Activity 5

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Grand Canyon University: CST-256-O500

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**Repository Info**

**GitHub Repository**

The project is hosted at: <https://github.com/DanielCender/CST-256>. This assignment’s code is contained under the folder ‘activity5’. No vendor information was pushed with the project code, so all Composer dependencies will need to be installed prior to running ‘php artisan serve’. This application was served using Valet, just as a reference.

**Bootstrap**

This section went over defining some basic Bootstrap template layout changes using the Bootstrap Studio application.

**Screenshots**

1. Edited Bootstrap template page (index.blade.php)

Graphical user interface, text, application

Description automatically generated

1. Using blade templates to section out the new index page.

Graphical user interface, text, application

Description automatically generated

And with the smaller form factor, which shows the hamburger menu:

Graphical user interface, application

Description automatically generated

**Laravel RESTful Services**

This section introduces methods to streamline creating REST APIs using Laravel and Artisan.

**Screenshots**

1. Initial results (in browser) from the User resource REST handler (/usersrest, /usersrest/1, and /usersrest/2)

Graphical user interface

Description automatically generatedGraphical user interface

Description automatically generatedGraphical user interface

Description automatically generated

1. Initial results from User resource REST handler (/usersrest, /usersrest/1, and /usersrest/2).

Graphical user interface, text, application, email, website

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Results of using the Guzzle client controller.

Querying all users:

A screenshot of a computer

Description automatically generated

Querying user with ID of 1:

Graphical user interface, text, email, website

Description automatically generated

Querying user with ID of 2:

A screenshot of a computer

Description automatically generated

**Middleware**

This section introduces middleware techniques for writing more efficient codebases and APIs.

**Screenshots**

1. Logging statement when custom middleware handle method was called.

Text

Description automatically generated

1. Implemented a username caching feature with middleware. The screenshots validating the storage and subsequent expiration of the ‘mydata’ key are below.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

1. Created a security filter middleware. Below are the screenshots of log records illustrating the middleware checking for secured routes and properly redirecting the user.

With no redirect required.

Text

Description automatically generated

And with a redirect required.

Graphical user interface, text

Description automatically generated

**IoC Service Provider**

This section introduces Inversion of Control techniques to inject logging functionality into a controller.

**Screenshots**

1. Logging statement when custom middleware handle method was called.

Graphical user interface, text, application

Description automatically generated

References