

SOEN Tryout - Dank Bank

The project you have received is to implement a web application for a bank. This bank has some fundamental requirements they need you to implement and other nice to have features, they are also always thinking of new features. The bank understands that you might not have the skillset to build a web application and are willing to settle for a traditional desktop application however, the value of the contract will decrease. Their current backlog is as follows:

[Priority: HIGH][Story points: 13]

Accounts for clients, client can log in and out to see their current bank balance.

[Priority: HIGH][Story points: 3]

Clients can withdraw money from their accounts but are charged a 5% fee.
(5% of the withdrawn amount is deducted from the total balance)

[Priority: HIGH][Story points: 3]

Clients can deposit money into their accounts.

[Priority: LOW][Story points: 13]

Clients can upload a picture of a cheque to deposit in their account.

[Priority: LOW][Story points: 5]

System is dockerized and easy to run.

The amount of story points completed will dictate the score received for the requirements portion of the grading. Solutions developed using Node.js and Typescript will be preferred. You are allowed to use the internet and any boilerplate/starter code available. No cheating is allowed. Teams of three are optimal, if this is impossible accommodations can be made.

The software must be shipped with precise instructions on how to run the system and the fewer steps the better. Systems that cannot be run will result in a requirements grade of 0.

Submission can be done either by adding us to your GitHub repository (usernames @jacobrs and @lori-dalkin) or through email with a zip file and a subject line with all your team members' names to competitions.scs@ecaconcordia.ca.

Grading

Total: 100%

- 50%** Implement as many of the requirements above.
- 15%** User interface is graphical and user friendly.
- 10%** Proper use of version control system to develop the software.
- 15%** Code quality and architecture.
- 10%** Software is delivered with adequate Automated Tests.