

# Assignment 1: Report

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## The docker image link on dockerhub

- [https://hub.docker.com/r/nuridak/4350image/tags?page=1&ordering=last\\_updated](https://hub.docker.com/r/nuridak/4350image/tags?page=1&ordering=last_updated)

## Github repo for the source code of your application

- <https://github.com/nuridak/4350-Assignment>

## Description

This project is Web Application for exploring Stack Overflow questions. This application is used to find questions from the Stack Overflow by the questions' *tag value*. The application will process the entered by a user tag and generate two(2) lists of questions; the first list will contain top 10 most recent questions, and the second list will contain top 10 most upvoted questions.

## Logic Description

The logic behind this application is pretty simple. First thing it does, when it is opened, is waiting for the tag from the user in form of string input. The input will be considered completed only after the Submit button is clicked. After user confirms their inputted tag by pressing Submit button, the *getQuestions()* method will be called. This method retrieves the tag as a variable and uses it to create a HTTP request to the Stack Exchange API server to get the data related to the recent questions that are sorted in descending order by their creation date, and a separate HTTP request to the Stack Exchange API server to get the data related to the recent questions that are sorted in descending order by their votes number. After receiving the data, it retrieves all of the needed values such as title, body of the question, upvote number, creation date, list of answers. After that it calls another method called *Show()* to show all of that information on page. After that the questions are shown on the page.

## Technologies

- Front-End Language:
  - HTML is used to implement the skeleton design of the application.
  - CSS is used to add some style to the application.
- Back-End Language:
  - JavaScript is used to implement the functionality to the application.
- Databases:
  - Stack Exchange API is used to retrieve the data that is related to the questions from the Stack Overflow.
    - Example: <https://api.stackexchange.com/docs/questions>

## Instructions on how to run the website:

**Step 1:** open the docker image link provided above

**Step 2:** copy the pull image command and run it in terminal

***docker pull nuridak/4350image:latest***

**Step 3:** run the image through the terminal:

***docker container run --name app -d -p 8080:80 nuridak/4350image***

**Step 4:** open the web page: <http://localhost:8080>

**After you are done:** stop and delete (*docker stop app*, *docker rm app*)

## How to enter the tag you want to look up questions:

**Step1:** after opening the page (<http://localhost:8080>) you will see the web application

**Step 2:** Enter the tag you want to look for and press Submit button.

\* The Refresh button refreshes the page:

<div>qs</div> <div><h3>Find Your Questions</h3><div>Enter Tag <input type="text" value="e.g. windows"/></div><div><input type="button" value="Submit"/></div><div><input type="button" value="Refresh"/></div></div>	<div>qs</div> <div><h3>Find Your Questions</h3><div>Enter Tag <input type="text" value="windows"/></div><div><input type="button" value="Submit"/></div><div><input type="button" value="Refresh"/></div></div>
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## How to explore the questions related to a tag:

**Step1:** After Submitting an entry you will be able to see Top 10 Most Recent questions, and after scrolling down you will find Top 10 Most Voted questions; and the very bottom you will be able to find the Response Time

<div>qs</div> <div><h3>Find Your Questions</h3><div>Enter Tag <input type="text" value="windows"/></div><div><input type="button" value="Submit"/></div><div><input type="button" value="Refresh"/></div></div> <div>Top 10 Newest Questions:</div> <div>How do I authenticate to AD from Go as the currently logged in Windows user? CreationDate: 1615503567 Votes#: 2</div> <div>Window toast notification actions handler CreationDate: 1615502496 Votes#: 0</div>	<div>OpenGL context flickers CreationDate: 1615490164 Votes#: 1</div> <div>Top 10 Most Voted Questions:</div> <div>WICConvertBitmapSource BGR to Gray unexpected pixel format conversion CreationDate: 1615384389 Votes#: 11</div> <div>How to compile a shared library on Windows such that it can be used with N CreationDate: 1615066050 Votes#: 7</div> <div>Cannot run python file from outside of source directory CreationDate: 1614962566 Votes#: 3</div>
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Response Time is: 0.001 seconds

**Step 2:** After Clicking on the title of the question you are interested in, it will be expanded and you will be able to see the question's details such as question and answers; if the question is not answered it will be mentioned.

<div>Inno Setup "Source file C:\Windows\System32\vruntime140_1.dll does not exist" error CreationDate: 1615497640 Votes#: 1</div> <div>I'm trying to install some visual studio dlls on the guest machine with inno setup, here is the [Files] section of m</div> <div>[Files] Source: ... ... Source: "C:\Windows\System32\msvcpl140.dll"; DestDir: "{app}" Source: "C:\Windows\System32\vruntime140.dll"; DestDir: "{app}" Source: "C:\Windows\System32\vruntime140_1.dll"; DestDir: "{app}"</div> <div>It gives me an error in the last line, saying that it can't find the source file, although it is there. Does it have som</div> <div><a href="#">The file in System32 folder</a></div> <div>Answers: NameMartin Prikrly</div> <div>On my 64-bit system, the vruntime140_1.dll is in the real 64-bit C:\Windows\System32. Inno Setup compile application tries to access the C:\Windows\System32, it gets redirected to C:\Windows\SysWOW64, where 32-bit</div> <div>This also shows you the weakness of your approach, as others have commented. You likely didn't even realize t</div> <div><a href="#">Redistributable installer</a>, it will take care of installing the right versions to the right locations. While you would</div> <div>Some examples:</div> <div><ul style="list-style-type: none"><li>• <a href="#">How to install Microsoft VC++ redistributables silently in Inno Setup?</a></li><li>• <a href="#">How to make vc_redist_x86 reinstall only if not yet installed?</a></li></ul></div> <div>CreationDate: 1 Votes#: 1</div>	<div>localhost</div> <div>qs</div> <div>Top 10 Newest Questions:</div> <div>How do I authenticate to AD from Go as the currently logged in Windows user? CreationDate: 1615503567 Votes#: 2</div> <div>How do I authenticate to AD from Go as the currently logged in Windows user? Windows command connect to AD but I don't want to ask for a password or store one to bind to AD. I want to bind impli</div> <div>There are no answers yet</div> <div>Window toast notification actions handler</div>
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