

Purpose

This web application allows the user to find the student address by the student number. Each student can have multiple addresses, and this app will show the list of addresses belong to the student. The app is implemented with Spring Boot, and H2 In-Memory Database is used for a quick demonstration.

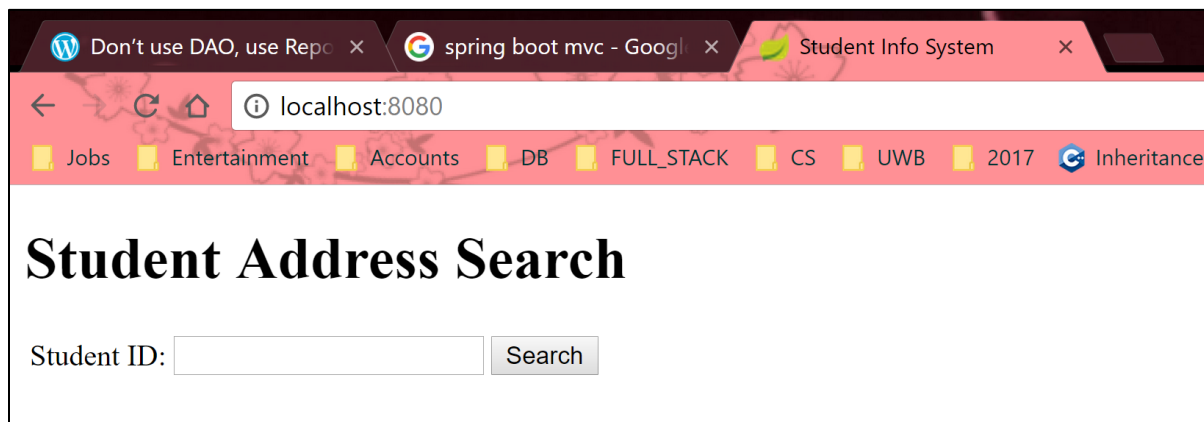
To execute the app, follow the steps below:

Step 1. Type `java -jar studentapp.war` on the command line.

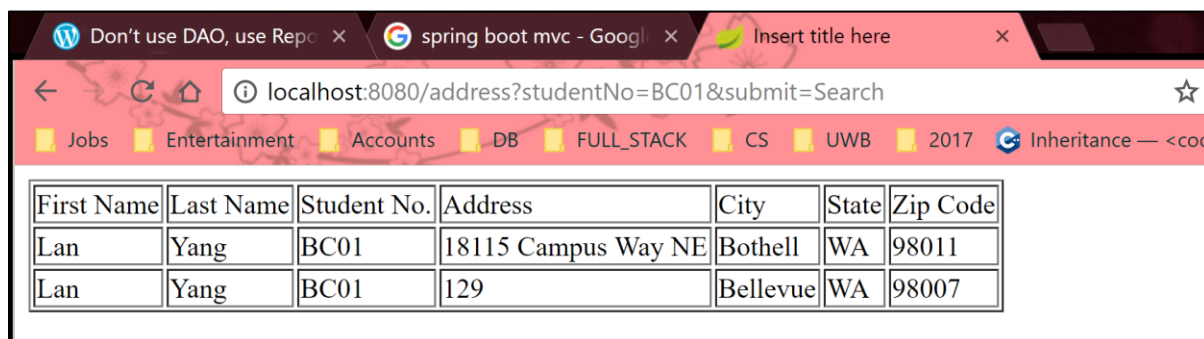
Step 2. While the app is running, type <http://localhost:8080/> on your web browser

Step 3. Enter student number (BC01, BC02, or BC03) to search the student address.

Sample Output



The screenshot shows a web browser window with the title "Student Info System". The address bar shows "localhost:8080". The page has a red header with navigation links: Jobs, Entertainment, Accounts, DB, FULL_STACK, CS, UWB, 2017, and Inheritance. The main content area has the title "Student Address Search" and a form with a label "Student ID:" followed by a text input field and a "Search" button.



The screenshot shows the search results page with the URL "localhost:8080/address?studentNo=BC01&submit=Search". The page displays a table with the following data:

First Name	Last Name	Student No.	Address	City	State	Zip Code
Lan	Yang	BC01	18115 Campus Way NE	Bothell	WA	98011
Lan	Yang	BC01	129	Bellevue	WA	98007

Initial Mock-up

Student Info System

← → ✕ 🏠

http://localhost:8080/

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Search student addresses. Enter the student ID.

Student ID

Student Info System

← → ✕ 🏠

http://localhost:8080/address?

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First	Last	Student No.	Address	City	State	Zip
Lan	Yang	BC01	18115 Campus Way NE	Bothell	WA	98011
Lan	Yang	BC01	129	Bellevue	WA	98007

Database

This database is designed for a quick demonstration of this web application. There are three students are registered in the database. Two students have two addresses, and one student have one address only.