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.