***ask-rep***

***(on-line repository)***

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Cloud Computing COMSM0010

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4. Overview

The main objective for this project is to create an online repository where users will be able to create, upload and share their files amongst other users. Users will be able to create public repositories in order to upload or create new files and store them in folders/sub-folders. The main reason for creating custom files is to allow the user to write pieces of code and if needs be whilst typing the application will recommend online code snippets to him/her. This will permit the user to search for code through the application instead of typing their query in Google. Furthermore, these files will be saved on the cloud and placed in new or existing repositories according to the users’ preference. The repositories will be available to the public and the files can be viewed straight from the browser.

1. Cloud Computing

* this section must be at least a page long
* what is Cloud
* how it works
* benefits related to our project

1. Planning

The project took us roughly two month to finish it and tasks were divided as follows:

**Dhiraj Narwani**

* Front-end design and implementation (HTML, CSS, JavaScript and Java code).
* Database Creation – All files, repositories, folders, users will be stored in a database.
* Sign in/out functionality – Users can login with their Google account to access restricted functionalities.
* Customizing repositories – Creating a repository where folders and sub-folders can be included.
* Upload files – Uploading existing code files with specific extensions to the database.
* Viewing files – View existing files from public repositories in the browser.

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* Google Custom Search – Functionality that will query google in order to extract code tags.
* Extract code tags – Extracting code snippets through ‘code tags’ from pre-defined websites.
* Display code – Displaying code snippets in panels.
* Creating new files – Saving files as BLOBS in the database.
* Trending Repositories – List of all repositories in descending order (recent first).

1. Implementation

* a bit of overview of the implementation methods as we did for the abstract – environment and libraries

*Sub-sections as follows:*

* Log In
* Database functionality
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* Customizing repositories
* Create repository
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* Custom Search Engine
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* Trending repositories

1. Results

* end product functionality
* our satisfaction with this project

1. Future work

* language processing for compilation

1. Summary

Appendix

References

Code

Gantt Chart