

TweetBlog: A web application

By

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Course: CPSC 476

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Requirements

1. Create Data Access Objects (DAOs) and interfaces for each entity in the system (at the very least, this means users and posts, though there may be others).
2. Add a Spring application context and use it to create:
 - a. An instance of an [Apache Commons DBCP](#) DataSource
 - b. A Spring [JdbcTemplate](#) object
 - c. Instances of each DAO
3. Modify your code to use the DAOs to store and retrieve user information and blog entries. The rest of the code

Additional Requirements

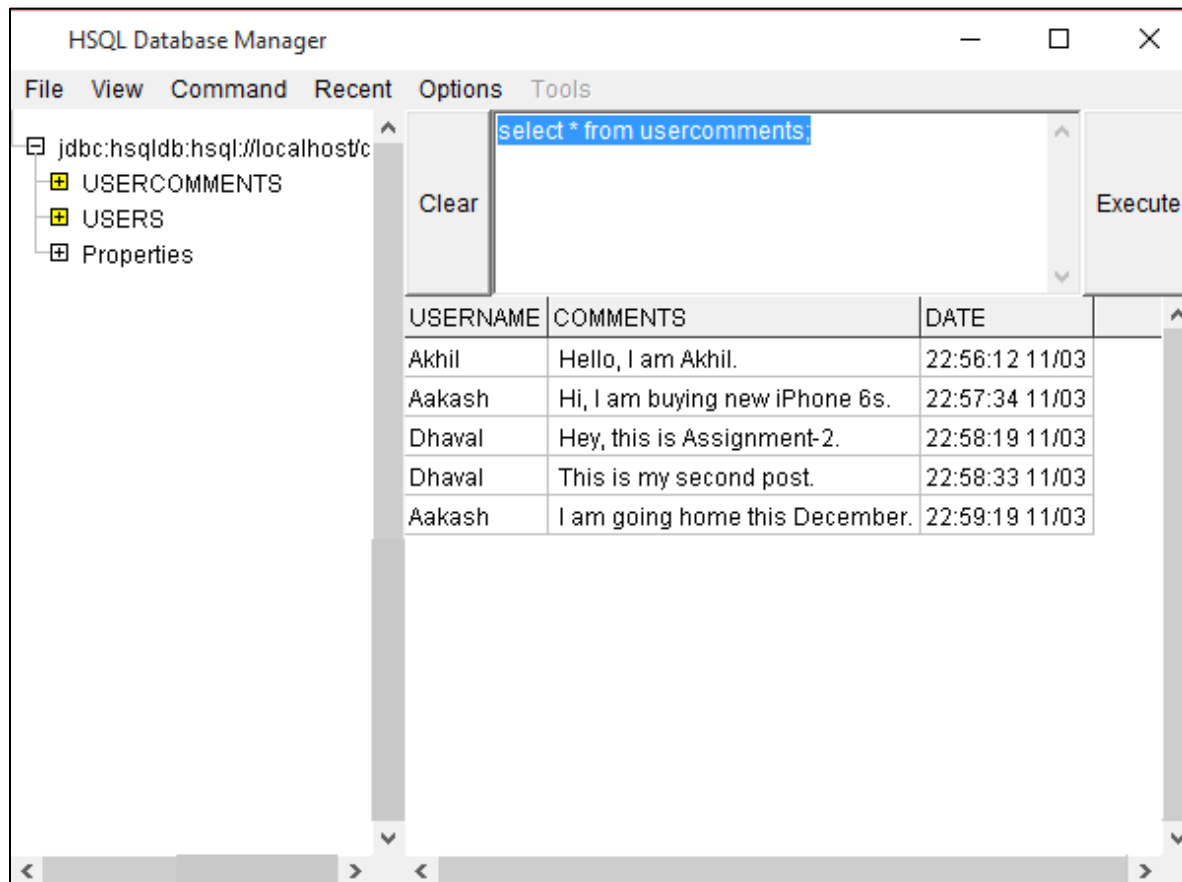
1. Use Apache Ant to install and run HSQLDB (see below)
2. Submit any CREATE TABLE or other SQL DDL statements required to create your database schema

We have stored User's username and passwords and other details like Blogs in an HSQLDB. And retrieved the data from HSQLDB using inbuilt RowMapper function.

Instructions: - We have attached .sql file with our project which has queries to create the table in the database. So please run the queries from .sql file first and then execute our project.

Database Tables: - Schemas of required tables used by our application.

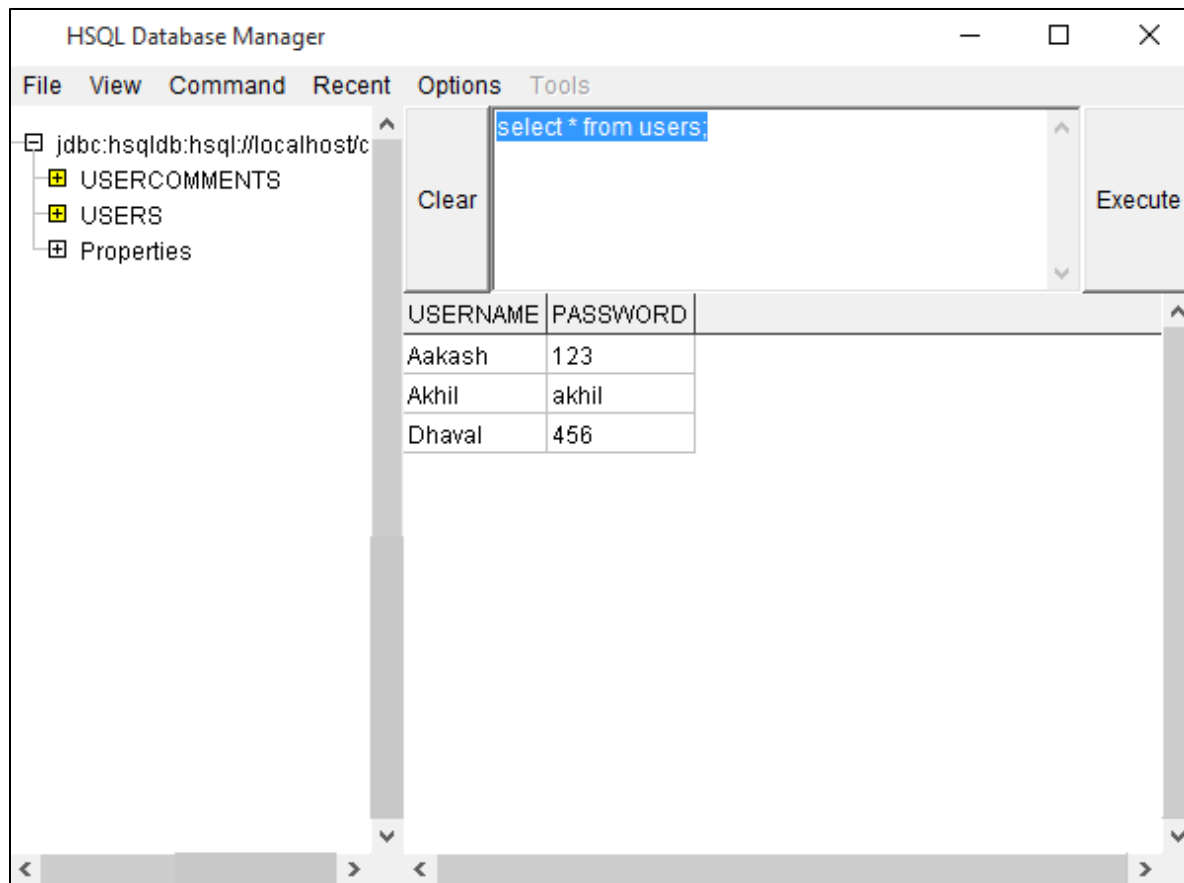
Table 1: Posts



The screenshot shows the HSQL Database Manager interface. On the left, a tree view displays the database structure: jdbc:hsqldb:hsqldb://localhost/c, USERCOMMENTS, USERS, and Properties. The main window contains a SQL editor with the query 'select * from usercomments;' and an 'Execute' button. Below the editor, the query results are displayed in a table format.

USERNAME	COMMENTS	DATE
Akhil	Hello, I am Akhil.	22:56:12 11/03
Aakash	Hi, I am buying new iPhone 6s.	22:57:34 11/03
Dhaval	Hey, this is Assignment-2.	22:58:19 11/03
Dhaval	This is my second post.	22:58:33 11/03
Aakash	I am going home this December.	22:59:19 11/03

Table 2: Users



The screenshot shows the HSQL Database Manager interface. On the left, a tree view displays the database structure: jdbc:hsqldb:hsqldb://localhost/c, USERCOMMENTS, USERS, and Properties. The main window contains a command editor with the text "select * from users;" and an "Execute" button. Below the command editor, a table displays the query results.

USERNAME	PASSWORD
Aakash	123
Akhil	akhil
Dhaval	456

Public Page:

This is a public “front page” showing recent posts to the blog in reverse chronological order, along with the author of each post and the date it was posted. When there are no posts in the “Recent Post” tab will not show any posts as shown in screenshot below.

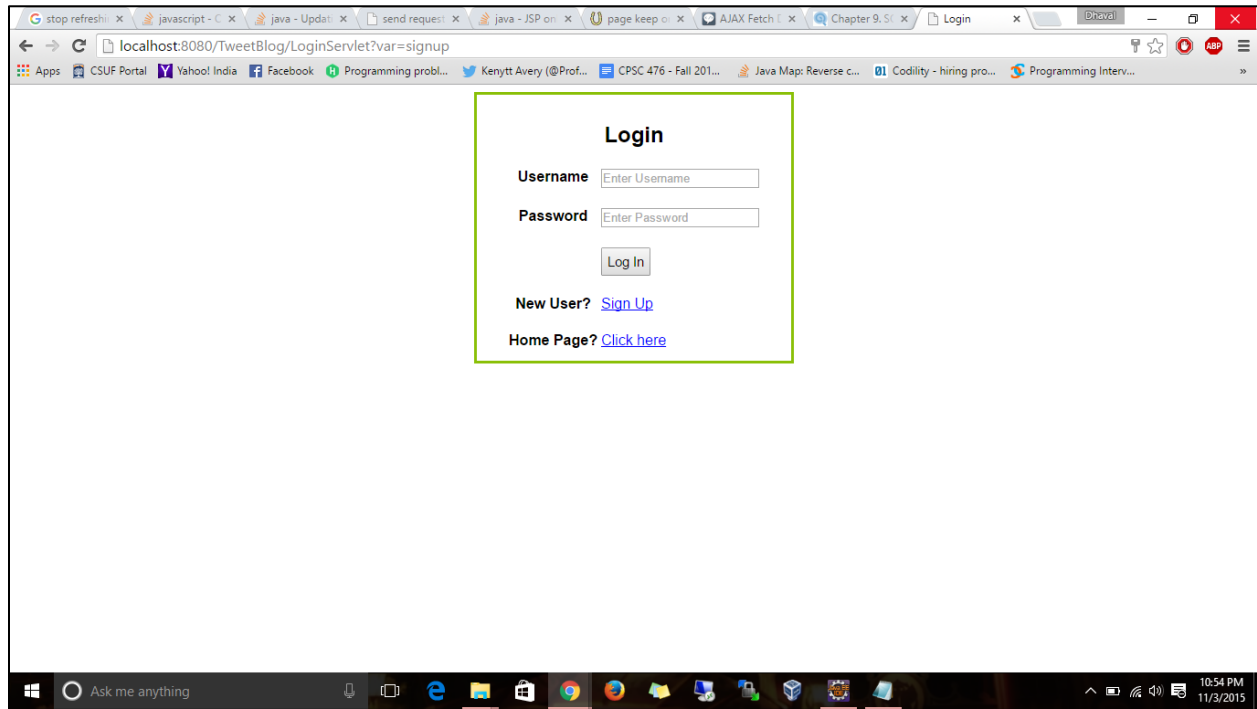


After users post their individual post, this public page will have posts of each user, as shown in screenshot below.



Login Page:

If user has an account then user will enter his/her credentials to get logged in to post his blog. Without logging in user will not be able to post his/her blog.



Signup Page:

If user doesn't have an account, he/she needs to sign up first to post his/her blog.

The screenshot shows a web browser window with the address bar displaying `localhost:8080/TweetBlog/signup.jsp`. The browser's tab bar shows several open tabs, including 'stop refreshi...', 'javascript - C...', 'java - Updati...', 'send request...', 'java - JSP on...', 'page keep o...', 'AJAX Fetch...', 'Chapter 9, S...', and 'SignUp'. The browser's address bar also shows a search bar with 'Dhava' and a red 'ABP' icon. The main content area of the browser displays a registration form titled 'Register New User'. The form is enclosed in a green border and contains the following elements:

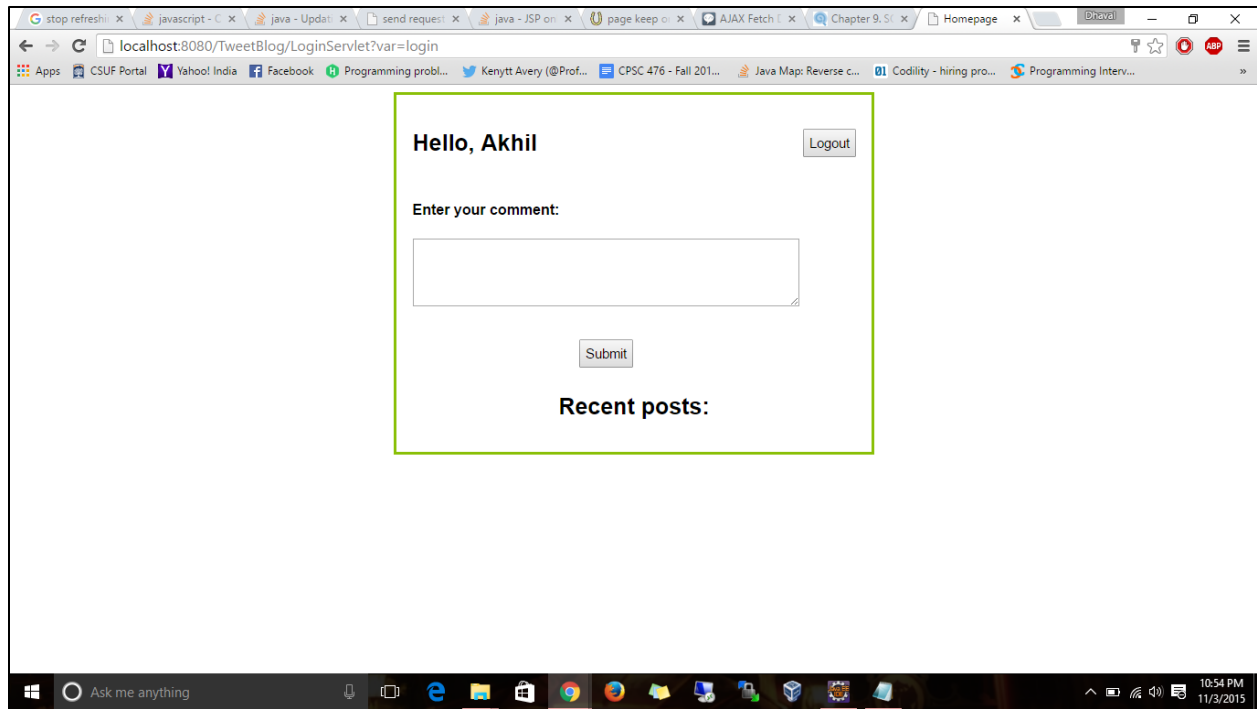
- Register New User**: The title of the form.
- Username**: A label followed by a text input field with the placeholder text 'Enter Username'.
- Password**: A label followed by a text input field with the placeholder text 'Enter Password'.
- Retype-Password**: A label followed by a text input field with the placeholder text 'Enter Confirm Password'.
- Submit**: A button with the text 'Submit'.
- Already User?**: A label followed by a blue link labeled 'Login'.
- Home Page?**: A label followed by a blue link labeled 'Click here'.

The Windows taskbar is visible at the bottom of the screen, showing the Start button, a search bar with the text 'Ask me anything', and several application icons. The system clock in the bottom right corner shows the time as 10:53 PM on 11/3/2015.

Home Page:

This page will allow the Logged in user to post his/her blog and also allows to view his/her all the blogs he posted.

Below screenshot shows that user “Akhil” has logged in and now he can post his blog. As this user hasn’t posted any blogs yet, this page doesn’t show any blogs below recent posts.



When user “Akhil” post his blog, this page will get updated and shows the blogs that he has posted with the date and time in a reverse chronological order.

