CS/WEB 4000: Dynamic Web Development

Assignment: Slim

Requirements

- Use the **Slim Framework** for PHP to create a RESTful HTTP API that provides read and create capabilities for a single resource.
- Use **PDO** to implement the code that connects to and interacts with your MySQL database.
- Using Slim, implement the routes and templates necessary for the following RESTful actions:
  - **index**: Display or return all records in the database for the resource.
    
    URL examples: `GET /students` and `GET /students.json`
  - **show**: Display or return all fields for a single resource record, according to the `id` of the record specified in the URL.
    
    URL examples: `GET /students/:id` and `GET /students/:id.json`
  - **new**: Display an empty form to allow the user to create a new resource record. The form should **POST** to the **create** action.
    
    URL example: `GET /students/new`
  - **create**: Create a new record in the database using the posted data. Display or return the fields for the created record.
    
    URL examples: `POST /students` and `POST /students.json`

- With the exception of **new**, you should implement both HTML and JSON responses for each action. For **new**, only an HTML response is necessary because consumers of the JSON API do not require a form.

Resources

- Refer to the **Slim Framework documentation** as needed when completing your assignment.
- Refer to the **PDO documentation** for examples of using PDO.

Submission

- Show your completed assignment to the instructor during class or office hours to receive credit.