

Project description

It is a very common practice for a company/person to apply for a bank loan in order to obtain more funds. However, the bank has to make a decision whether that company/person is trustworthy and entitled for a loan. A usual procedure is to look at the annual statements, however those can be outdated. Banks want more “real-data” and that is where the MT940 file is useful. It contains an overview of the bank activity over a certain period of the time, including the amount of money in the account, the transactions etc. Thus, our application uses this MT940 file to analyze and provide some information about the financial situation of the company/person.

First The bank employee has to upload a file with the 940 extension and our application parses the information from the file and outputs it in the form of an easily readable table. Therefore, the bank employee can view all the transactions from the file and also an assessment of that transaction. Each transaction is labeled to be either trusted or not. This assessment is based on several criteria, for instance if the transaction specifies the IBAN of the receiving side or if the transaction has a description. It also looks if the numbers in the account and transactions match up.

Likewise, we have several diagrams and charts that visualize the data from the file. For instance we have graphs that show how the amount of money changes over a certain period of time. Likewise, the bank employee can ask for such information as the minimum/maximum/average amount of money that was in the bank at a given time.

A very important feature is the loan decision that the application takes. We use an algorithm(to be described) that gives a yes/no response : Whether that company/person should be granted a loan.

Thus, a bank employee can use our application to analyze real data from the MT940 file and use that information to make a loan decision. He can also use the decision taken by the software, which is based solely on the file.