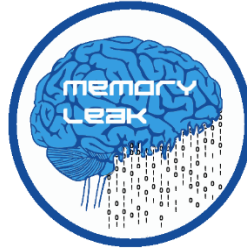


Memory Leak

User and Administrator Manual



by

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CIS4595: Capstone Project

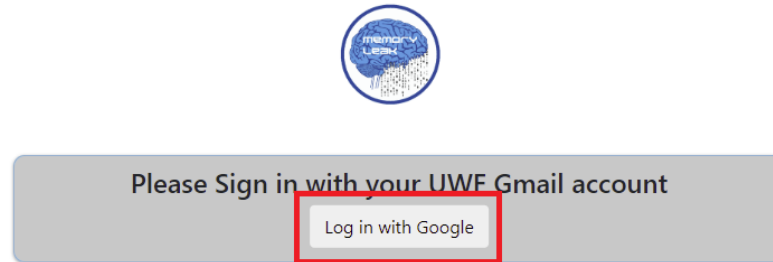
Dr. Bernd Owsnicki-Klewe

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1 Logging in/out

1. Once getting to the homepage of the application, click the Log in with Google button to use a Google Gmail to create a user and log in.



2. To log out of the application, click the Account Logout button on the navigation bar.



2 Posting a Question

1. To post a question, click on Have A Question? on the navigation bar.



2. You will be met with the form card to fill out. Here, you can insert a title, a body, and whether or not you would like the question to be posted anonymously.

A screenshot of a form titled 'Ask a Question' in a blue header bar. Below the header, there are three input fields: 'Title:', 'Body:', and 'Post as Anonymous?' followed by a checkbox. At the bottom left of the form is a 'Submit' button.

3. Hitting the Submit button will bring you to the page containing your newly created question. This is where you can see comments on your question, answers to your question, and comments on those answers.

3 Searching for a Question

1. To search for questions, click Search Questions on the navigation bar.



2. Once at the search page, the user will be able to enter in keywords as well as checking to search for already answered questions.
3. Clicking the Submit button will bring up a list of questions based on the search criteria entered.

A search form with a light blue background. It features a 'Search:' label above a white input field. Below the input field is an 'Answered?' checkbox. At the bottom left, there is a 'Submit' button, which is highlighted with a red rectangular box.

4 Viewing user profile with user asked questions

1. To view your user profile, which shows your asked questions, click User Profile on the navigation bar.



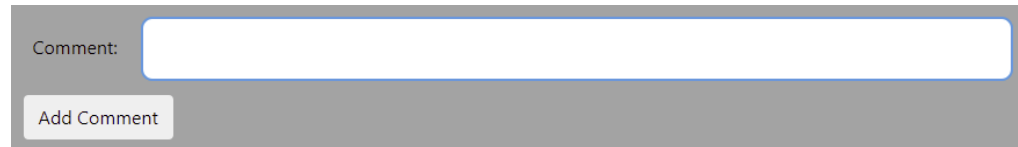
2. From the Profile page, a user can see questions that they have asked and have the ability to delete the questions by clicking the Delete button listed on each question. After deleting a question, the list will update automatically.

A user profile page with a light blue header containing a large white circle with the letter 'A'. Below the header is a section titled 'Your Currently Asked Questions'. It lists two questions: 'How do I use Memory Leak?' and 'Testing Anonymous Again'. Each question entry has a blue header bar and a white text area. To the right of each question is a delete button (a trash can icon) highlighted with a red rectangular box. The first question's text area contains the text: 'Hi, I'm new here. I'm not quite sure what to do. Could anyone give me some pointers?'. The second question's text area contains the text: 'Body again'.

5 Commenting and answering a question

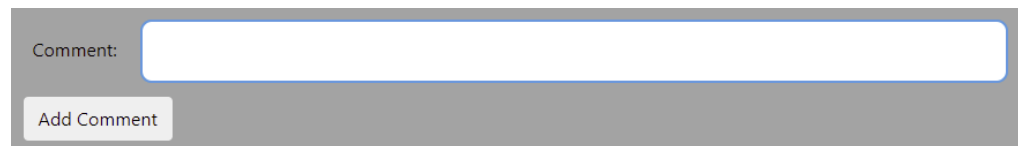
5.1 Commenting on a Question

1. To comment on a question, type into the provided text area that is just below the question's text and hit the Add Comment button.

A screenshot of a user interface for commenting on a question. It features a light gray background. On the left, the text "Comment:" is displayed in a small, dark font. To its right is a large, empty white text input field with a thin blue border. Below the input field, there is a small, light gray rectangular button with the text "Add Comment" in a dark font.

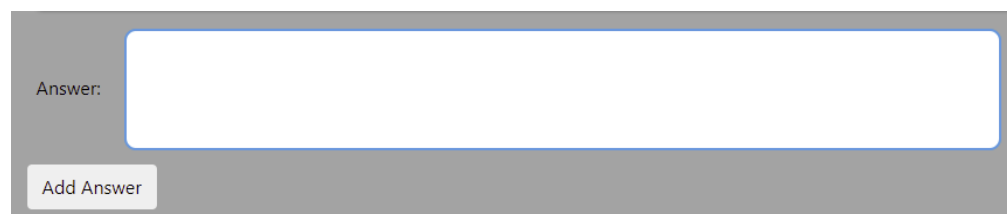
5.2 Commenting on an answer

1. To comment on a specific answer, type into the provided text area that is just below the answer text as you would for commenting on a question itself and hit the Add Comment button.

A screenshot of a user interface for commenting on an answer. It features a light gray background. On the left, the text "Comment:" is displayed in a small, dark font. To its right is a large, empty white text input field with a thin blue border. Below the input field, there is a small, light gray rectangular button with the text "Add Comment" in a dark font.

5.3 Answering a question

1. To answer a question, simply type into the provided text area and hit the Add Answer button.

A screenshot of a user interface for answering a question. It features a light gray background. On the left, the text "Answer:" is displayed in a small, dark font. To its right is a large, empty white text input field with a thin blue border. Below the input field, there is a small, light gray rectangular button with the text "Add Answer" in a dark font.

6 Flagging questions

1. A user will be able to flag a question for a moderator to review if there are issues with the question. These issues can range from rude or inappropriate content, encouraging academic misconduct to letting the moderator know that the question has already been answered. To flag the question, click the Submit button at the bottom of the question.

Problem with this question? [Flag This Question](#)

2. A window will pop up for the user to enter a number 1-4 which will represent the reason for flagging the question.

localhost:4200 says

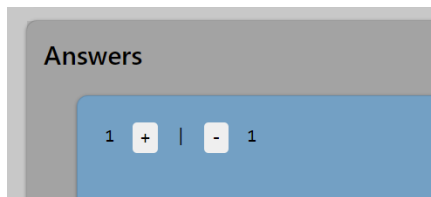
Enter the reason for flagging (1-4):

1. Question is rude/inappropriate
2. Question encourages academic misconduct
3. Question has been answered previously
4. An answer or comment for this question is rude, inappropriate, and/or encourages academic misconduct

[OK](#) [Cancel](#)

7 Upvoting and Downvoting

1. To add an upvote or downvote to an answer on a question, click on the corresponding buttons. Plus sign adds an upvote and the minus sign adds a downvote.

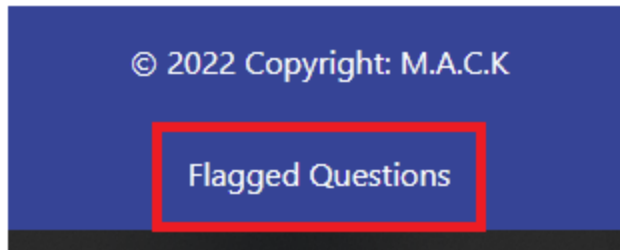


8 Deleting asked questions

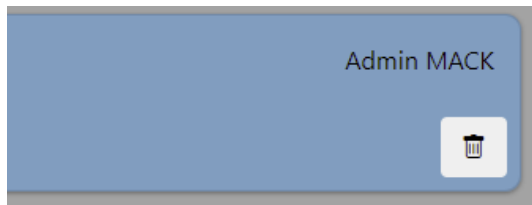
1. Deleting of questions can be done as stated above in section 4 step 2 as well as section 9 step 2.

9 Moderator management

1. This section is only for the moderators of the application. To check which questions have been flagged for review, click the Flagged Questions link at the bottom of the screen to view the Administration page.



2. This page will show the moderator which questions have been flagged by users. Each question will have a Remove button that once clicked will delete the question from the database of questions.
3. Moderators also have the ability to delete a comment and an answer from a specific question without having to have the question flagged. Clicking the trash can next to any of the comments, answers, or the question itself will delete the respective item.



10 Giving Administrator access

1. To give administrator access to a user so that they are able to be a moderator, an admin will need to log into the Firestore database and adjust the admin field of the user.
2. To do this, click on the users collection.
3. Locate the document UID and select it.
4. If the admin field is not present, add it by selecting Add field, and make it a boolean.
5. Adjust the admin field and set it to true.

