Aspire REST API

Laravel Code Challenge

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Introduction

It is a simple REST API's for the private loan application. Authenticated users can able to request loan from lenders through loan application. Based on approval, loan will get sanction and repayment will start as per the term which customer mentioned in the loan request.

Prerequisites

* PHP >= 7.4
* Laravel >= 8.45
* MySQL >= 10.4
* Postman

Overview

This application have three different REST API to achieve the above requirement.

Brief Summary

To access this application, the user should be registered with us and authorized user can able to avail the benefits.

1. Login API:

User should login this application with registered credentials like email and password. Once user tried with credentials it should be success or failure. For success response API will return authorization bearer token. In further access of API and user account, we need to use this token along with other request headers. For failure case, user will get error message along with failure status.

1. Loan Request API:

After successful login, user will take into loan request section. Here user can enter required amount and repayment term details. Loan amount could be any digits from one (1) and loan term should be numeric value (0 - 9) and it’s considered as weekly repayment mode (7 Days). Upon user request, authorized people can approve / reject the request. By default, it’s approved mode and loan status is open status in current API.

1. Loan Repayment API:

Once loan gets approved, user can start repayment as they mentioned in request section. Repayment amount calculated based on the loan term. Let’s assume user requested 10,000 and loan term is 5. Once loan is approve, user should repay 2000 per week. In case, if user repay more or less in a week, then system will not allow to proceed further and user will get warning notification from the app.

Installation

1. Clone or download this repository

$ git clone https://github.com/DhineshRepo/Aspire.git

1. Run in project folder

$ composer install

1. Rename the .env.example to .env

Configure your desired environment variables.

Migration and Seed

1. Run in project folder

$ php artisan migrate:fresh –seed

1. In this demo, have used laravel-passport package, which should install before start.

$ composer require laravel/passport

1. Run in project folder

$ php artisan passport:install

$ php artisan passport:client –personal

Test credentials

* User email account available under 'Users' table 'email' column.
* All seeded accounts use 'aspire@123' password as well

Postman Setup

* Import Aspire.postman\_collection.json file into Postman Collections
* Configure postman environment variable as your application root path

\*\*\* Thank You \*\*\*