A close up of a blackboard

Description automatically generated

**Rebecca Dohrman**

**Service Layer Design**

**SWDV 691 Capstone Week 3**

**Service Endpoints:**

**Login Form:** This would be used to allow a user to login with an account they already created.

* Request: GET/username/password
* Response IFFOUND: Checks if user authentication is correct in PostgreSQL User Table. If so, user is logged in to system.
* Response IFNOTFOUND: Checks if user authentication is correct in PostgreSQL User Table. If not, user goes back to login screen and error message “This username and password is not found in our system.” is displayed.

**Create Account Form**: This would allow someone to create a new account on the website.

* Request: POST/username/password
* Response: New user created in PostgreSQL User Table

**SubmitTopTen Form:** This is where a logged-in user would submit their top ten items for a particular traveler in a particular city.

* Request: POST/username/city/travelertype/TopTenContent
* Response: A new row would be entered in the TopTen database with the City and the Top Ten items that the user submitted. The traveler type would also be attached to allow for filtering. The username would also be stored with it so that people would know who submitted it.

**ViewTopTen Form:**

* Request: GET/city/travelertype/TopTenContent
* Response: The database would filter based on city and traveler type and display all items of the database that match the city and traveler type so someone could go through them and review the suggestions.

**Diagram of Service Layer:**

A close up of a logo

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**JSON:** Stored in GitHub [here](https://github.com/Rdohrman/SWDV691Dohrman/blob/master/servicelayer).

A screenshot of a cell phone

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