ITMD:469/569 - Week 6 Homework

Travis Smith

Homework Summary

Now that your REST API supports GET, PUT, POST, and DELETE requests, it is set to accommodate HTTP clients. Upon examining the sample test programs provided, you'll observe that each time a new HTTP client is created, the relevant request is dispatched to the corresponding route specified in the main.go file of the webserver.

The supplied test program illustrates the results of executing PUT, POST, and DELETE requests. Your assignment for this stage is to construct a test case for the GET requests. Despite the possibility of manually accessing the routes in your browser to execute GET requests and examine the JSON response, the goal is to facilitate this process through automation.

Instructions

1. Begin by navigating to the tests directory. Within this directory, create a new file named "get_test.go" The suffix "_test.go" signifies that this file is destined to contain a test function.
2. Next, create a testing function, which we'll name TestGetHandler. This function should receive a pointer to the testing type T.
3. You're now ready to send an HTTP GET request. The aim of this request is to retrieve data from one of the available courses. Feel free to select any course of your preference.
4. Once the HTTP response is received, decode it into a Course type. You're provided with the required Course type from the previous tests.
5. After decoding, verify whether the course CRN matches your expected CRN for the chosen course. If there's a match, your test has been successful, and you may exit the test (return).
6. Conversely, if the CRN doesn't match your expectation, it signifies a failure of the test.
7. As you work on this task, consider referring to the other test cases provided. These can serve as useful examples and guides in your process.

Submission

Please compress your source code into a ZIP file and upload it to Blackboard. Additionally, attach a separate screenshot demonstrating your code running successfully.