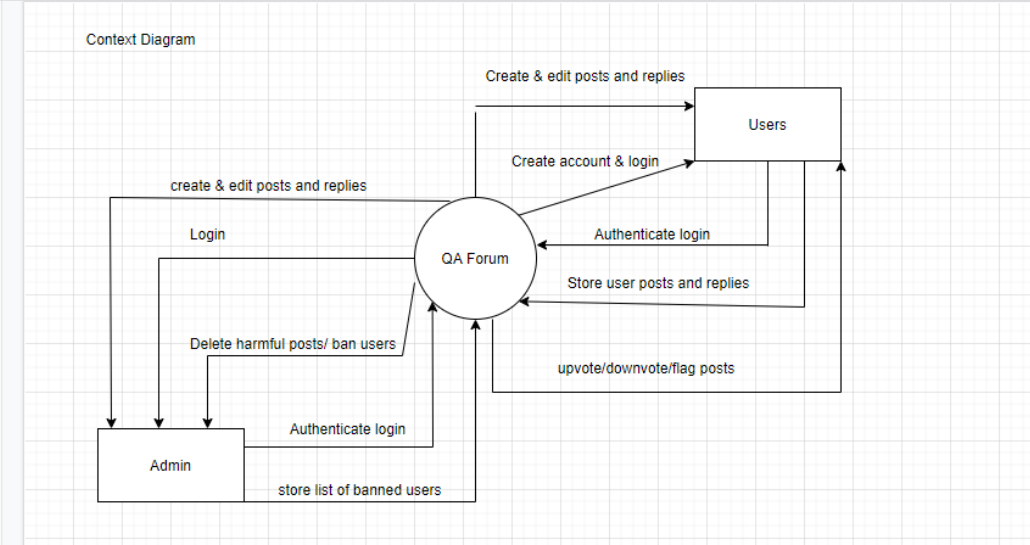
Project Milestone Sprint 3 : DFD

Team 22
10/29/2021

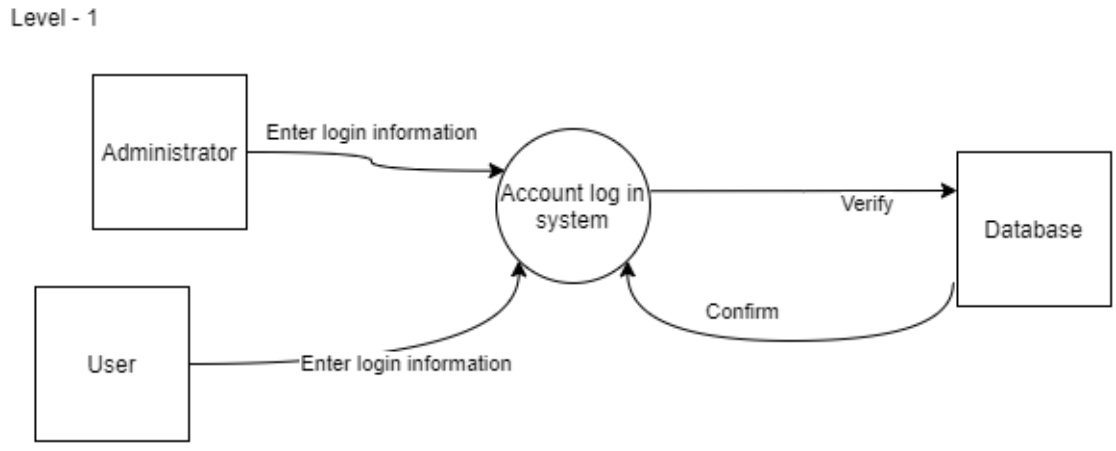
Data Flow Diagram

Create a context diagram and level 1 diagram showing the flow of information and processes of the system.

Context Diagram:



Level 1 Diagram: Login process



Models and Associations

Define the models you will need in your application. Be sure to include all model attributes and model attribute data types.

User Account
Administrator Account
Database
Questions
Comments

Decide which associations between the models are appropriate using the Basic Relationship Pattern

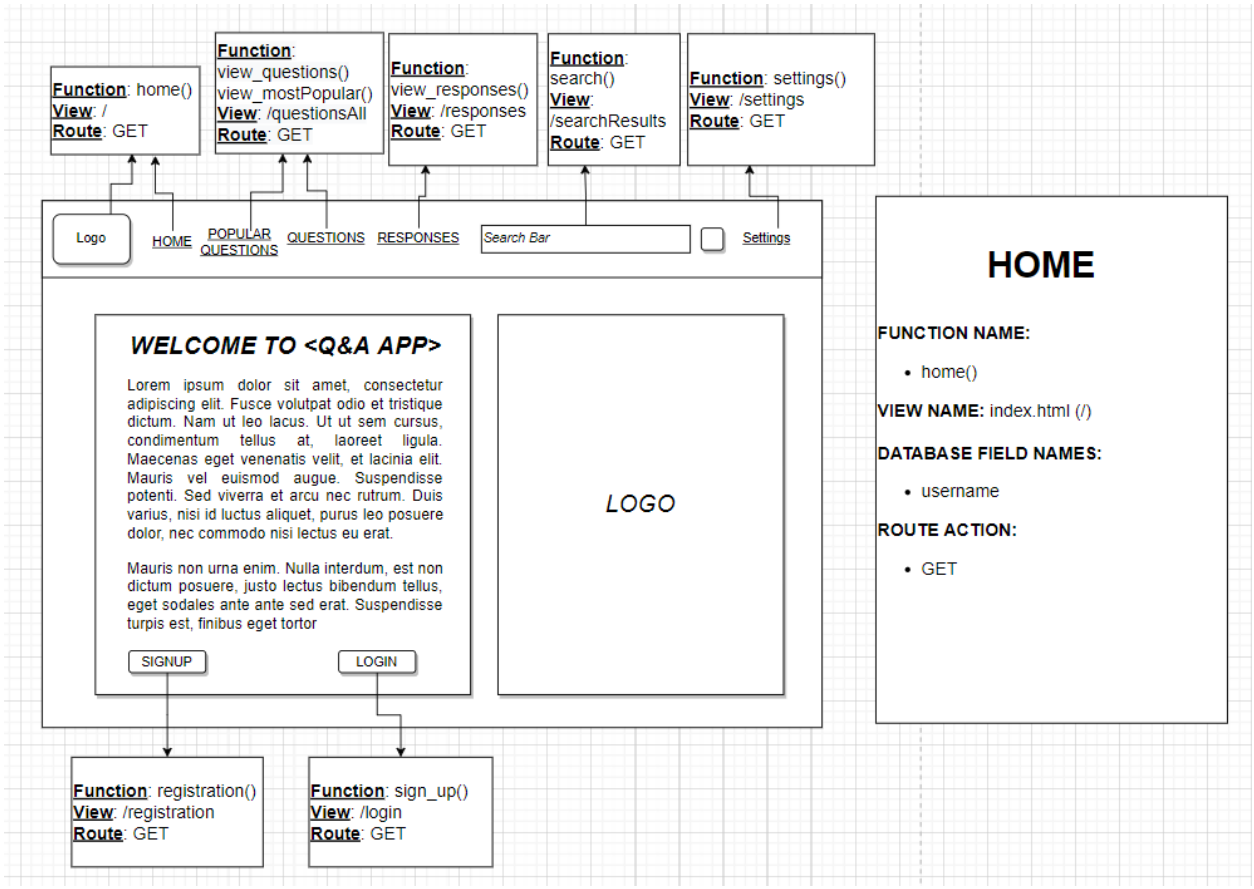
One user account can post/view many questions

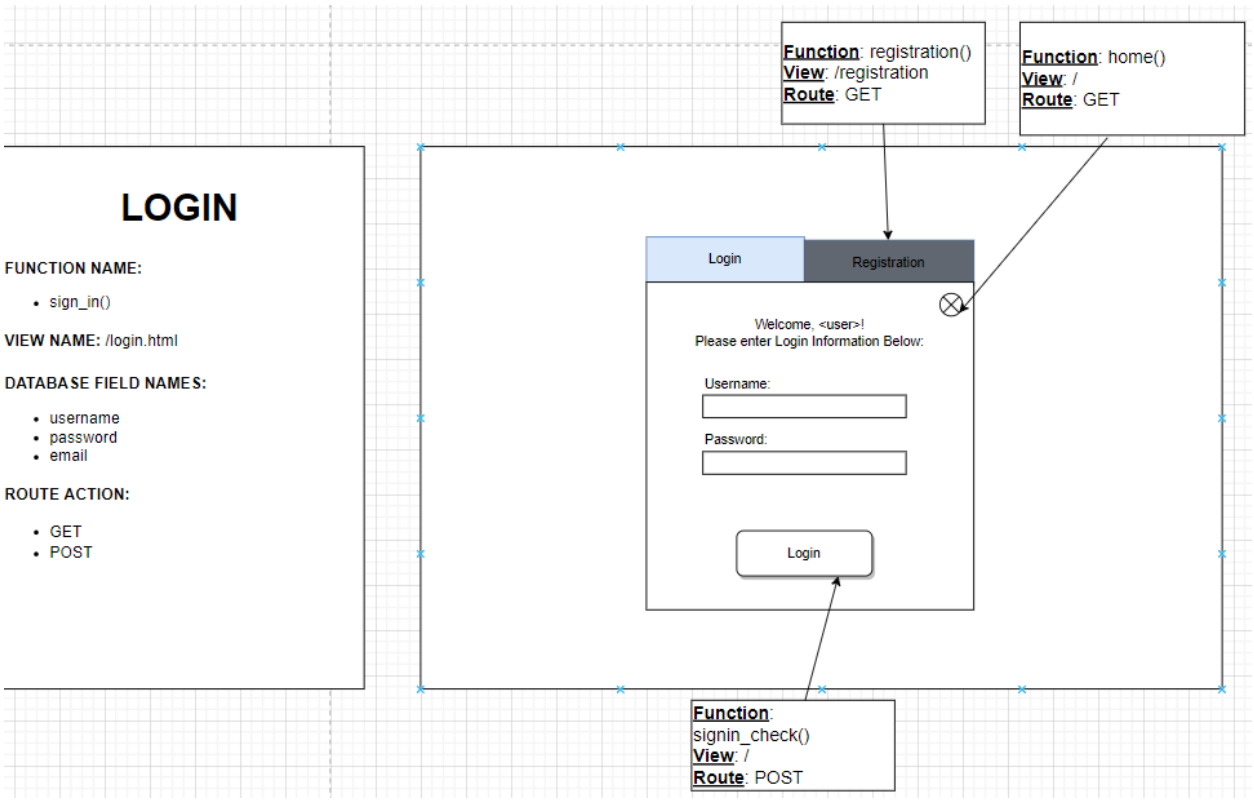
One administrator account can post/view many questions

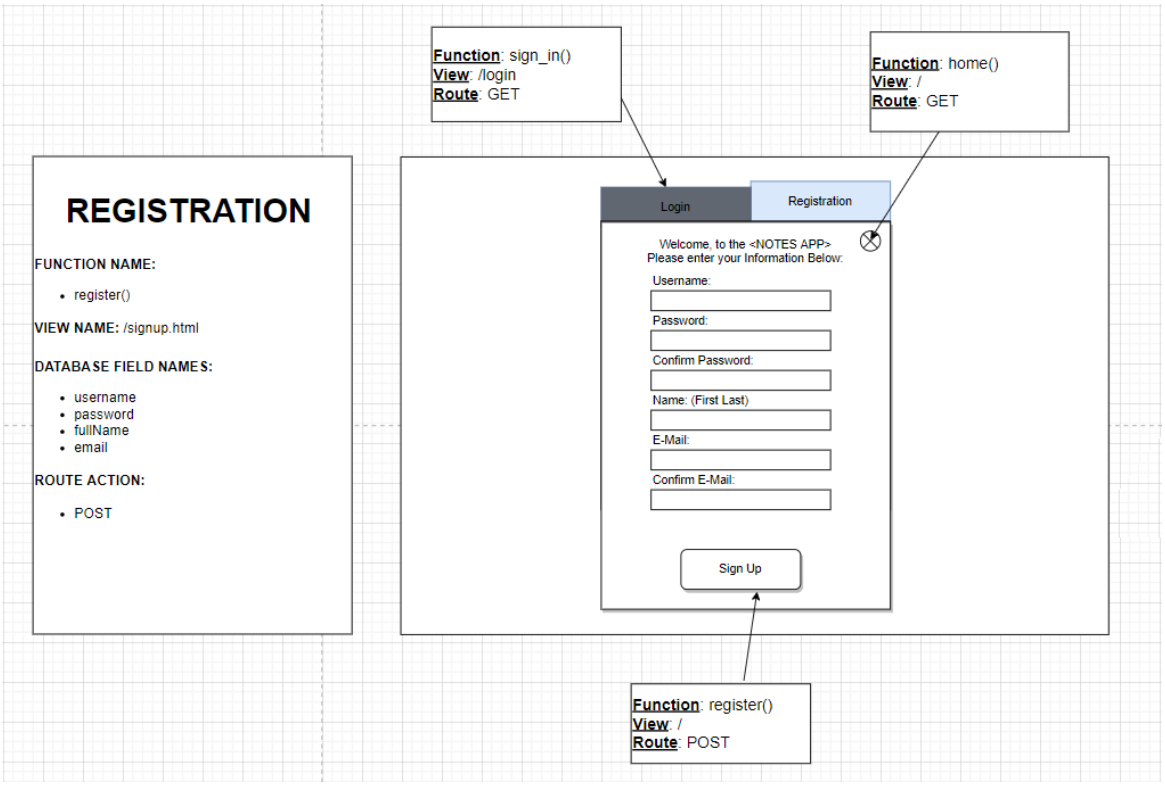
One user account can edit one question

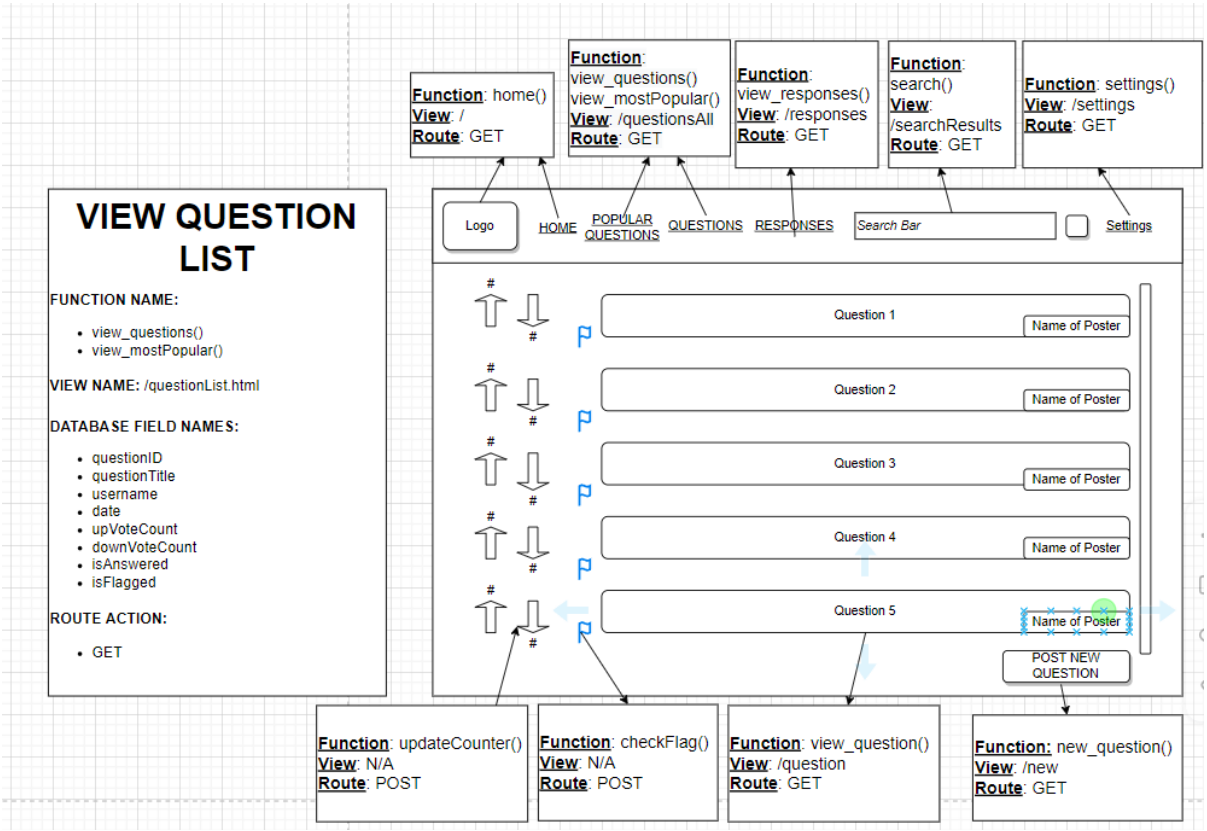
One question has many comments

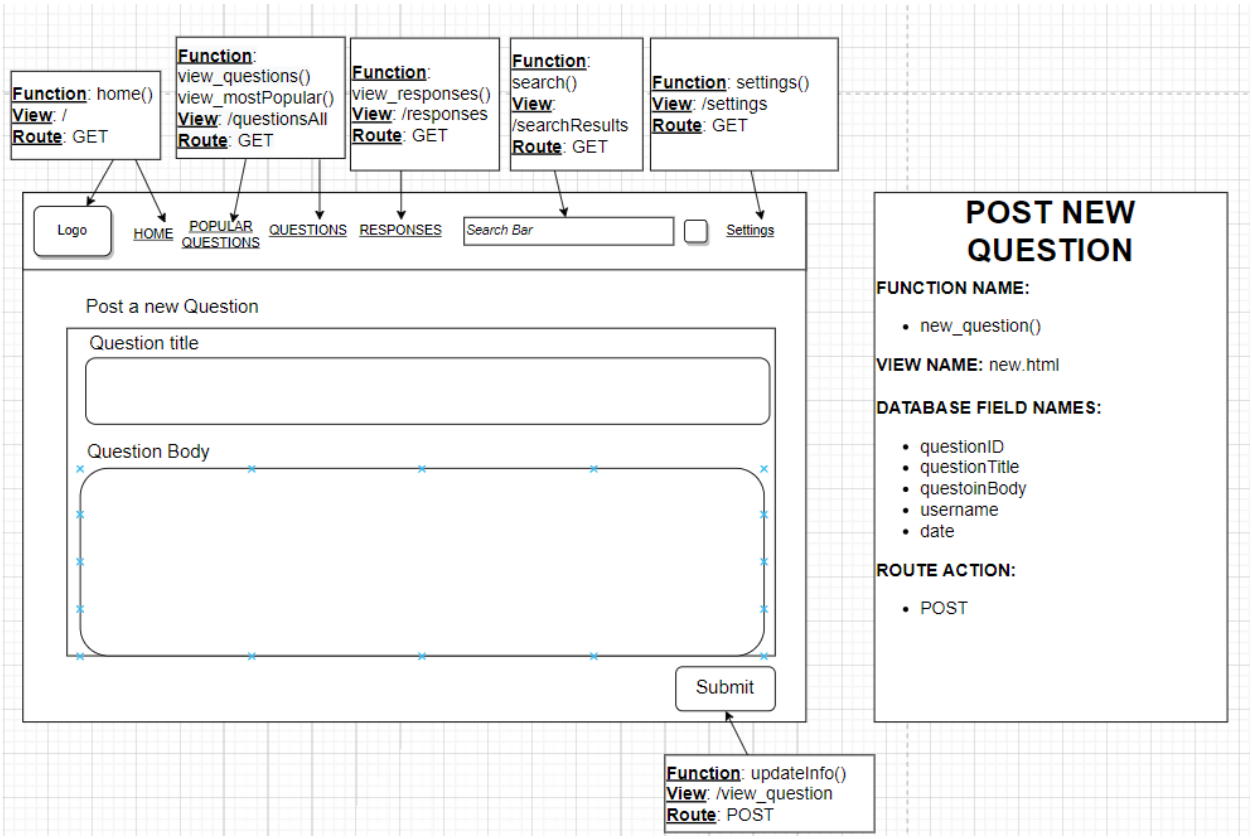
Update Lo-Fi UI prototypes

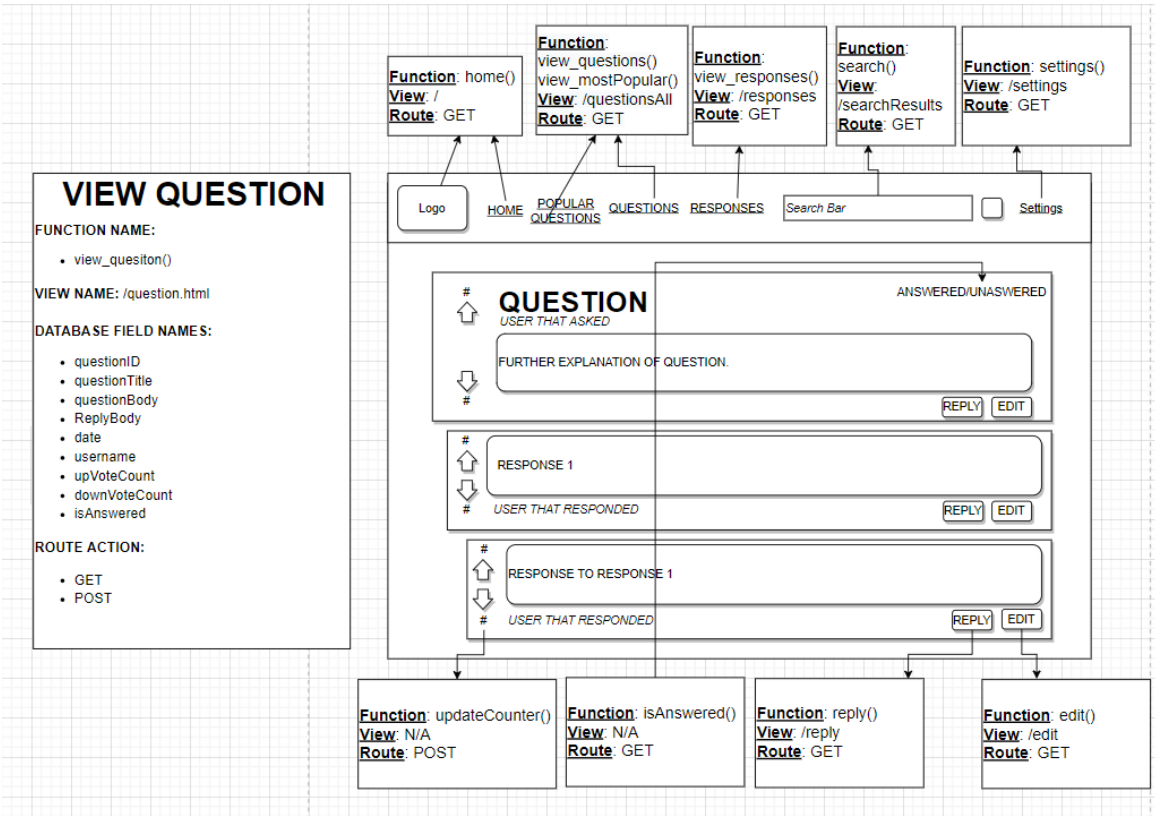

Function: home()
View: /
Route: GET
Function: view_questions() view_mostPopular()
View: /questionsAll
Route: GET
Function: view_responses()
View: /responses
Route: GET
Function: search()
View: /searchResults
Route: GET
Function: settings()
View: /settings
Route: GET
Logo
HOME
POPULAR QUESTIONS
QUESTIONS
RESPONSES
Search Bar
Settings
WELCOME TO <Q&A APP>
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce volutpat odio et tristique dictum. Nam ut leo lacus. Ut ut sem cursus, condimentum tellus at, laoreet ligula. Maecenas eget venenatis velit, et lacinia elit. Mauris vel euismod augue. Suspendisse potenti. Sed viverra et arcu nec rutrum. Duis varius, nisi id luctus aliquet, purus leo posuere dolor, nec commodo nisi lectus eu erat.
Mauris non urna enim. Nulla interdum, est non dictum posuere, justo lectus bibendum tellus, eget sodales ante ante sed erat. Suspendisse turpis est, finibus eget tortor
SIGNUP
LOGIN
LOGO
HOME
FUNCTION NAME:
home()
VIEW NAME: index.html (/)
DATABASE FIELD NAMES:
username
ROUTE ACTION:
GET
Function: registration()
View: /registration
Route: GET
Function: sign_up()
View: /login
Route: GET

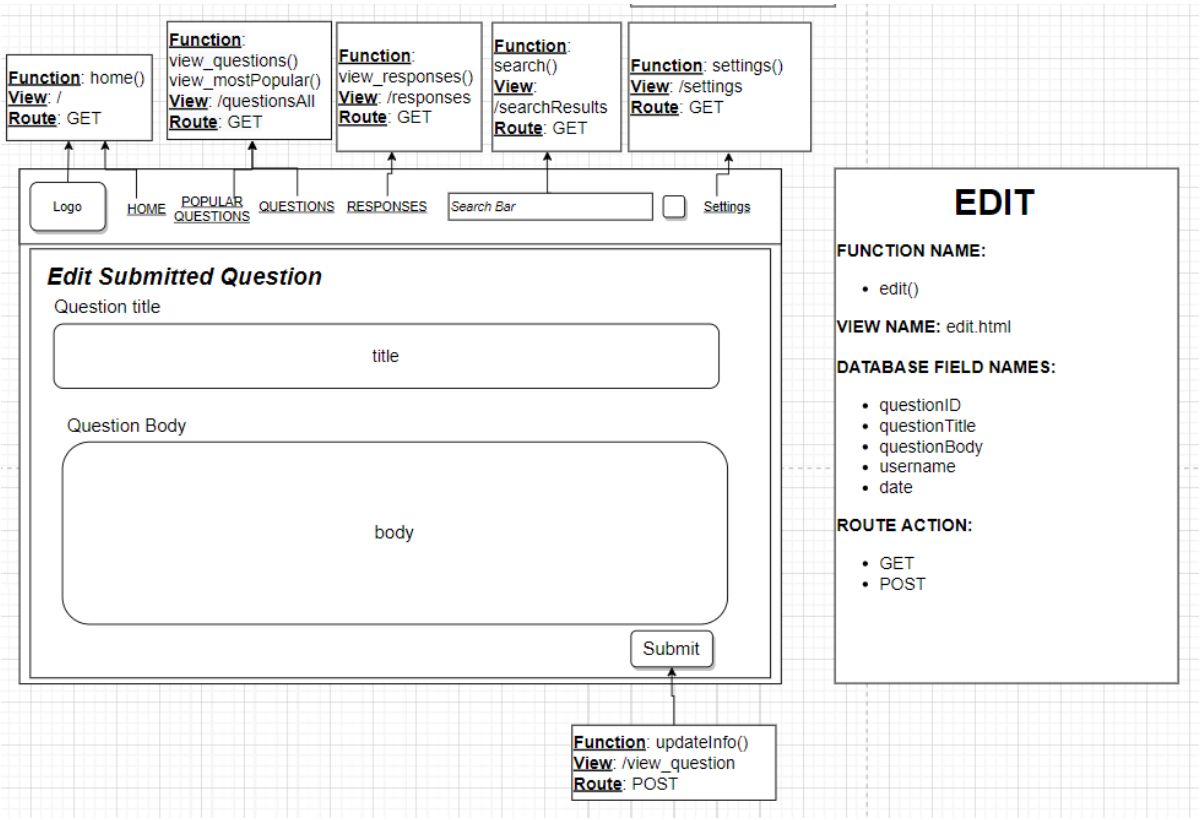

Function: registration()
View: /registration
Route: GET
Function: home()
View: /
Route: GET
LOGIN
FUNCTION NAME:
sign_in()
VIEW NAME: /login.html
DATABASE FIELD NAMES:
username
password
email
ROUTE ACTION:
GET
POST
Login
Registration
Welcome, <user>!
Please enter Login Information Below:
Username:
Password:
Login
Function: signin_check()
View: /
Route: POST


Function: sign_in()
View: /login
Route: GET
Function: home()
View: /
Route: GET
REGISTRATION
FUNCTION NAME:
register()
VIEW NAME: /signup.html
DATABASE FIELD NAMES:
username
password
fullName
email
ROUTE ACTION:
POST
Login
Registration
Welcome, to the <NOTES APP>
Please enter your Information Below:
Username:
Password:
Confirm Password:
Name: (First Last)
E-Mail:
Confirm E-Mail:
Sign Up
Function: register()
View: /
Route: POST


Function: home()
View: /
Route: GET
Function: view_questions()
view_mostPopular()
View: /questionsAll
Route: GET
Function: view_responses()
View: /responses
Route: GET
Function: search()
View: /searchResults
Route: GET
Function: settings()
View: /settings
Route: GET
VIEW QUESTION LIST
FUNCTION NAME:
view_questions()
view_mostPopular()
VIEW NAME: /questionList.html
DATABASE FIELD NAMES:
questionID
questionTitle
username
date
upVoteCount
downVoteCount
isAnswered
isFlagged
ROUTE ACTION:
GET
Logo
HOME
POPULAR QUESTIONS
QUESTIONS
RESPONSES
Search Bar
Settings
Question 1
Name of Poster
Question 2
Name of Poster
Question 3
Name of Poster
Question 4
Name of Poster
Question 5
Name of Poster
POST NEW QUESTION
Function: updateCounter()
View: N/A
Route: POST
Function: checkFlag()
View: N/A
Route: POST
Function: view_question()
View: /question
Route: GET
Function: new_question()
View: /new
Route: GET


Function: home()
View: /
Route: GET
Function: view_questions() view_mostPopular()
View: /questionsAll
Route: GET
Function: view_responses()
View: /responses
Route: GET
Function: search()
View: /searchResults
Route: GET
Function: settings()
View: /settings
Route: GET
Logo
HOME
POPULAR QUESTIONS
QUESTIONS
RESPONSES
Search Bar
Settings
Post a new Question
Question title
Question Body
Submit
Function: updateInfo()
View: /view_question
Route: POST
POST NEW QUESTION
FUNCTION NAME:
new_question()
VIEW NAME: new.html
DATABASE FIELD NAMES:
questionID
questionTitle
questoinBody
username
date
ROUTE ACTION:
POST


VIEW QUESTION
FUNCTION NAME:
view_quesiton()
VIEW NAME: /question.html
DATABASE FIELD NAMES:
questionID
questionTitle
questionBody
ReplyBody
date
username
upVoteCount
downVoteCount
isAnswered
ROUTE ACTION:
GET
POST
Function: home()
View: /
Route: GET
Function: view_questions() view_mostPopular()
View: /questionsAll
Route: GET
Function: view_responses()
View: /responses
Route: GET
Function: search()
View: /searchResults
Route: GET
Function: settings()
View: /settings
Route: GET
Logo
HOME
POPULAR QUESTIONS
QUESTIONS
RESPONSES
Search Bar
Settings
QUESTION
USER THAT ASKED
ANSWERED/UNASWERED
FURTHER EXPLANATION OF QUESTION.
REPLY
EDIT
RESPONSE 1
USER THAT RESPONDED
REPLY
EDIT
RESPONSE TO RESPONSE 1
USER THAT RESPONDED
REPLY
EDIT
Function: updateCounter()
View: N/A
Route: POST
Function: isAnswered()
View: N/A
Route: GET
Function: reply()
View: /reply
Route: GET
Function: edit()
View: /edit
Route: GET



EDIT

FUNCTION NAME:

- edit()

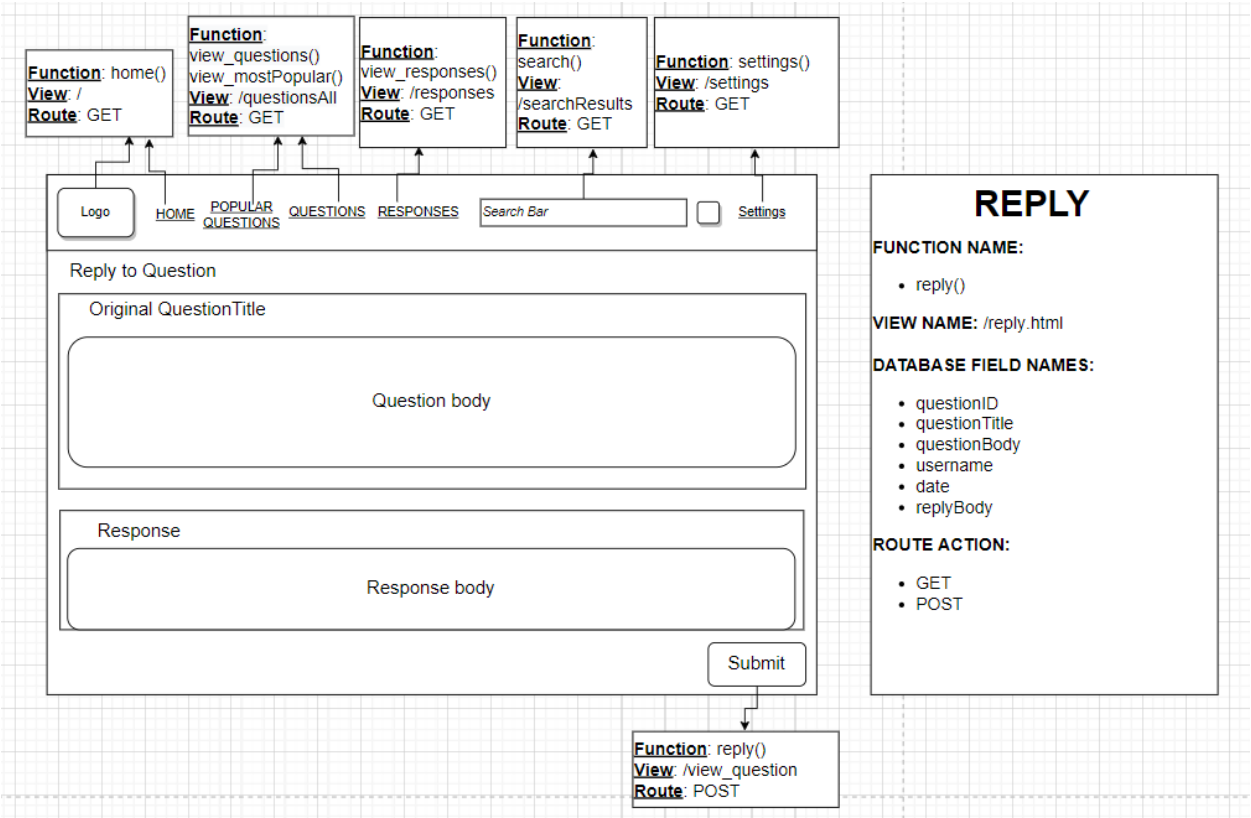
VIEW NAME: edit.html

DATABASE FIELD NAMES:

- questionID
- questionTitle
- questionBody
- username
- date

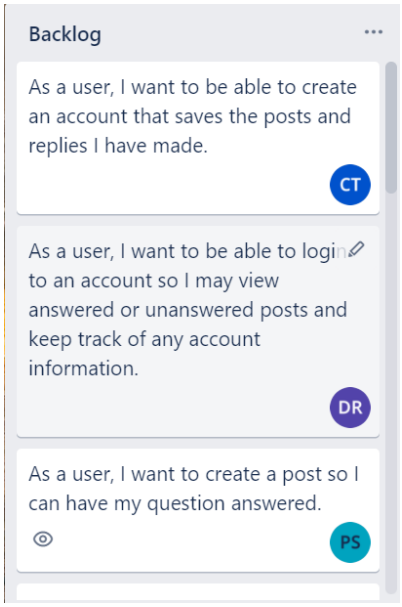
ROUTE ACTION:

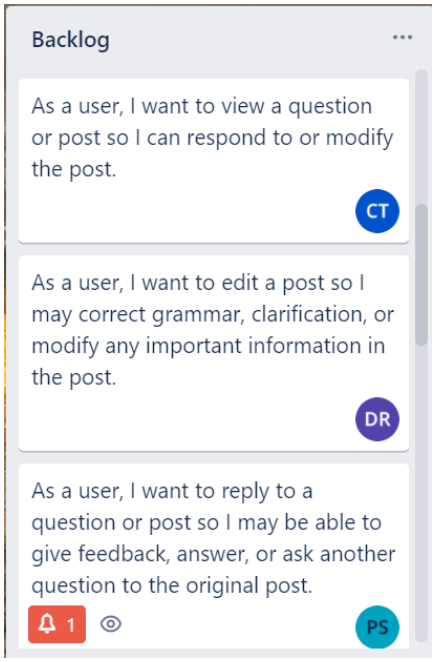
- GET
- POST

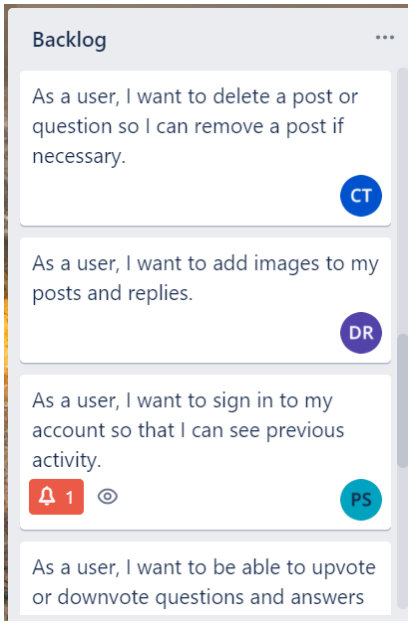


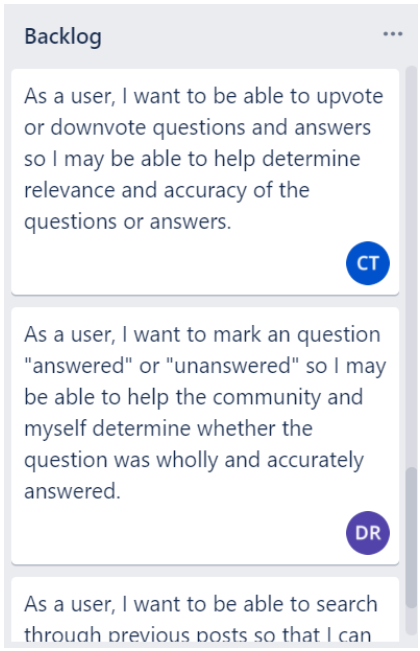
Update Backlog

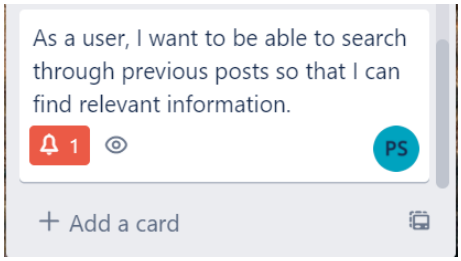
Update your product backlog to reflect the current status of your project and include a screenshot in your project document.




Backlog
As a user, I want to view a question or post so I can respond to or modify the post.
CT
As a user, I want to edit a post so I may correct grammar, clarification, or modify any important information in the post.
DR
As a user, I want to reply to a question or post so I may be able to give feedback, answer, or ask another question to the original post.
1
PS


Backlog
As a user, I want to delete a post or question so I can remove a post if necessary.
CT
As a user, I want to add images to my posts and replies.
DR
As a user, I want to sign in to my account so that I can see previous activity.
1
PS
As a user, I want to be able to upvote or downvote questions and answers


Backlog
As a user, I want to be able to upvote or downvote questions and answers so I may be able to help determine relevance and accuracy of the questions or answers.
CT
As a user, I want to mark an question "answered" or "unanswered" so I may be able to help the community and myself determine whether the question was wholly and accurately answered.
DR
As a user, I want to be able to search through previous posts so that I can


As a user, I want to be able to search through previous posts so that I can find relevant information.
1
PS
Add a card