Overview

The goal of this project is to create a function application that will allow a user to log in and view information regarding their bank account. They will be able to view both checking and saving accounts. They can view their balance, transfer money between accounts, view their account history, gain interest, and view their interest. The users will be able to do all of this with a graphical user interface, making the process easy for any user.

The project is entirely based in Java, and used several Java libraries to meet their requirements. The project also requires a MySQL driver that will be included as an external JAR so that the program can access the database. The database that is being used is a MySQL database. This is hosted on Amazon Web Services and open to all access so that anyone, anywhere can access their accounts with our service. Because the database is hosted on Amazon Web Services, the application will have one hundred percent uptime. Also, because the application is written in Java, the application will be able to run on any device that is capable of running Java, ensuring that the availability of the application is almost always ensured.

Each individual group member made valuable contributions to the project. Each group member was willing and able to go beyond what was assigned to them for the week and helped any other group member, working on any other documentation or code. However, each group member was assigned a specific part of the application that they owned and were mostly responsible for. Matthew was responsible for the session manager, Ken was responsible for the Graphical User Interface, Conor was responsible for creating, managing, and maintaining the database, and Lennon was responsible for the interest calculator. These were not strict assignments, but doing so made it easier to delegate work and make decisions. Due to the group making design choices before coding, it made coding the project much easier as all group members were aware with how their part interacted with other parts. Each group member helped equally with the design documents. Before the pen was put to paper, there was heavy discussion in the Group Project Discussion Board as to what choices would be made. Then after one or more members wrote the document up, the group would deliberate as to what changes or improvements could be made.