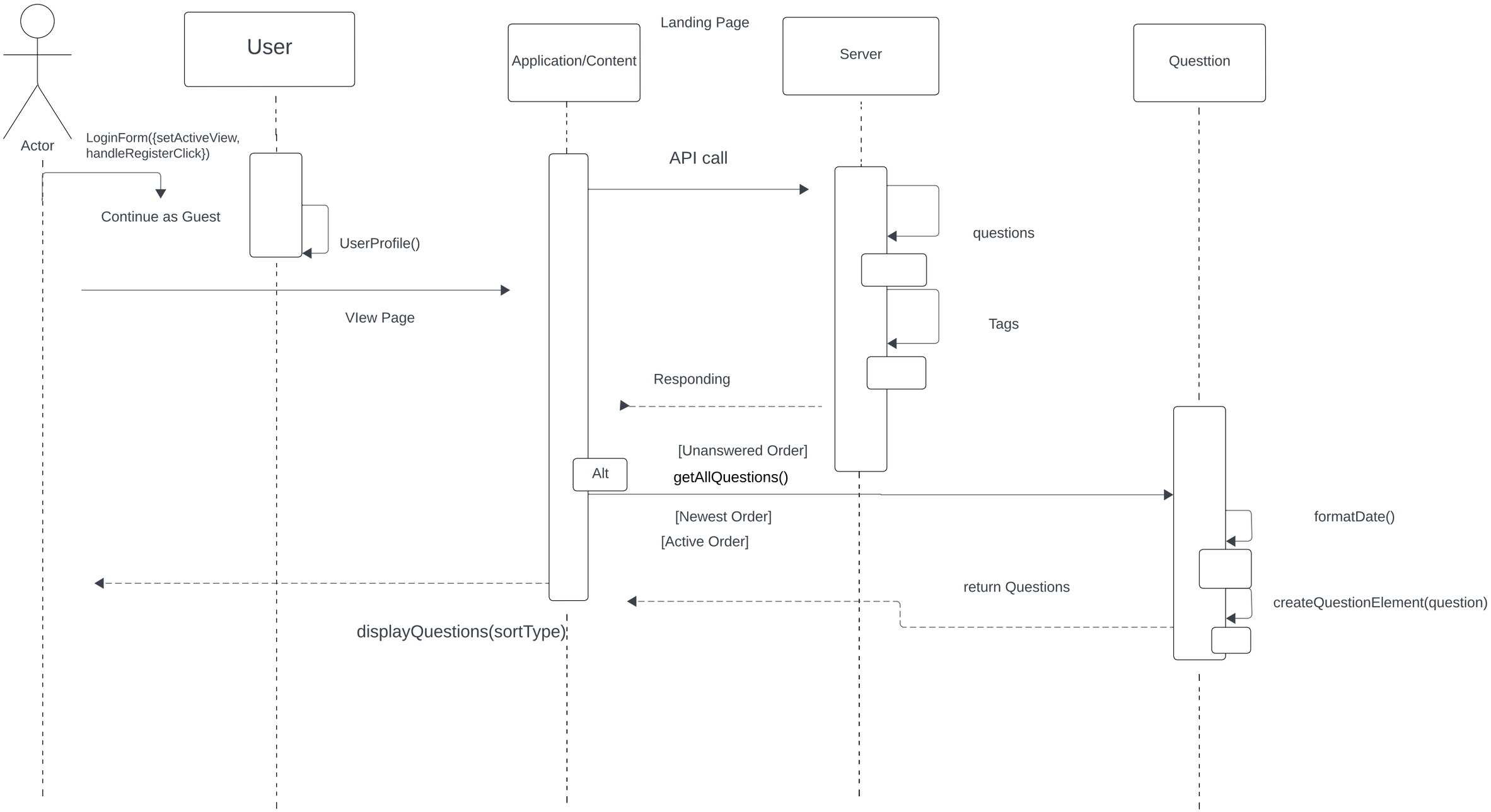

Client
Note: Function Only Class Diagram
UserProfile
+UserProfile({userId, setActiveView, setActiveView, setEditQuestion, setEditAnswer, setSelectedQuestionId })
AuthServices
+registerUser(userData)
+loginUser(credentials)
+logoutUser()
+getUserQuestions(userId)
+getUserTags(userId)
+getUserAnswers(userId)
+getUserProfile(userId)
+emailExists(email)
+UserExists(username)
RegisterForm
+RegisterForm({setActiveView})
LoginForm
+LoginForm({setActiveView, handleRegisterClick})
CommentSection
+CommentSection({comments, onUpvoteComment, isGuest, parentId, parentType})
TagsList
+TagList({onTagClick, setActiveView})
Content
Content({activeView, setActiveView,searchString, setSearchString})
AnswerQuestionForm
+AnswersQuestionForm({onAnswerSubmit})
AnswersPage
+AnswersPage({questionId, setActiveView})
Header
+Header({searchString, setSearchString})
DataServices
+getAllQuestions()
+getQuestionsByID()
+getAllAnswers()
+getAllTags()
+getQuestionLength()
+getAnswerById(aid)
+getTagByID(aid)
+getTageByName(tagName)
+addQuestion(question)
+mapTagsToIds(tags)
+addAnswer(answer, currentQuestion)
+incrementQuestionViews(qid)
+getQuestionCountForTags(tagId)
Utilities
+formatDate(date)
Sidebar
+Sidebar({activeTab, onSidebarClick})
QuestionsList
+QuestionLists({onQuestionClick, searchString, setActiveView})
+createQuestionElement(question)
+displayQuestions(sortType)
+SearchAndDisplayQuestions(searchString)
+handleQuestionClick(question)
AskQuestionForm
+AskQuestionForm({setActiveView})
Logger
+logs: LogEntry[]
+log(message)
+getLogs()
BackEnd Server
Comments Schema
-text: String
-user: User
-date_time: Date
-votes: Number
Answers Schema
-text: String
-ans_by:string
-ans_date_time: Date
-comments: Comments
-votes: Number
-isAccepted: Boolean
question schema
-title:String
-text:String
-tags: Tag
-answers: Answer
-asked_by: String
-ask_date_time: Date
-views: Number
-comments: Comments
-votes: Number
-acceptedAnswer: Answer
-last_activity: Date
init.js
-questions:List<Questions>
-tags:List<Tags>
tags schema
-name:String
-created_by: User
User Schema
-username: String
-email: String
-password: String
-reputation: Number
-joinDate: Date

User And Guest view the Same Landng Page Only difference is User Logs in and has profile



Add Questions
Only USER

Actor

User

Application/Content

Server

Question

Tags

LoginForm({setActiveView, handleRegisterClick})

UserProfile()

AskQuestionForm()

API call

questions

tags

AskQuestionForm()

MapTagsToIds(tags)

getTagById(id)

getQuestionCountForTag(tagID)

incrementQuestionaViews(qid)

formatDate()

createQuestionElement(question)

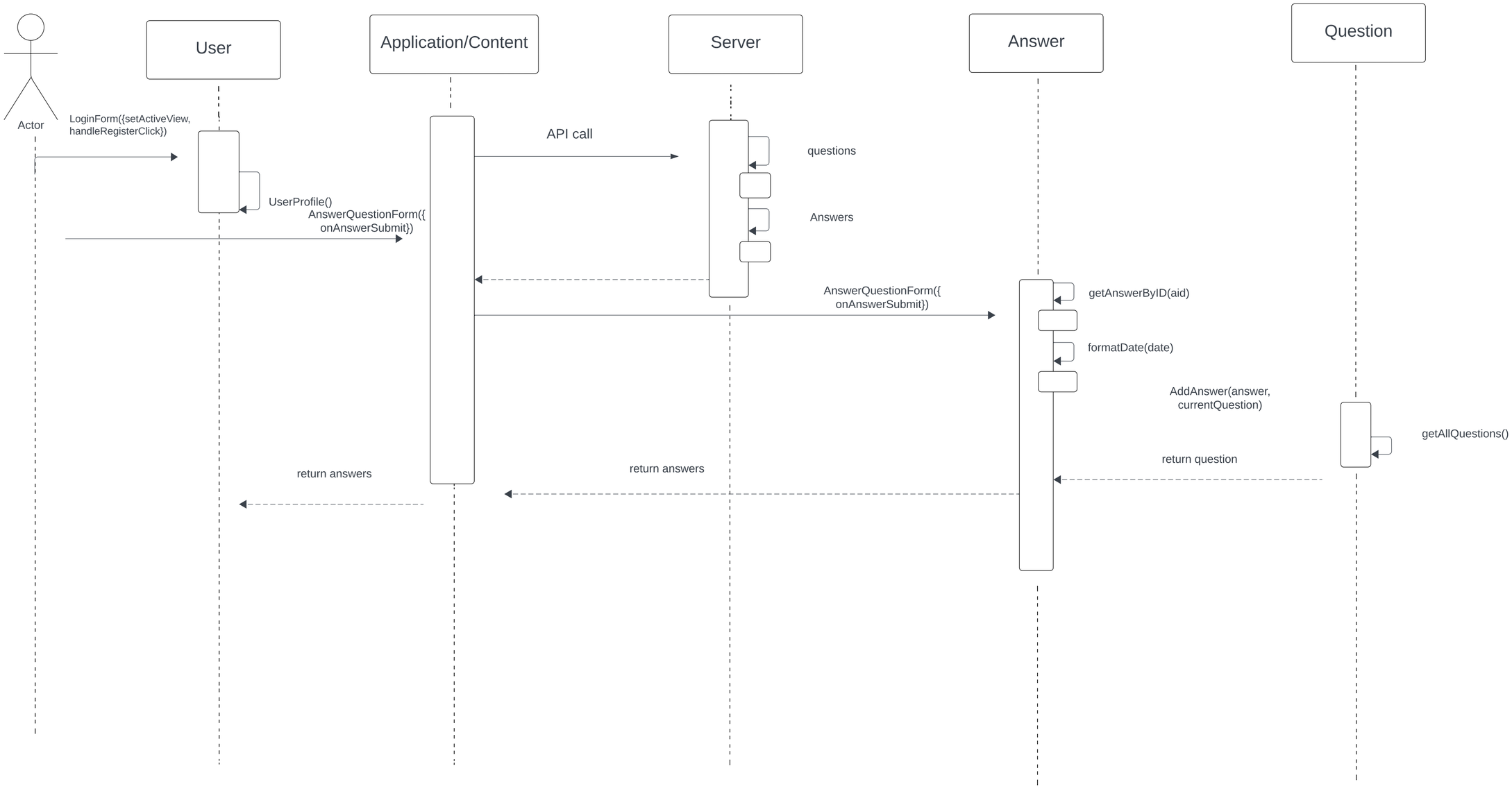
handleQuestionClick(question)

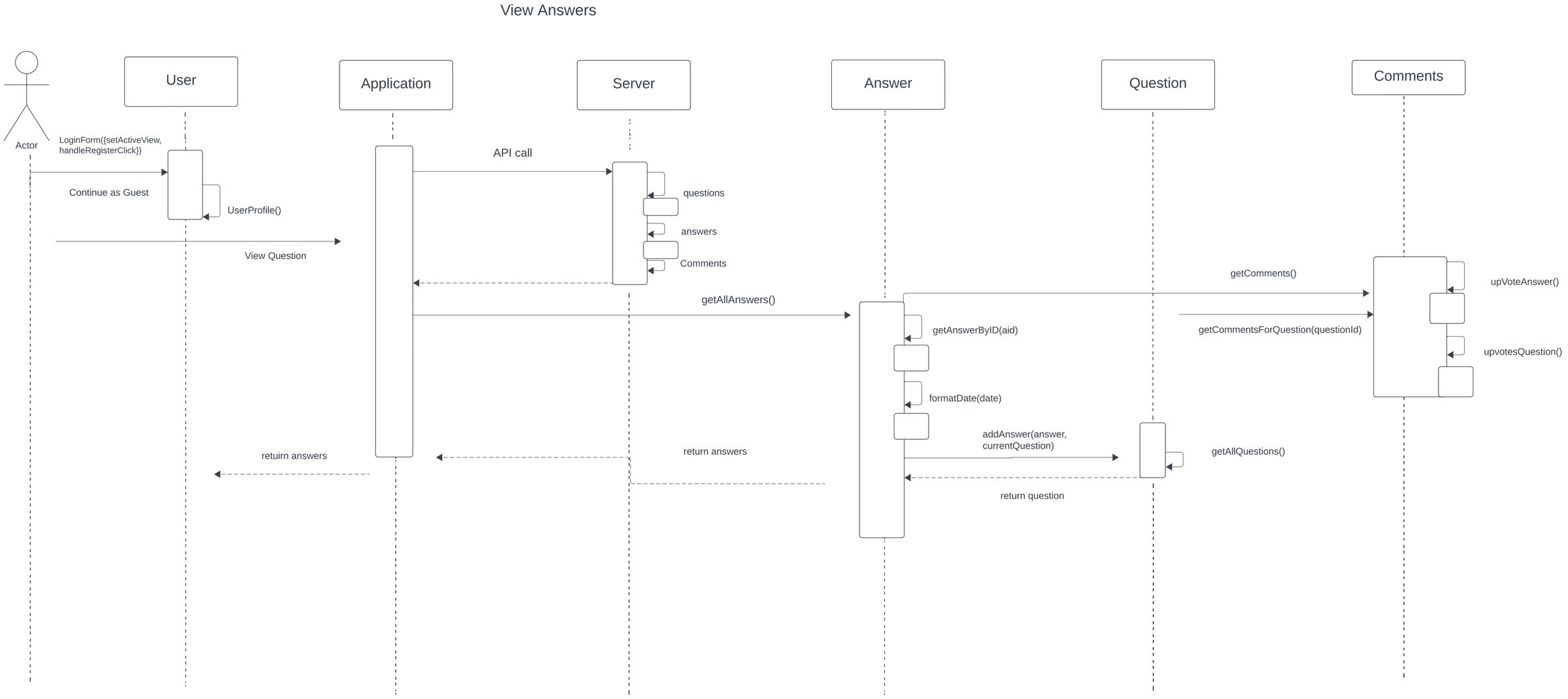
AddQuestion(question)

displayQuestion(sortType)

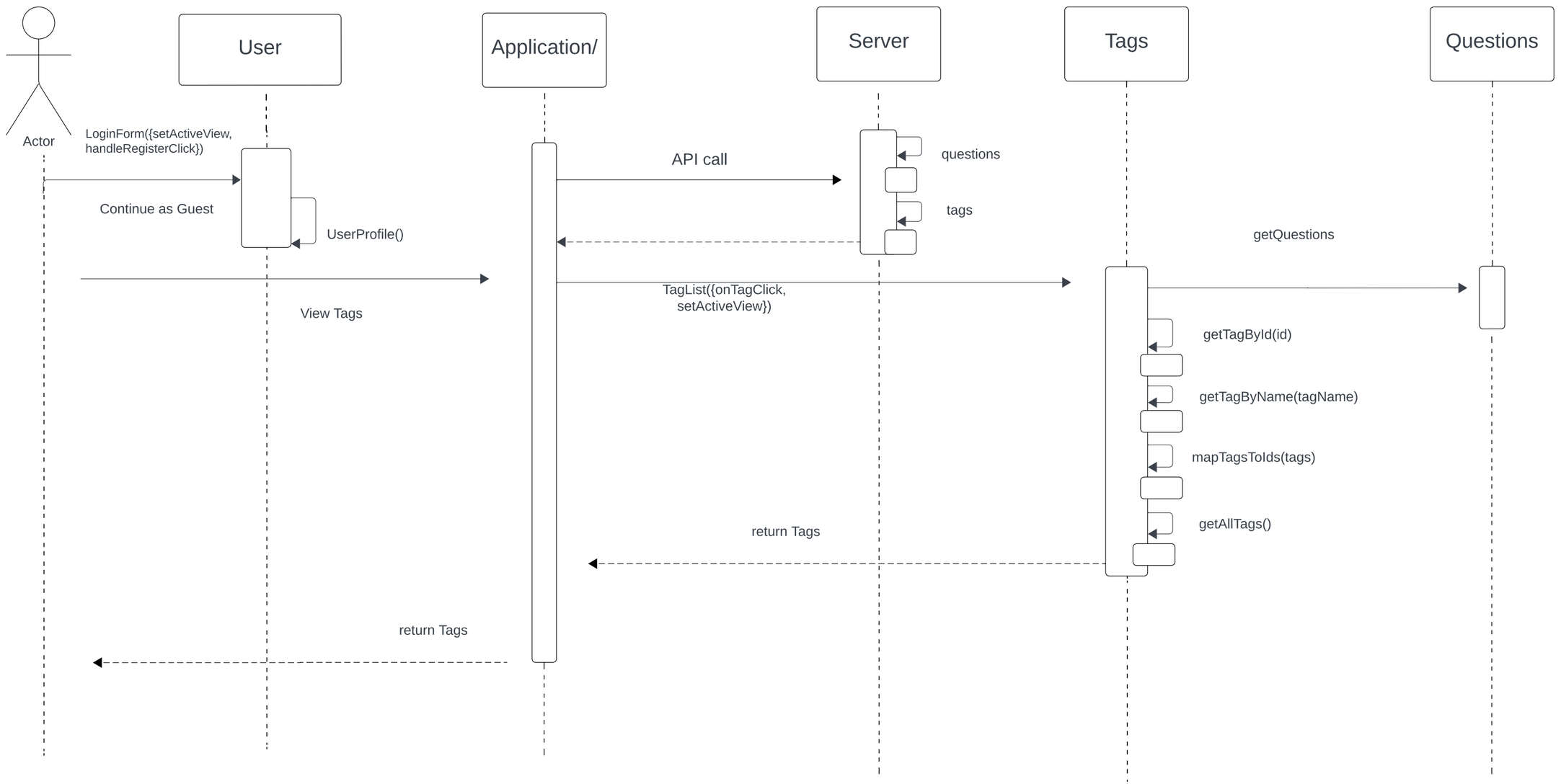
Quesiton Added

Add Answer Only USER

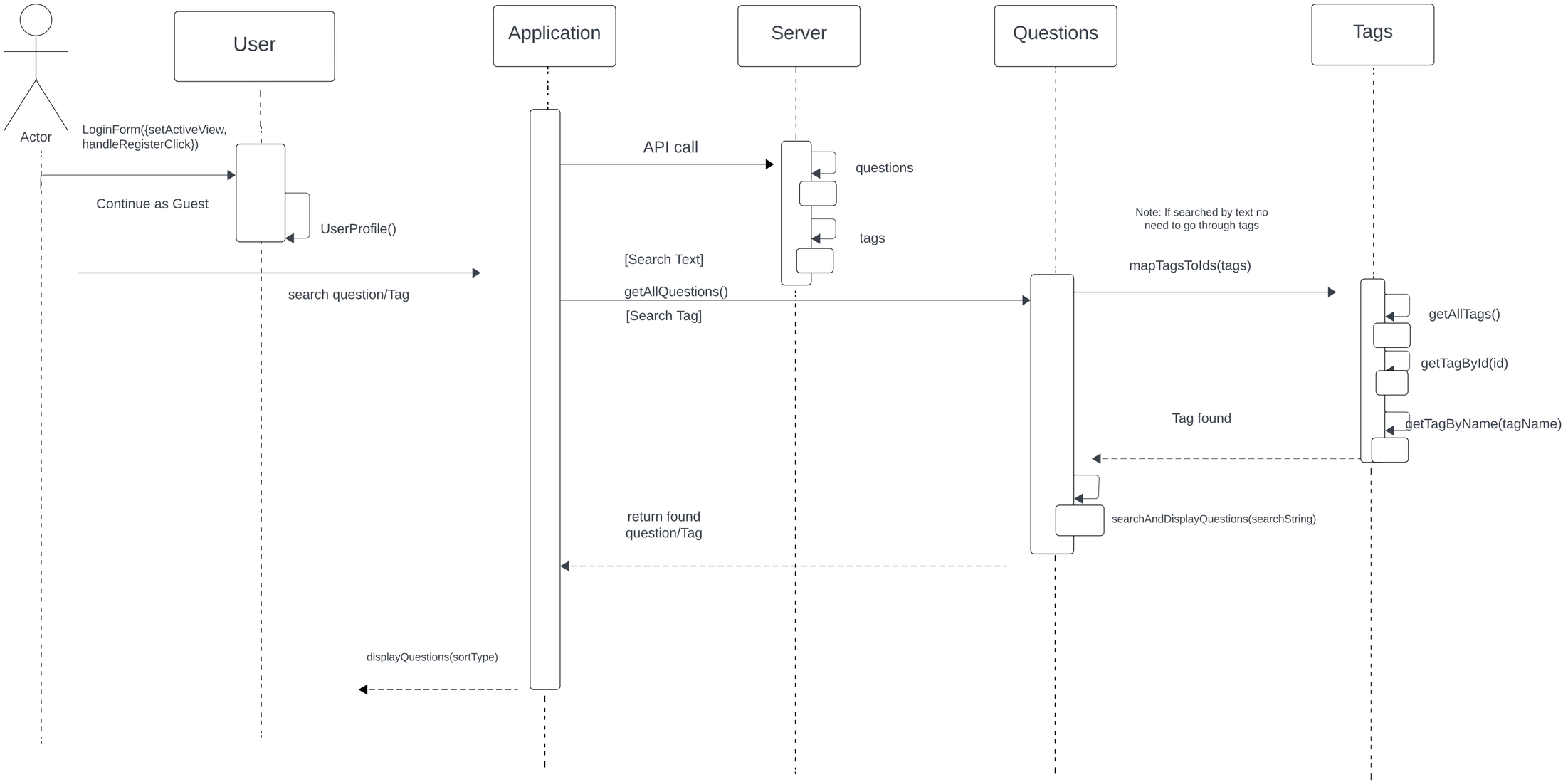



View Answers
User
Application
Server
Answer
Question
Comments
Actor
LoginForm({setActiveView, handleRegisterClick})
Continue as Guest
UserProfile()
View Question
API call
questions
answers
Comments
getAllAnswers()
getAnswerByID(aid)
formatDate(date)
addAnswer(answer, currentQuestion)
return question
getAllQuestions()
return answers
retuirn answers
getComments()
getCommentsForQuestion(questionId)
upVoteAnswer()
upvotesQuestion()

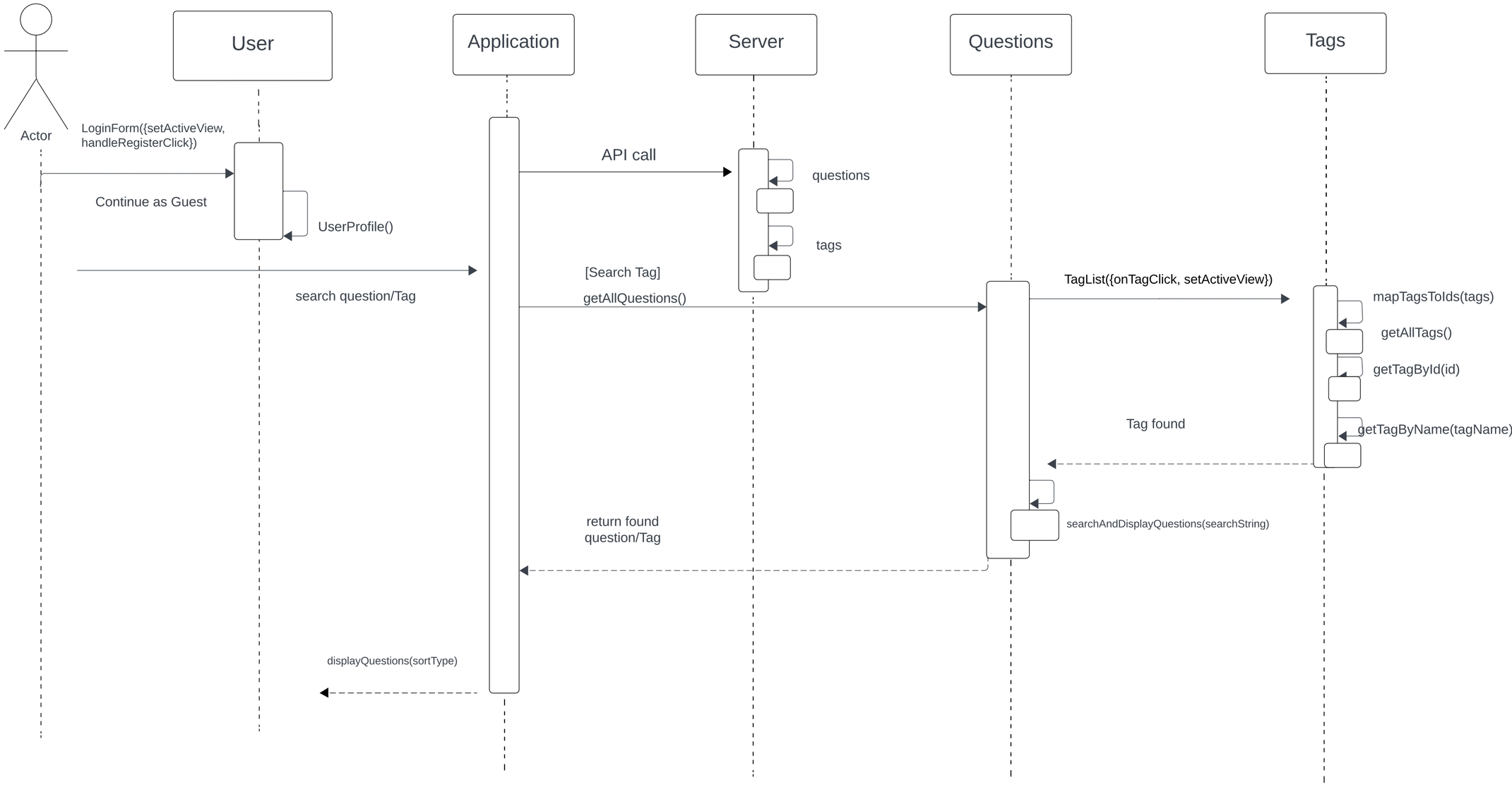
View Tags


User
Application/
Server
Tags
Questions
Actor
LoginForm({setActiveView, handleRegisterClick})
Continue as Guest
UserProfile()
View Tags
API call
questions
tags
TagList({onTagClick, setActiveView})
getQuestions
getTagById(id)
getTagByName(tagName)
mapTagsToIds(tags)
getAllTags()
return Tags
return Tags

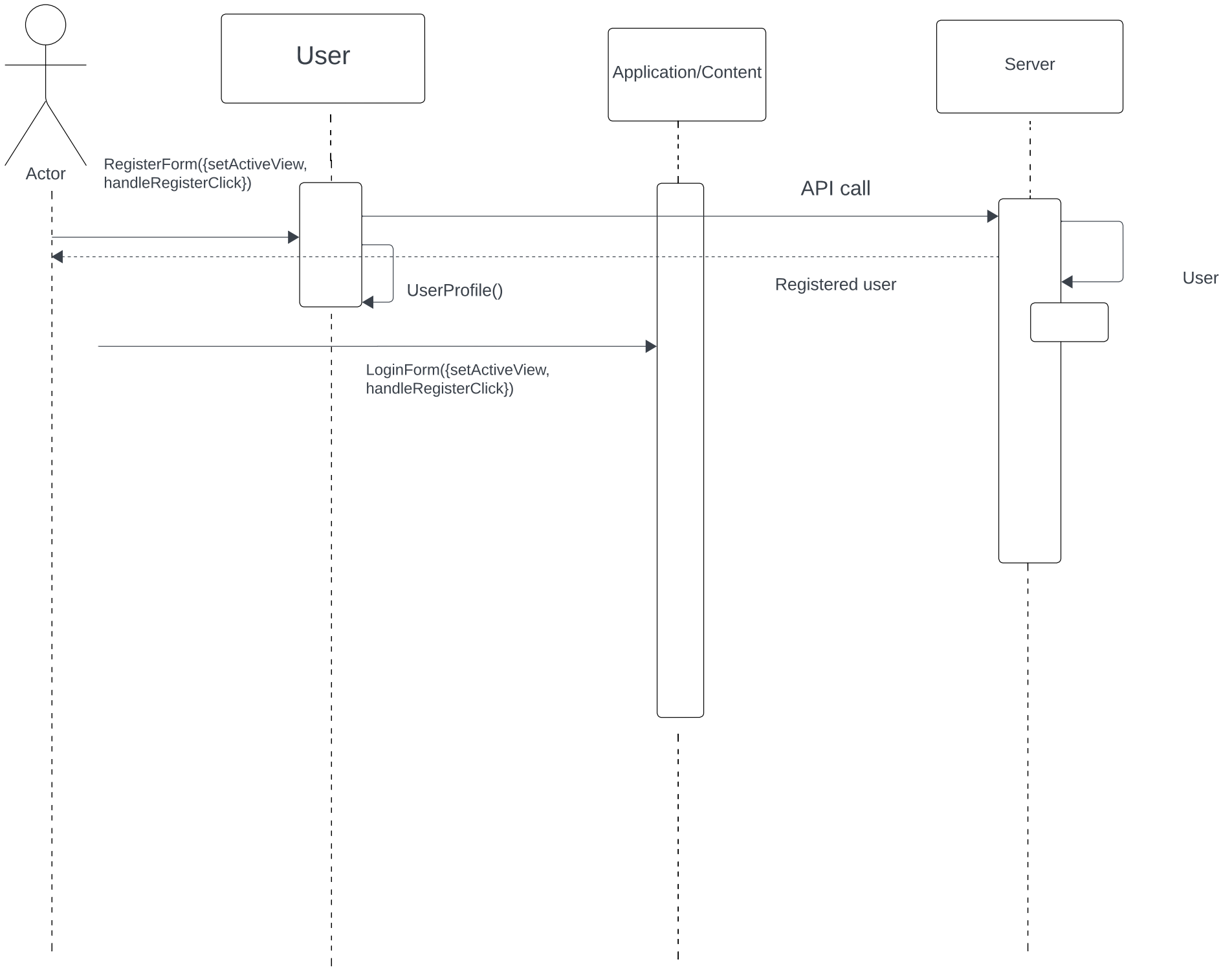
Search Quesiton/Tag



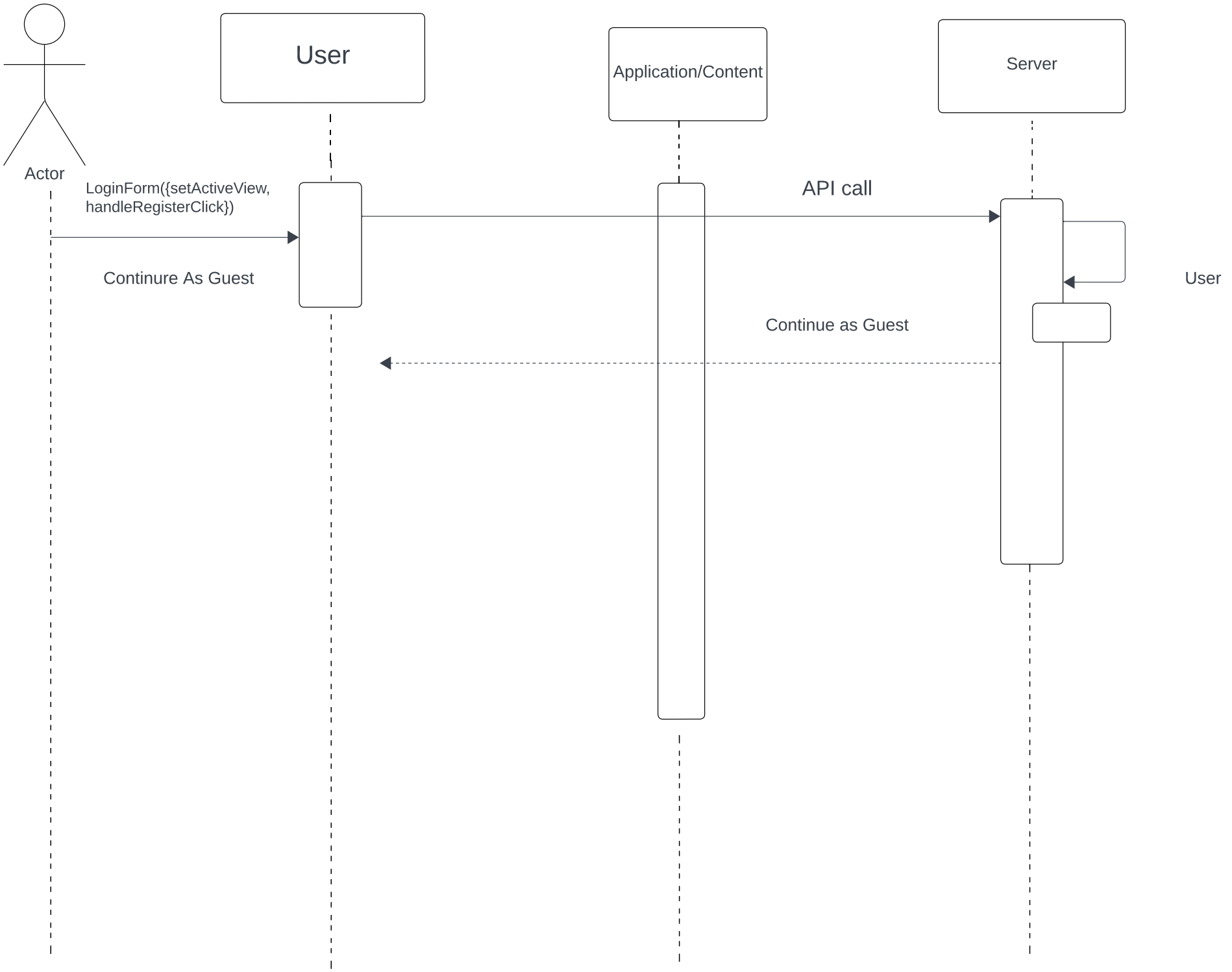
Get All Questions By Tag



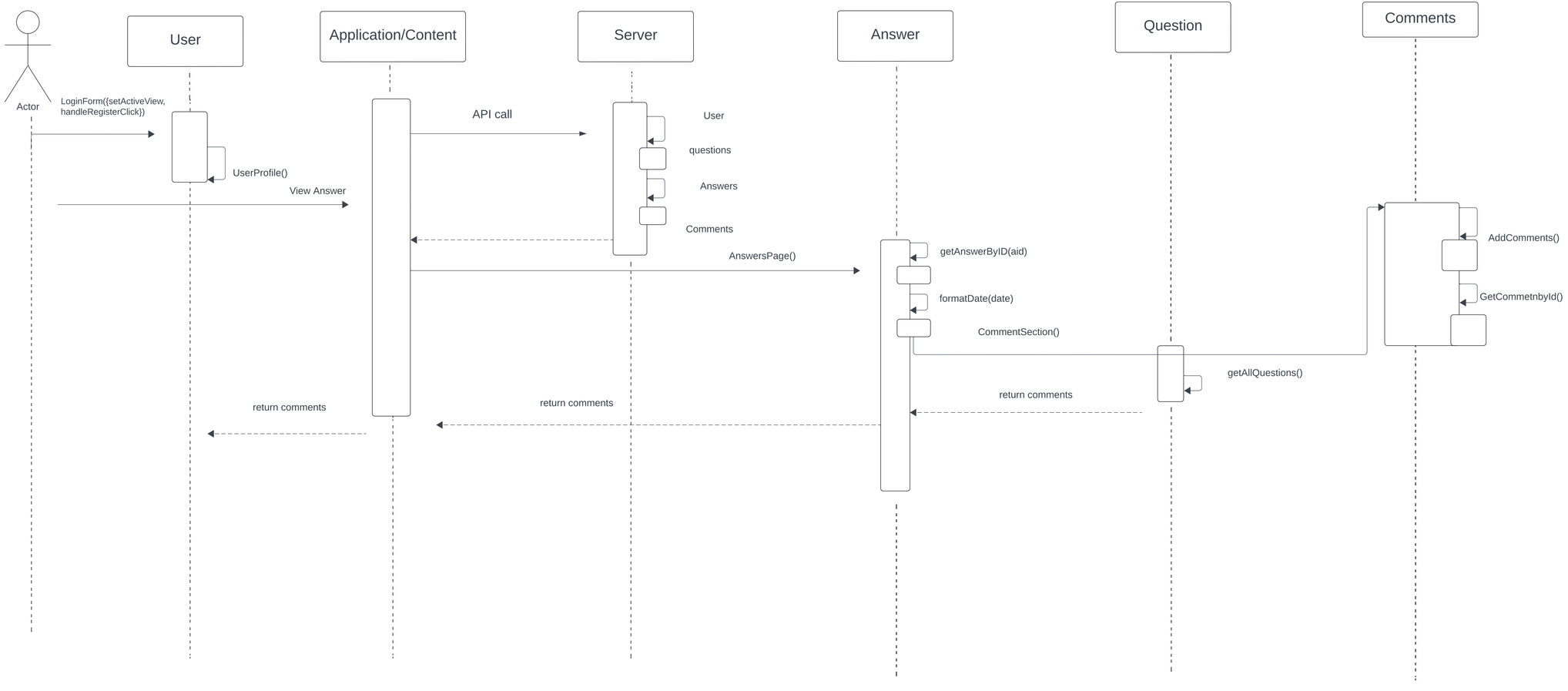
Register User / Login



Guest


Actor
User
Application/Content
Server
LoginForm({setActiveView, handleRegisterClick})
API call
Continure As Guest
User
Continue as Guest

Add Comments to Answer Only USER



Add Comments
to Question

Actor

User

Application/Content

Server

Question

Tags

Comments

LoginForm({setActiveView,
handleRegisterClick})

UserProfile()

view Question

API call

questions

tags

View Question

incrementQuestionaViews(qid)

formatDate()

createQuestionElement(question)

handleQuestionClick(question)

AddQuestion(question)

return Comments

return Comments

CommentsSection()

MapTagsToIds(tags)

getTagById(id)

getQuestionCountForTag(tagID)

AddComments()

GetCommetnbyId()