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.