Tom Fenyak

CPSC 2713 Project Module02

Classes to be used for Web Browser Project

* **Tab** class – because we need the ability have a place where we can enter and read in a URL and move our tabs around to where we want them. We should be able to navigate to other webpages with a click of a button with forward and back. Should be able to add a page to bookmarks with the given URL.
  + Things the Tab class must know are….
    - The URL of the webpage
  + Things the Tab Class must do to are…
    - Create and initialize an object of the Tab class
    - Get and set the URL
    - Add, reorder, and close a tab
    - Set the URL we wish to “Go” to
    - Display the Web Page
    - Get and set previous and next URL
    - Stop and refresh via buttons
    - Add page to Bookmarks
* **Menu** class – because we need the ability to have a dropdown where we can access the History class, the Bookmarks class, print out the current page, and create a new tab
  + Things the Menu class must know are….
    - Current Tab
    - URL of webpage
  + Things the Menu class must do
    - Open a new Tab/ from Tab Class
    - Get URL and save current page as html
    - get History class
    - get Bookmarks class
    - Get and print page
    - Exit browser
* **History** class – because we need the ability to create a user History based on the URLs that the user visits over time. It will need to create a list of URLs visited, have the ability to sort them, and finally clear the History.
  + Things the History class must know
    - list of previous URL’s visited by user
  + Things the History class must do
    - Create a list of URLs visited as History
    - Get and set page URl
    - Get and set page title
    - Get and set time of visit
    - Sort History by page title, page URL, and time of visit
* **Bookmarks** class – we need the ability to save certain URLs that the user would want to access over and over through the bookmarks menu.
  + things the Bookmarks class must know
    - Which URL the user would like to “bookmark”
  + Things the Bookmarks class must do
    - Get and set page URL to bookmark
    - Get and set folder name where URL should be saved
    - Ability to move items between folders
    - Remove page URL if wanted to delete