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Stock Portfolio Website

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Abstract

•Provide a centralized platform for managing stock portfolios to have a better understanding of your portfolio.

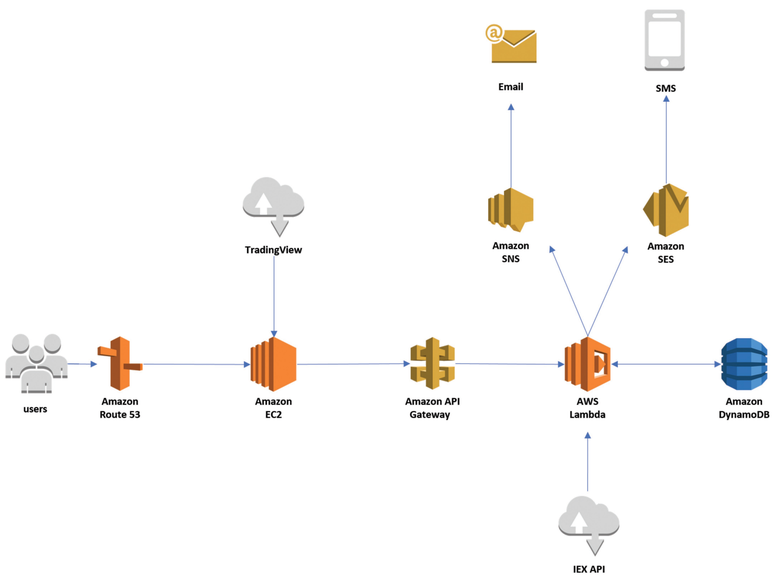
•Send SMS/Email alerts based on a variety of triggers such as price, volume, P/E ratio, and percent change in price.

•Maintain real time stock information by using API service.

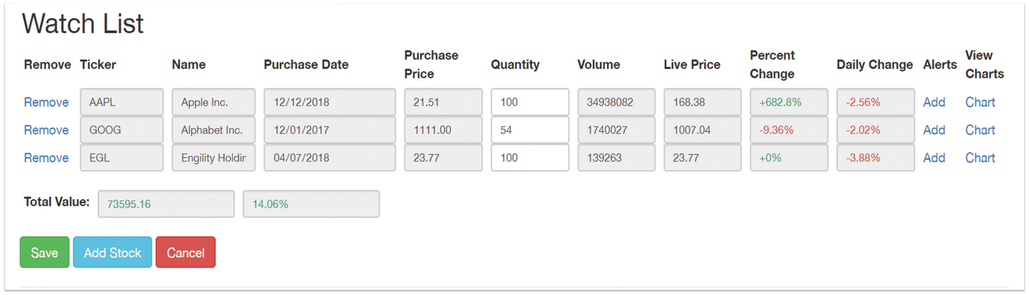
•Keep site low cost and easily scalable by using Amazon Web Services.

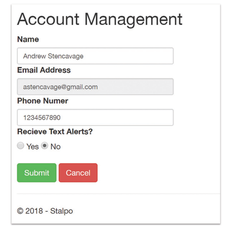
•Keep user accounts secure while maintaining accessibility using Google OAuth.

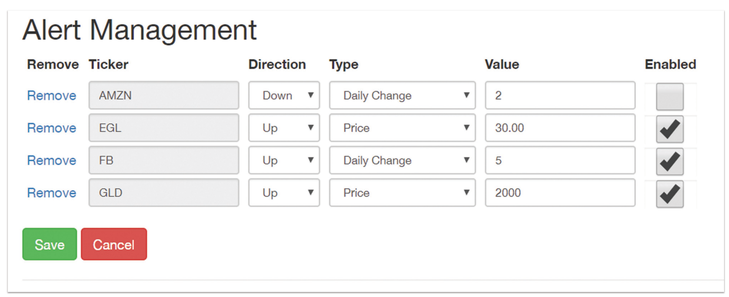
Architecture

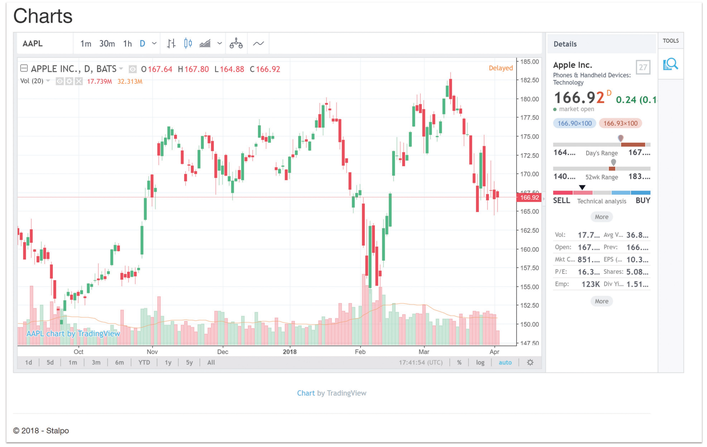


Application









Technologies Used

JS
Windows Server
Microsoft .NET
HTML 5
OAUTH
amazon web services

Future Development

Amazon Lex –
This will allow users to interact with our application through a “virtual-agent” that we can either attach to an SMS-service such as Twilio, or various chat sites such as Facebook or Slack.

Complex Alerts –
This will allow our user to construct alerts based on more than one trigger, allowing our users to make better decisions.

Advertisement –
Seeing as we plan on being a free site, we need a way to cover AWS costs. We can add unobtrusive advertisements on the screen to provide a sourceof income without lowering user-experience a great deal.