

AWS Visual Configuration App

CS 495
Fall 2020

Team Members

- Joshua Kennedy
- Wyatt Lawrence
- Noah Connolly
- Benjamin Furlani
- Nick Hammerstrom
- Ben Lawson (mentor)

Client Information

- Mr. Trey Gourley
- Accutech Systems, Muncie, IN

Mentor Feedback

- In the mid-iteration meeting, our mentor, Ben Lawson, suggested that, because we were having difficulties with AWS SDK, that we focus on making the UI, and then using C# MOQ to fake the API calls and data. However, we ultimately decided to focus on making real API calls and getting real data, even if that meant turning in a rudimentary UI for Iteration 1.
- In the pre-client meeting, our mentor suggested we add a way to manage save files, as well as adding a logout button. Mentor also recommended having a common interface that all the AWS services can use to be added to the UI. We plan on adding this to our software if it turns out we do have a lot of repeated code among our various AWS services.

Client Feedback

- Client suggested we have a refresh button, so that, if the user logs into the AWS console and changes something, then hits refresh in our software, the change will show up. He also said something we should consider is supporting multiple accounts, as a lot of IT groups create separate accounts for groups of services. For example, if he's in a company and has 3 products, he will create 3 different accounts.
- Client asked us our thoughts on error logging. He said with logging in .NET, there are two main libraries: Serilog and NLog. He said Microsoft has a logging API inside the .NET framework, and essentially, Serilog extends upon that. He also said if you run it in Visual Studio, you can differentiate between debug, warning, critical, info, and the other error types.

Iteration 2 Features

- User can stop running AWS services
- Software has a refresh button, to check for changes in AWS services/instances
- User can manage/delete save files
- User has a logout button
- Software connects and gets data from RDS and ECS AWS services

Interesting Slide: Siberian Forest Cat

