

System Description

Currency is a very vital element for an economy to function since the economy depends on monetary transactions being made from people to other people in a cyclical system continuously which keeps the country's financial stability intact. But as we have recently seen, due to life-changing events, whether it be a natural disaster or a pandemic like Covid-19, the economy cannot run forever without stopping and once it stops, everything stops. This is known as a recession and can lead to negative economic growth or no economic growth which is bad for the country's financial stability which everyone depends on. This catastrophic phenomenon can lead to unemployment rates skyrocketing, companies going out of business and leading people into poverty. One known instance of this would be the Great Depression in 1929. But to prevent this from happening in the future, I have developed a very convenient and user-friendly banking system which is complied primarily on Java but uses SQL Server functionality to keep customer information safe and secure while in the confidence of the bank and customer.

The banking system has 3 main products which include, a savings account, chequing account or a credit account. The savings account is open to anyone of age while the chequing account and credit account is for individuals above 18. Currently, customers can only have one of each account but can make unlimited transactions without any extra fees or commission to ensure customer satisfaction and financial stability. In addition, the system has many functionalities that customers can utilize to have splendid banking experience.

One of the first options allows the customer to create an account in which they can have all of the accounts if they wanted if they are above 18 and are uniquely identified by their SIN number which is kept safe and secure from wandering burglars. In addition, the customer can later delete his account if they felt like their experience might have been lower than expectations which is fine since we delete all data and keep nothing in the servers. Then, the customer can sort by last name or sin number to see all customers in the database that are present and can later search their profile if it exists to indulge in some fun monetary transactions that can deposit money, withdraw money, pay credit bill, process a cheque, purchase an item, transfer funds between accounts and in conclusion allow fluidity between customer's funds. All these transactions are also tracked by our state of the art database and can be accessed to make sure all transactions went smoothly.

Then there is an additional explore sub-menu which allows customers to check who has the most money and who is using their account the most and just learn fun facts about the bank system which thousands of people use for their day to day expenses. This system was made on the idea of withstanding a catastrophic event by maintaining financial stability within an economy so people don't need to worry about where their money is going and coming as we take care of that. We are proud to be a part of this cause and hope to do more in the upcoming future.