

ThoughtsBank Web Application

In this exercise, you will create a web application called *ThoughtsBank* for *creating* and *retrieving users'* thoughts.

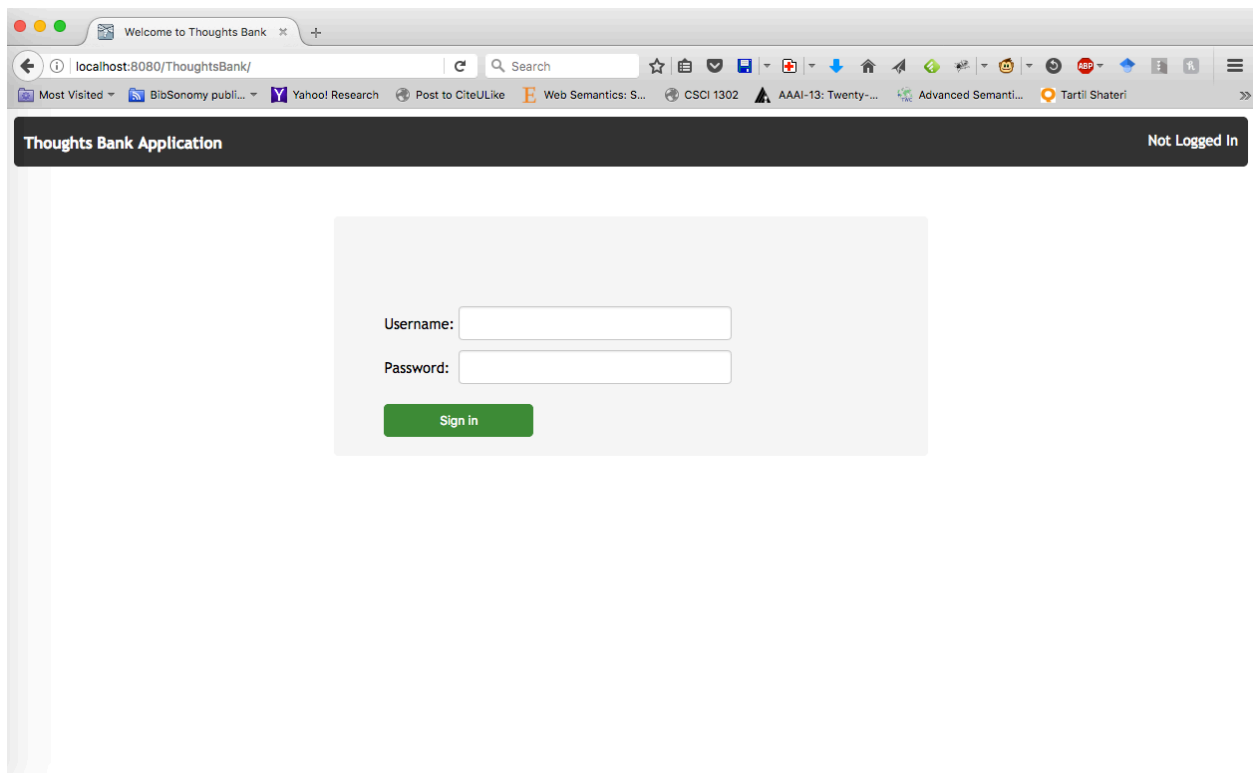
You need to use Servlet and FreeMarker to do this project.

Project Description:

When this application runs, the user will see the home page called *index.html*. Home page has a header and a form for user to log in. **Please note:** the header has to be repeated for all the html pages. Since session tracking is not discussed in the class yet, we will only simulate it when user signs in.

*Your html pages do not need to be *exactly* look like the screen shots below. Hence, As long as the functionalities are completely implemented, you are free to use any html/CSS styling you desire.

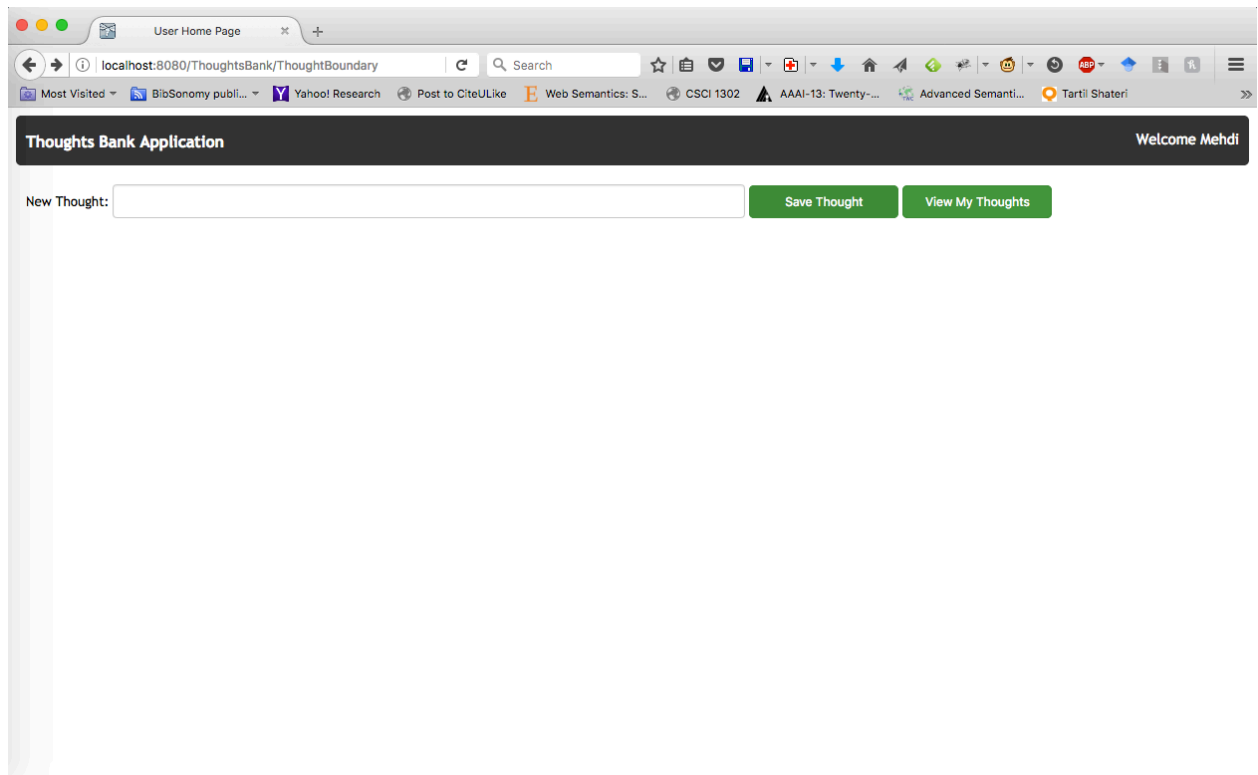
The home page can be look like this:



When user types username and password, they will see the user main page. This page has a few features:

- 1) The header where shows who has logged in.
- 2) A text field for typing new thought and saving it using the *“Save Thought”* button.
- 3) The *“View My Thought”* button where displays all the thoughts of this user when clicked on.

Here’s the user’s main page:



If user types a new thought and clicks the *“Save Thought”* button, this new record (i.e. thought) will be stored and the same user’s main page will be displayed again for entering more new thoughts if needed.

If user clicks *“View My Thoughts”* button, they will see a page that includes all the thoughts for this specific user.

Please note: You can use any data structure of your choice for storing and retrieving thoughts such as file, if you are willing to persist the thoughts even after the servlet life cycle is over, or Map for as long as the application is running.

Here’s the snapshot of the view thoughts html page:

