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Banking Management System

# Proposed team

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# Overview

In this project, we are proposing to create a banking system for the company American Express, which will include an ATM software system in which they can withdraw, transfer or and check their balance and a website where they can log in to the system and do the same functions plus, they can register new account.

# Customer

The system will be specifically designed and easy to use for a well-known banking company in the United States, with headquarters located in New York City, New York.

The name of the Company is American Express with a revenue of 43.66 billion USD.

# Product

This product is a website and Windows/Desktop application which will be used to maintain data flow between the companies and will use the same database as the website and includes all from registering new clients, transferring, and withdrawing money.

# Users

Clients need to apply to the company so that they can be registered in the company’s database which has specific requirements.

The clients are then given an account in our database with username and password protection, in which they can use it to check their balance and they can see all of their transactions and history when they were made.

Clients will also have a function that they can send/receive money from other clients based the given information.

# Management

We agreed to continue with the agile life cycle model due to the reason being that agile project management focuses on a continual and flexible process which allows us to integrate and input new ideas throughout the progression for this project, while not affecting the entirety of the project.

# Communication

Knowing that we will be working a group of four, will use Discord for online meetings and communicating in between the team and E-mails for any other information. The work will be managed in GitHub were all engineers have access to.

# Breakdown

The project will be broken down into several parts, like Front-End development for the website, Back-End development for the server side, database diagram design and implementation and also the documentation and presentation.

# Effort estimation

For this project we estimate to work in 40-45 hours per week. (This might extend to 60 hours per week depending on the workload we might encounter) this applies for all members of the group.

# Technological stack

For the completion of this project, we agreed to use the .NET framework which will allow us to use HTML, CSS, JavaScript (jQuery if needed) and C#, also with the .NET framework we will use the Winform App to build the Windows/Desktop Application, we will be also implementing the Bootstrap framework for additional functions, and to store the data we will use the Microsoft SQL Server.

# Reporting

In addition to having a PowerPoint presentation we will also have a documentation for this project which will go over all the functions implemented in this project, and if needed we will have a demo or prototype of the project.

# Additional information

As we know, banking companies operate based on the law on which country the company is located in, and for this project we feel it is only right that we work based on the banking regulations of the United States of America and other legal regulations that we are required to follow for the development of this project.