CSC1022 Coursework 2016-17

Browser

This Java project is separated in three classes. Browser, JPane and Toolbar. The Toolbar contains all the buttons, the text field and the label. It is also, where I added the action listeners to the buttons. In addition, it contains the action Performed method, which is crucial to this project. It contains the methods of all the different buttons. Here are also the checkers of the back and forward buttons and all the getters and setters, which helps to access the buttons in methods and other classes.

The JPane contains the Hyperlink Update methods. It is very important, because without it will not be possible to click on hyperlinks on webpages.

In the Browser class, I am creating the objects (Browser, JFrame and Toolbar). Setting the size of the frame, making it visible. In addition, I am using a file reader to read from homepage.txt and set the homepage. I am using google as a homepage; the URL is typed in homepage.txt.

In the other classes, I am using file writers to write the visited pages’ URLs in history.txt The history.txt file will be empty, in order to help the tester test the project easily. The browser class should be compiled, in order to launch the browser. After that you can type and URL in the text field. For example,” <http://www.facebook.com> ” or <http://facebook.com>. You can use the enter key or the search button. If you click the back button, you can go to the previous page, until you reach the first one. The forward button has similar logic, if you return to the previous pages and then you want to go back to the last page. The home button will return you to the homepage. The reload button will refresh the page. If you type a new link in the text field and hit the refresh button accidentally, again, it will reload the current page and the text field will be updated with the current page’s link.

IMPORTANT NOTE: The history.txt and homepage.txt should be in a same folder with .java files (Browser.java, JPane.java, and Toolbar.java). If they are in a different folder the Browser, class will not compile. Please keep them in a same folder. Thank you in advance.

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