

Register for new account

First Name:

Last Name:

User Name: ☐ @yg.com
☐ @qc.edu

Password:

create a account

Register for new account

EMAIL CLIENT

Register

Log in

Login

User Name: ☐ @yg.com
☐ @qc.edu
☐ @lmb.gov

Password:

Login

Welcome! akp

Log out

Inbox

Sent Items

Drafts

Compose

Deleted Items

To: ☐ @yg.com
☐ @qc.edu

Subject:

Send

Save as Draft

Discard

PROJECT REPORT

Email Client

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Document Description

Mission Statement

“To create an email client that is both easy to use and has the capability to handle multiple users.”

Who are we

We are all a group of 5 students who for the most part are beginning our senior year in Queens College. We consist of Asma Pasha, Jiening Li, Louis Deng, Christian Bonifacio and myself.

Goal

Our goal for the email client is to create an email client that has the capacity of being able to handle multiple users by implementing a database instead of text base, and also in the future to be able to host the database in the cloud therefore the information and user data is secure and available.

About this Document

This document explains some of the theories, methods and process used in order to achieve the completion of the creation of the software for the Email Client.

Debugging Procedures & Testing

Process Model

Still using the same tools for collaborating for Calculator application which were that whatsapp for communication, google drive for version control and java in eclipse as a prefer language. There was more complexity and learning curb when it came to the implementation of SQL and JDBC. We splitte the work by assigning who takes care of the GUI and who handles the backend. My self being part of the group who focused on the database, like myself we had issue installing and implementing some of the methods necessary.

Out of the 3 models that we consider earlier from waterfall model, incremental development, and reuse-oriented software model. We continued using the incremental development approach mainly because of democratic decision and also cause it was a method we felt comfortable collaborating.

Requirement of Engineering Process

- *Feasibility Study*

For Feasibility like mentioned before satisfaction, cost effective, existing budget, study time spend. The important for this project was the functionality and satisfaction which it came a little costly because the study time spend for this project was a lot due to the lack of knowledge to install the JDBC, learning SQL query commands, learning how to implement this queries in the JDBC by learning how to implement JDBC methods and how. This was very time consuming but it definitely was worth doing so for the speed and the reduction of complexity in the programing.

- *Requirement Elicitation and Analysis*

Now for requirements we are using

Java:

java version "10.0.2" 2018-07-17

Java(TM) SE Runtime Environment 18.3 (build 10.0.2+13)

Java HotSpot(TM) 64-Bit Server VM 18.3 (build 10.0.2+13, mixed mode)

JDBC:

mysql-connector-java-8.0.12" version.

MySQL:

MySQL Workbench 8.0 CE

- *Requirement Specifications*

As for the requirements is that in order to see the functionality of the Email Client we need to be able to have MySql running locally with configurations for the databse is user "**root**"

and password “Maitian123” and to download the DATABASE file from the Zip file which is preconfigured with all databases and sample data.

- *Requirement Validation*

As for the realism, consistency, completeness, and further more on future modification. We choose to use the database MySQL specifically considering that in the near future we can host it in GoDaddy which also has PHP and MySql as database. For completeness we would like to make the code to be more simple and concise. There is repetition on the code for when every class when it request the connection, and as for further modification, we need to implement security protocols and improve the data management.

Presentation of Demo

Testing process

The initial task was to create the GUI in order to have a look and feel of the program and once the GUI was done we were able to implement the connection and be able to display it with proper methods. The issue was that once the GUI was done, we had functionality in my computer but not everyone else did and there was a lot of time wasted because of this.

- *Acceptance Testing*

On the day for the demo we had a basic GUI but the functionality of the program was still incomplete due timing. From this we decided to meet three hours before the class in order to discuss changes, code and fix bugs, and plan future tasks.

Additional Test

For additional testing needed is to check simultaneous users sending emails and to see how both the workstation and database would react, implement some methods for to encrypt information for when is send to be hosted in GoDaddy and definitely to improve the GUI to make it more easy to see and use plus to provide an excitement to the users, some of this are like putting images and sounds.