King James Digital Assessment Documentation

Prepared for: King James Digital
Prepared by: Josh Harington
07 June 2021

EXECUTIVE SUMMARY

Objective

Build a web based portal to display clear use of different role-based users, with the ability to create products and display them to a user. There should be four roles: Client, Author, Publisher and Admin with different abilities outlined under "roles" in the requirement document provided by King James Digital.

Framework

The framework that was used is Laravel 8, with Livewire and TailwindCSS for the frontend as the role is for PHP development, and Laravel is my favourite PHP framework.

Environment requirements

To setup the app to run in your own environment you will need:
- PHP 7.3+
- NPM 6.14.11
- Composer

Download the project

To download the project from Github, enter the following into your terminal:
NB: Make sure the terminal is pointing to your desired host directory, ie: Documents/Github is the folder that contains all the GitHub projects that I work on.
- git clone https://github.com/joshharington/kjd-assessment.git
- cd kjd-assessment

Pre-Install

Before you can setup the code and run it, you will need to have a database already setup and configured. You can create a MySQL database on your local machine and specify the connection details in the .env file inside the root project folder (/kjd-assessment).

The keys you will need to update are:
- DB_DATABASE
- DB_USERNAME
- DB_PASSWORD

KING JAMES DIGITAL ASSESSMENT DOCUMENTATION

Install & run the project

To install and the project, enter the following into your terminal:

NB: Make sure the terminal is pointing to your desired directory, ie: make sure you run these commands from the kjd-assessment directory.

- composer update
- npm install
- php artisan key:generate
- php artisan vendor:publish —all
- php artisan migrate
- php artisan db:seed
- npm run dev

NB: If you used the sql dump to create the database, it already has the tables and data, so you don't need to run the *php artisan migrate* and *php artisan db:seed* commands

Once the above commands have all completed, you will be ready to run and access the application. To run the app, enter the following into your terminal:

php artisan serve

You should now be able to access the application in your browser at: http://localhost:8000

Login details

When seeding the database (php artisan db:seed) it created user accounts that you can log in with:

- admin@test.com
- author@test.com
- client@test.com
- publisher@test.com

All of these accounts use the same password - **12345678a!**

Common Problems

Common issues that might arise are:

- database connection, make sure that the database connection has the correct info in the **.env** file.
- File permissions, you may need to change the file permissions of the storage and bootstrap directories. The correct permissions for these folders / files are: 755 for the folders and 644 for the files. For local development, you can give the folders a permission of 777 recursively - but NEVER do this on a live server. This will give anyone read, write and execute abilities in the directory, and is a major security vulnerability. You can find more info on this here: https://stackoverflow.com/questions/30639174/how-to-set-up-file-permissions-for-laravel