

Project Introduction

- Why did we undertake this project?
 - In order to make sound investment decisions, both in depth and big picture analysis of investment quality are very important. Each member of our group decided to undertake this project due to an initial interest in finances and the stock market, as well as an interest in learning how to develop a fully functional mobile application.

What generated the idea?

- The idea for this application was to supplement an investor's investing experience by providing data based on the quality of their investment compared to relevant benchmarks and to allow them to make better decisions regarding their investments based on the performance of said benchmarks

What goals did we have?

- We first and foremost wanted to create an application that was simple to use. For this reason, we used Xamarin in order to develop the application cross platform, as well as to create a user experience that was both informative and simple



Investment Performance Mobile Application

Tyler Jones (jonesty@oregonstate.edu), Samuel Cooney (cooneys@oregonstate.edu), Aviral Sinha (sinhaav@oregonstate.edu)

HedgeServ

Client: Edison Tsai

Track your investment portfolio on the go in real time with complete ease!

Project Description

- What did we do?
 - To give users unique insight into the quality of their investment choices, we built an application that would give users the chance to compare their investments, both on an individual level, and as a complete portfolio, to popular/relevant financial benchmarks

How did we do it?

- In order to reach as wide of an audience as possible, we developed the application to be cross platform, both iOS and Android. Xamarin allowed us to build the business logic and backend of our application in C# and permitted us to create dynamic and elegant user interfaces for both platforms with ease.

Why did we do it in this way?

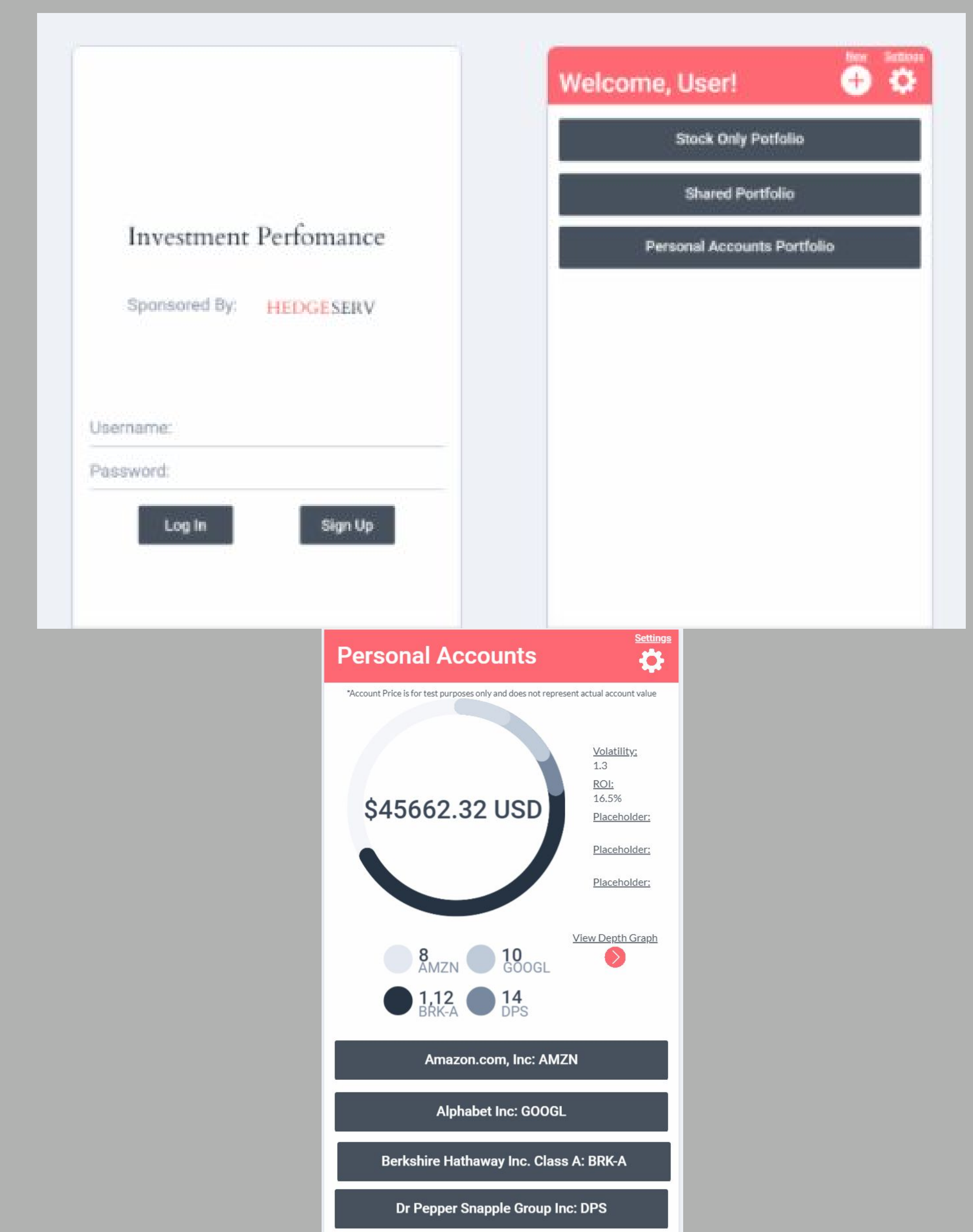
- Xamarin provided us with the unique advantage of creating one common codebase for the business logic and backend of our application. Having to write within a common IDE and learn only one language rather than iOS (Swift) and Android (Java) individually sped the development process up greatly, and allowed us to worry about the important aspects of our application.



Pictured left to right: Tyler Jones, Samuel Cooney, Aviral Sinha

Results

Currently still in development so we'll explain what we currently have. Our application consists of a dynamic database that pulls user data as well as financial data to form a from various sources. We also have a implemented Quandl to continually update our data daily automatically. Through Xamarin we are able to create a very succinct user interface that allows the user to easily view their investments without having to navigate through a complicated maze of data. (Will include images of final product)



Conclusion

There are many unique design decisions that can be made in app development that really forced us to choose what style we wanted our app to represent. Since we valued on-the-go speed, we decided a simplistic design would allow our users quick access to all pages of the UI.