Web Based API Simulator/Developer-Portal

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Computer Science

Backstory

The library for Accutech's flagship product, Cheetah, has been growing exponentially since the product launched. As the product scaled up, it became overwhelmingly apparent that they needed a more detailed source of documentation for not only their employees but also their clients. What Accutech requested of us was a developer portal that "will allow clients and software developers to discover API capabilities and provide developers a space to test out API functionality…Inspired by Spotify, Slack, and Plaid."
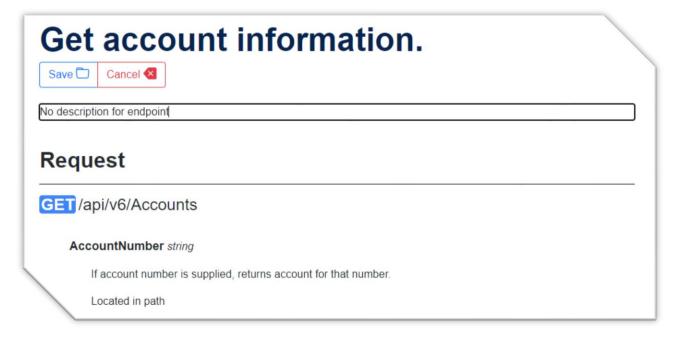
Conclusion

This project taught us several lessons about not only software development, but also teamwork and client interaction. Through our work over the last 8 months with Accutech we've learned a meaningful portion of what it means to be a part of an actual professional development team. Through many hours of hard work and dedication to this project, we've gained much knowledge and experience that will most certainly help us in our careers as software engineers. We'd very much like to thank Accutech for trusting us with this immense task.

Overview

For this project we have been tasked to construct a user friendly and more comprehensive Cheetah developer portal that will contain detailed documentation of each endpoint in the Cheetah API. The information on this developer portal will allow clients and software developers to discover the capabilities of the API. It will also be a space to allow developers to test the functionality of the API with live parameters and responses.

Tech Stack

ASP.NET MVC Web API

Vue.js

Microsoft SQL Server

Features

✓ API Sandbox Console
✓ Dynamic Endpoint Editing
✓ Integrated Login/Authentication
✓ Dynamic Data Loading
✓ Common Code Workflows

Client Information

Accutech Systems Corporation

Clients
➢ Cam Dowless
➢ Trey Gourley

Project Mentor
➢ Ryland Babusiak

BSU CS Mentor
➢ Huseyin Ergin, Ph.D.