



CPSC 473 – Project 1

Section 1, Team 6 – Breathtaking Tetrahedron

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Introduction

QikWik is a website that allows users to post ephemeral questions and answers. Users can see and respond to active questions or post new questions of their own. Questions and answers will disappear after a set amount of time.

To run the page: run Node.js on index.js, then go to localhost:3000 in browser.

Home Page



Figure 1: Homepage of QikWik, populated with some questions.

The first page that users see contains a banner graphic at the top of the page, a "New Question" button, a Search bar, and a list of all active questions. Each question post has user-submitted tags, a timer that turns red and animates if there is less than a minute left, and a link to the comments. There is also a help button located at the top-left of the page that will redirect the user to a PDF detailing the uses of the application.

Questions that expire will explode and be removed from the list. This, along with the shaking timer, help relay the theme of a bomb about to explode.

Post Question

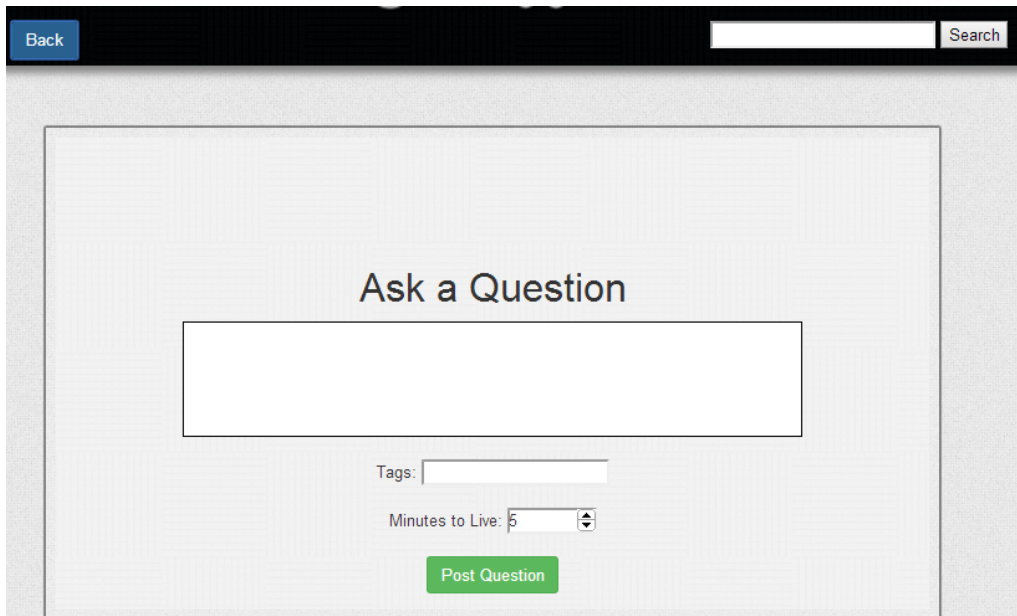


Figure 2: Separate page for inputting a question. Note the New Question button has changed to a Back button.

The “New Question” button takes the user to the question form. Users are to ask a question with at least 12 characters, and provide at least one tag. Users can set the amount of time they want their question to last from 5 to 720 minutes. Conditions not met will prompt an appropriate message.

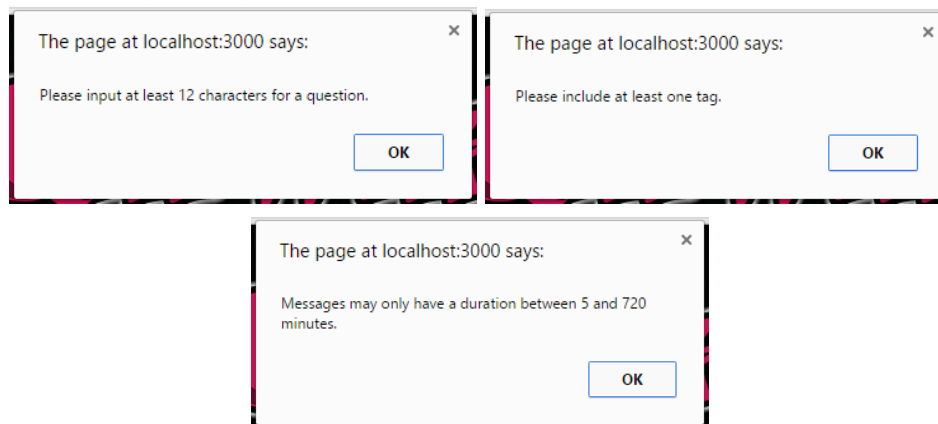
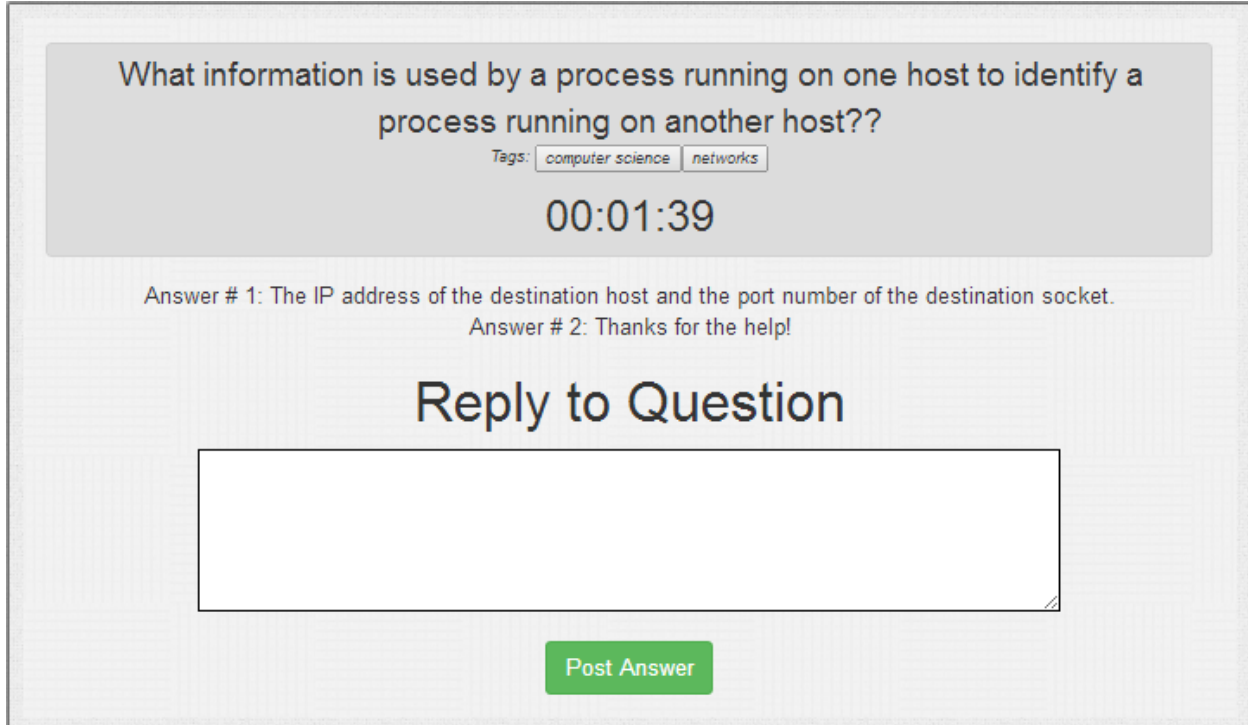


Figure 3: Error messages from not having a large enough question, no tags, and an invalid time limit.

The “Post Question” button will take the user back to the Home Page with their new question appended at the bottom of the list. If the user changes their mind, they can press the Back button to return to the homepage.

Post Answer



The screenshot shows a web interface for answering a question. At the top, the question is: "What information is used by a process running on one host to identify a process running on another host??" Below the question, there are tags: "computer science" and "networks". A timer shows "00:01:39". Below the timer, there are two answers: "Answer # 1: The IP address of the destination host and the port number of the destination socket." and "Answer # 2: Thanks for the help!". Below the answers, there is a large text input box for the user to write their answer. At the bottom of the input box, there is a green button labeled "Post Answer".

Figure 4: Answering the question.

Clicking on the comments link to a question will direct the user to the answer page for that question. The question, tags, and time duration are shown, as well as any answers or comments users have submitted. Answering a question requires at least 12 characters.

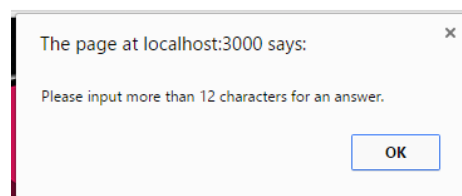


Figure 5: Error message for not inputting a large enough answer.

Clicking "Post Answer" after typing content into the text box will add 'Answer #', its corresponding number, and the content to the comments section. If the timer is down to its last minute, it will turn red and shake. Any answers submitted during this phase will reset the timer to one minute. When the question expires, users can no longer post answers as the button will become inactive.

Search

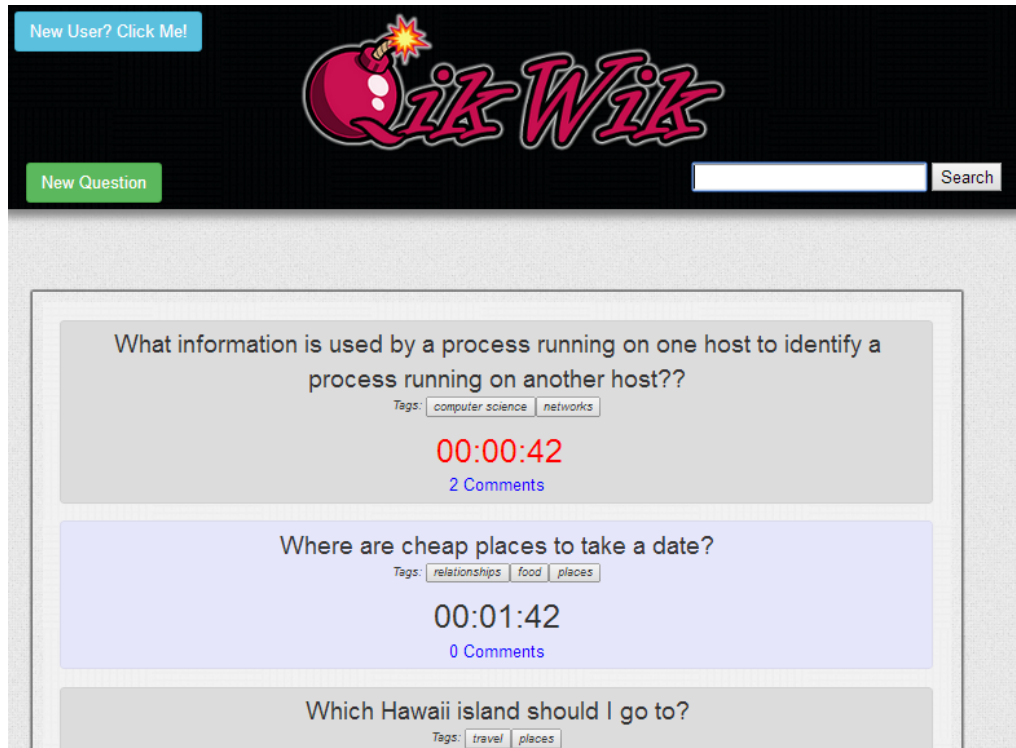


Figure 6: Homepage before searching for 'food' tag.

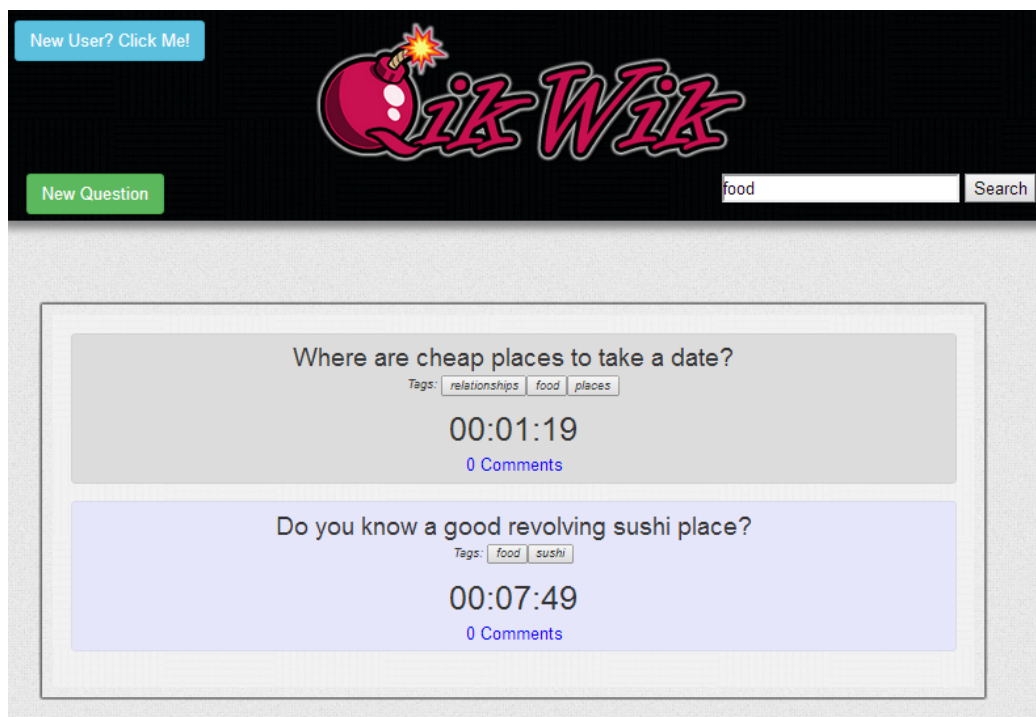


Figure 7: Homepage after searching for 'food' tag. Note that only questions with the 'food' tag are displayed.

Typing a tag in the search box and clicking the search button (or hitting enter/return) will display questions with the specified tag. Clicking a tag inside a question box will display all questions that share that tag.

If the user no longer wishes to search for a specific tag, they may refresh the page, clear out the search box and hit the search button, or click the QikWik logo.

Resources

- Node.js
- jQuery
- body-parser
- [jRumble](#)
- [Bootstrap](#)