09 Prove: Project 2 Design

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CS 313

Project description

States Visited Tracker: this application will allow the user to record U.S. states visited, displaying a map of the U.S. The states visited would show one color, and states not visited would show another color.

Data Layer

I will be using a database. The database table will be:

- U.S. States
    - state id (primary key)
    - state name
    - visited
    - user visited (related to user id of User table)

If time permits, I would like to add a user table to facilitate keeping track of multiple users, which would include user authentication.

- User
    - user id (primary key)
    - user_name
    - user_password
    - user first name
    - user last name

Web Service Endpoints

The endpoints will be: name of state visited.
If time permits me to incorporate user sessions, additional endpoints will be: user first name, user last name, user name, user password

User Interface

The interface will include a either a form for user input (multiple answer lists), or a list of states with checkmarks next to their names, or just the map that allows user to click on the state to change it from not-visited to visited. Visited states will be displayed in a different color or a colored layer will be applied.

User input will cause the database to be updated so that future sessions will display current data.

User Accounts / Sessions

If time permits, the application will allow multiple user accounts. Each user account will maintain its own data, which will allow a personalized map experience.