

# 309 Screen sketches

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Quiz Bowl Quizzer

# Actors

## Users:

- Needs to see questions and practice
- Join groups
- Filter questions
- Add new questions
- Track progress

## Coaches:

- Create a group
- Invite users
- View groups progress
- Add questions to group set
- Manage teammates

## Administrators:

- Can view and manage all questions
- Can view and manage all users
- Can view and manage all groups

# Non functional requirements:

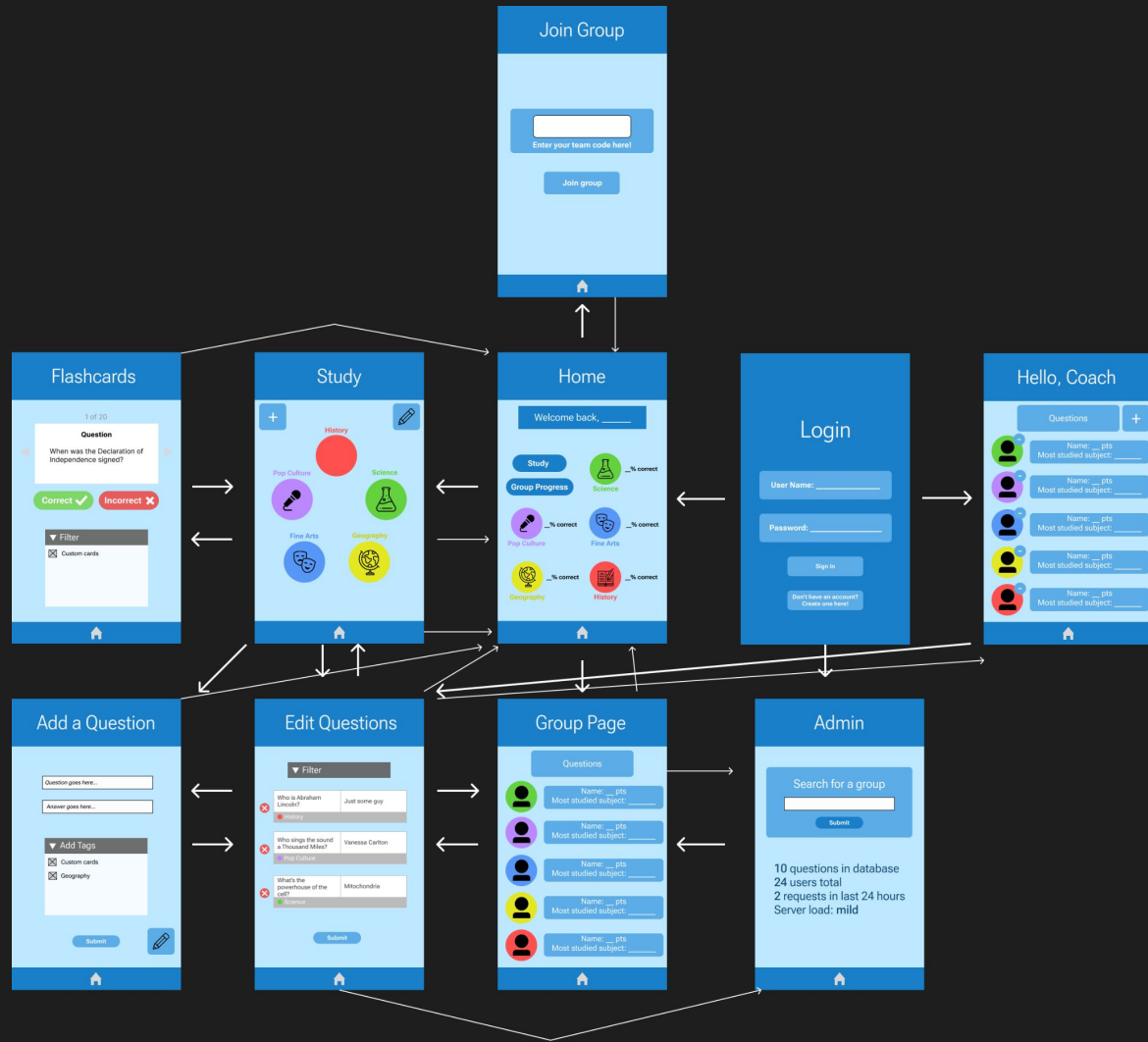
- Scalability
  - Needs to manage up to thousands of users
- Maintainability
  - Should have a low maintenance cost
- Reliability/Responsiveness
  - Little errors, hiccups, and other problems that break the flow
- Security
  - Needs to keep passwords/username/profile icons secure

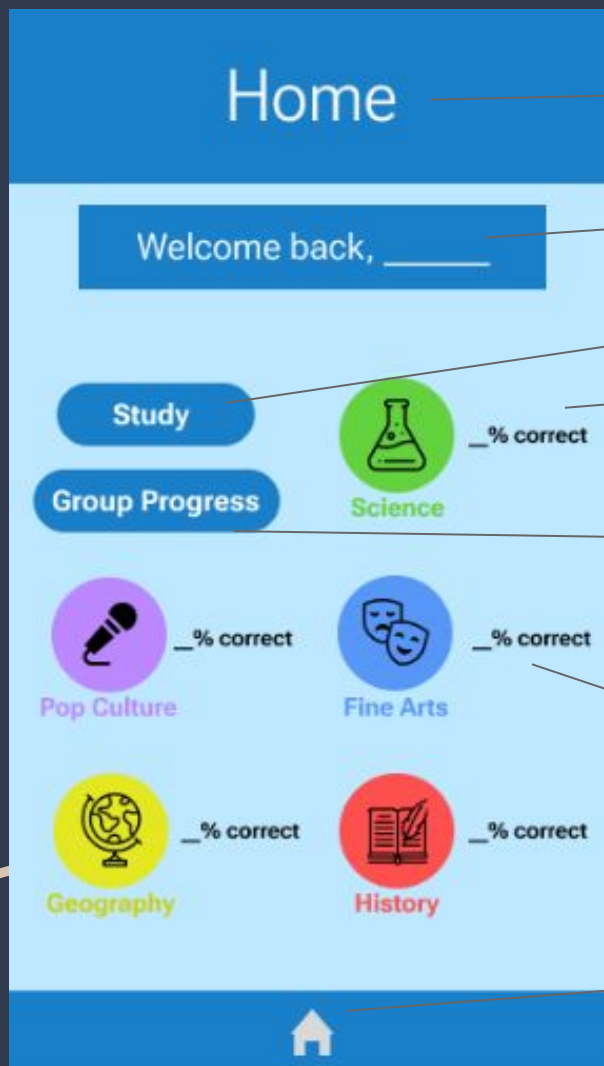
# Tables

- Questions: Holds the quiz bowl questions
  - Question id - unique id identifying the question
  - Answer - answer to the question
  - Category - the topic/subject the question addresses
  - Points - the amount of points associated with answering question correctly, determining the difficulty of the question
- User: Holds information about the user
  - Group/Team id: identifies the group user is part of
  - User name, email, and password
  - Questions contributed: the questions user has authored
  - Activity: amount of questions answered

# Screen Flow

The thinner arrows represent where the home button may go, depending on what level of user is logged in (student, coach, or admin)

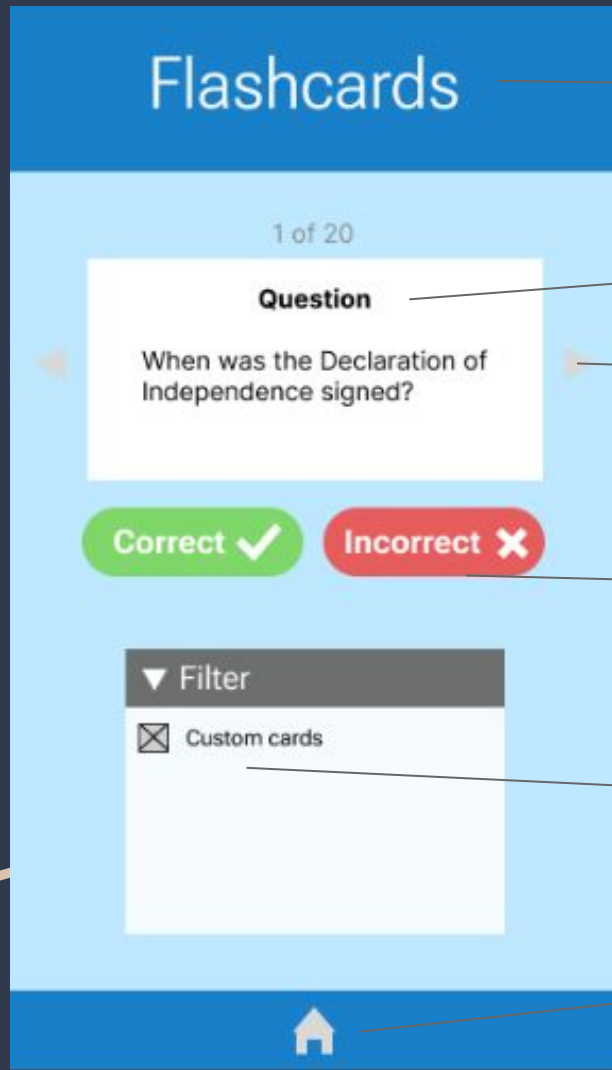




1. Title clearly shows the user on what screen they are on
2. User name to show who is logged in
3. Start studying button takes the user to the study screen
4. Group progress button takes the user to the group screen (or to join a group if not in one)
5. Category progress is based off of the points that the user got from answering points in that category
6. Home button



1. Study shows the options for subjects you can practice questions for
2. Edit questions button takes the user to the edit questions screen
3. Add questions to customize the users study materials
4. All the possible subjects available are on this page; you can click on one to get the questions associated with that subject
5. Home button allows for user to go to their homepage

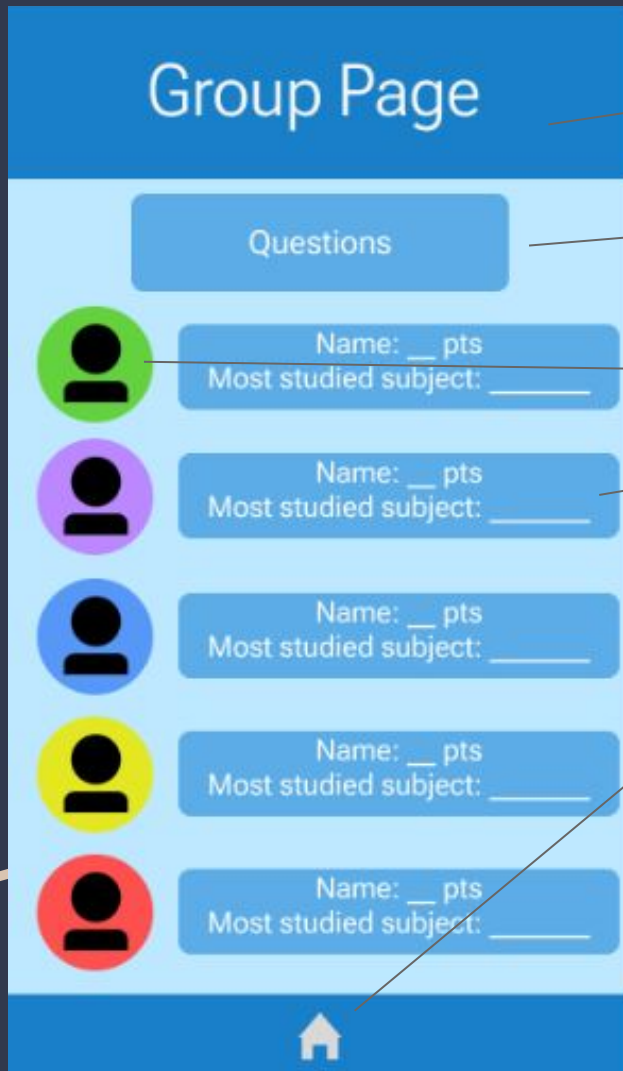


1. Flashcards are a way the user can practice the questions
2. Clicking the flashcard flips to reveal other side
3. Question navigation buttons, once all questions are finished the user is taken back to the study screen
4. Correct/Incorrect buttons grant points based on if the user got it right
5. Filtering allows the user to choose only questions that they want to work on
6. Home button



The screen features a blue header with the title 'Add a Question'. Below the header, there are two text input fields: the top one is labeled 'Question goes here...' and the bottom one is labeled 'Answer goes here...'. Under the answer field is a 'Add Tags' section with a dropdown arrow and two checked options: 'Custom cards' and 'Geography'. At the bottom of the main content area is a blue rounded button labeled 'Submit' and a blue square button with a pencil icon. A dark blue footer at the very bottom contains a white home icon.

1. Title
2. Question text input
3. Question answer input
4. User can add tags to assign it to a category so it can be filtered
5. Submit button
6. Home button
7. Edit button takes user to edit questions page



1. This screen shows group progress and members
2. Questions button takes users to the edit questions page
3. Group member profile picture
4. Group member name, progress and specialization
5. Home button allows for quick navigation back to the home screen



1. Edit questions page allows you to edit questions you've created
2. Filter allows you filter the questions by category
3. Indicates the category this question falls in; category is color coded to allow for clearer distinction between each category
4. For each question, the question itself is shown on the left and answer is shown on the right
5. Submit button allows you to submit the changes you've made



The image shows a login screen with a blue background. At the top, the word "Login" is displayed in white. Below it, there are two input fields: "User Name:" and "Password:". Under the password field is a "Sign In" button. At the bottom, there is a link that says "Don't have an account? Create one here!". Five lines with numbers 1 through 5 point to these elements: 1 points to "Login", 2 points to the "User Name:" field, 3 points to the "Password:" field, 4 points to the "Sign In" button, and 5 points to the "Don't have an account? Create one here?" link.

# Login

User Name: \_\_\_\_\_

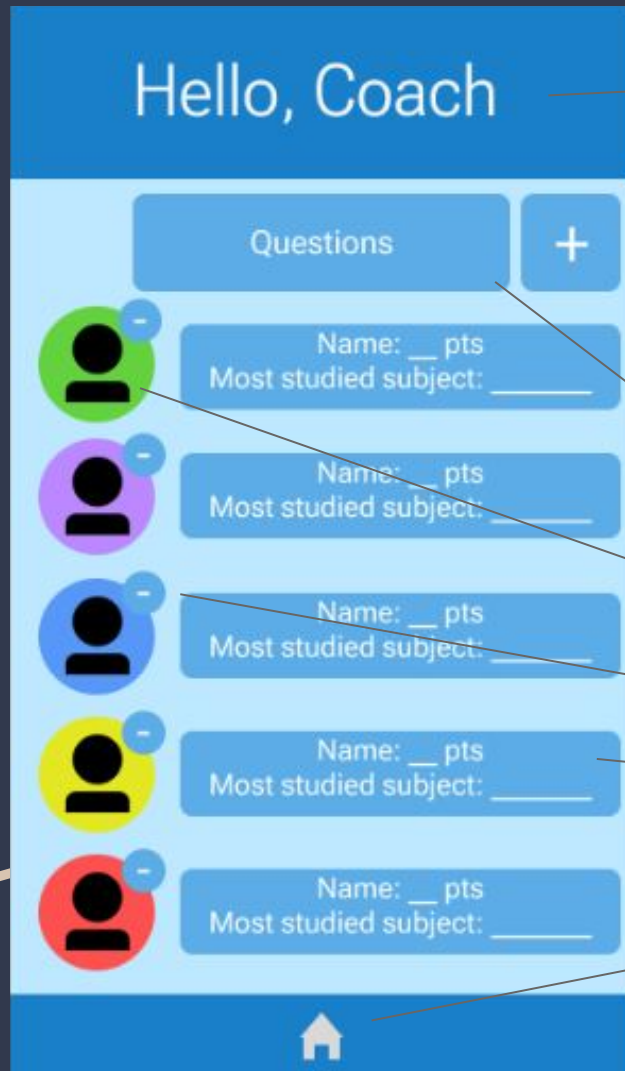
Password: \_\_\_\_\_

Sign In

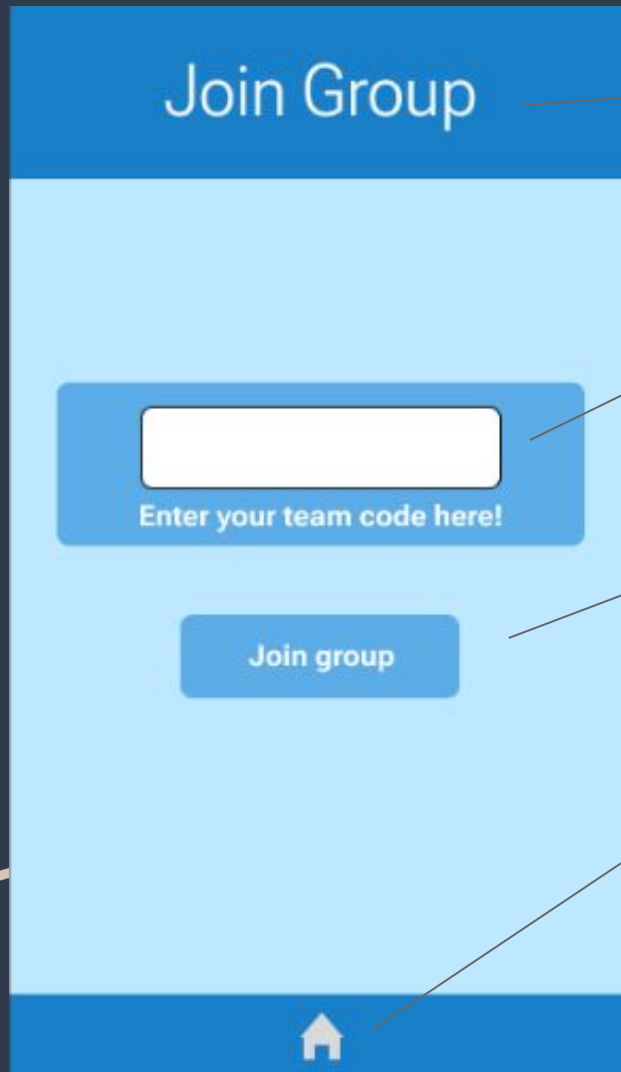
Don't have an account?  
Create one here!

1. Title
2. User name input
3. Password input, must be at least 8 characters with 1 special character
4. Sign in button
5. Create account button shows a very similar screen but the user name and password input creates a new account instead of logging in

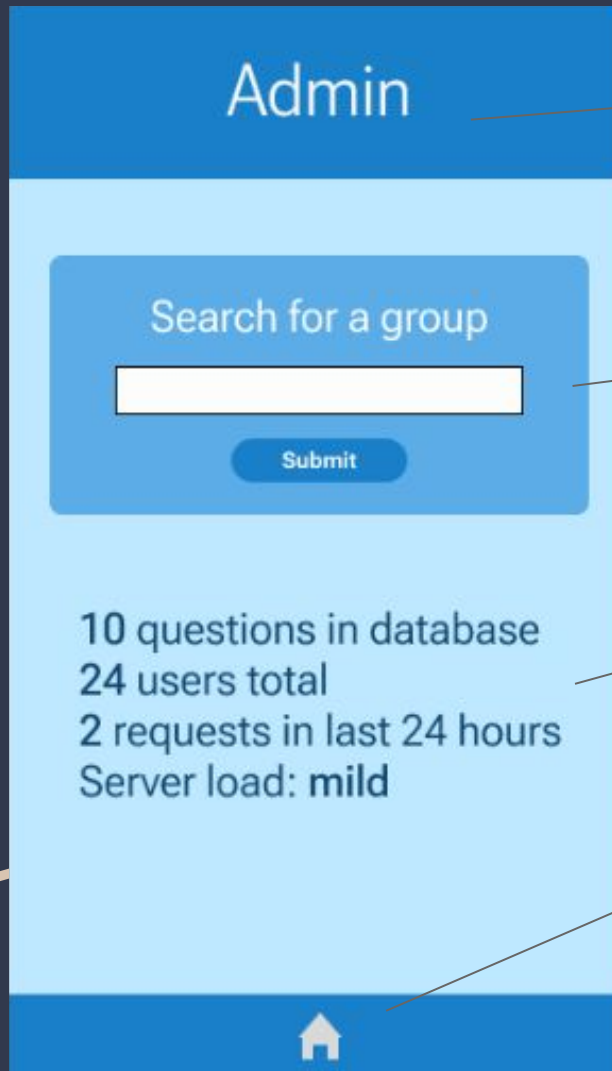
No home button because they are not signed in yet



1. This Coach group page has extra functionality to allow them to manage the group.
2. Add member button copies the group code to the clipboard so they can insert it into the join group screen
3. Questions button
4. Group member profile picture
5. Remove member button
6. Group member name, progress and specialization
7. Home button



1. Join Group allows you to join your team so that you can practice questions with them
2. Enter team unique code which will let you join the specific team, get access to their team page, and become a member of the team
3. Join group button processes the team code you entered to take you to the correct team page
4. Home button allows the user to cancel joining a group and takes them to the home screen



1. This is the admin page which allows them to check on the server status and manage the users and groups
2. Search for group field so they can manage the groups. Admins can remove entire groups and add/remove users from groups
3. Stats related to the status of the server and how much load it is getting
4. Home button