MAIL SIMULATION APPLICATION DEVELOPMENT

INTRODUCTION:

This project is to develop a Mail Simulation for Final Assessment. This document contains the workflow of the system and some information on how we develop the functionalities in each of the modules.

PROBLEM STATEMENT:

People use to communicate through letter and telegram, which is not faster. So mailing system got introduced to overcome this problem. Mail Simulation Application is an application where user can interact with each other through mail. This project doesn’t deal with any SMTP or IMAP, it’s just a simulation and created by using database and java code.

MODULES:

* Login
* Register
* Home
* Change Password
* Inbox
* Sent Items
* Delete Item Page
* Compose Mail Page
* Draft Page

TOOLS:

* Eclipse IDE Tool for Backend Spring with HibernateJPA.
* VS Code for Frontend Angular.

SYSTEM IMPLEMENTATION:

1)Login page contains following information:

* Text box to enter email id
* Text box to enter password
* Login button to login into the application
* Hyperlink to request for forgot password
* Hyperlink to register to the application

2) Register page contains following information:

* Text boxes to enter required data.
* In that email id and password are mandatory
* Register button to register as a user
* Hyperlink to go to login page

3) Change password page:

* Text box to accept the password
* Text box to accept the conform password
* Change Password button to change the password

4) Home page:

* Hyperlinks to open received mails
* Hyperlink to go to “inbox” (once login by default it will open inbox only)
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail”
* Hyperlink to “logout”

5) Inbox page:

* All mails displayed as hyperlinks with from-address and subject (if user click on this it will open the mail)
* Hyperlink in front of each mails to delete the mail
* Hyperlink to go to “inbox”
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail”
* Hyperlink to “logout”

6) Sent item page:

* All mails displayed as hyperlinks with to-address and subject (if user click on this it will open the mail)
* Hyperlink in front of each mails to delete the mail
* Hyperlink to go to “inbox”
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail”
* Hyperlink to “logout”

7)Deleted item page:

* All mails displayed as hyperlinks with from/to address and subject (if user click on this it will open the mail)
* Hyperlink in front of each mails to delete the mail
* Hyperlink to go to “inbox”
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail”
* Hyperlink to “logout”

8)Compose mail page:

* Text box to enter to-address
* Text box to enter subject
* Text area to enter message
* Send button to send the mail to the respective user

9) Mail page (this page is displayed when user click on any mail in the application):

* From/to address
* Subject of the mail
* Message content of the mail
* Hyperlink in front of each mails to delete the mail
* Hyperlink to go to “inbox”
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail”
* Hyperlink to “logout”

10) Draft page:

* All mails displayed as hyperlinks which is composed and not sent
* Hyperlink in front of each mails to delete the mail
* Hyperlink to go to “inbox”
* Hyperlink to go to “sent items”
* Hyperlink to go to “deleted items”
* Hyperlink to “compose mail

Roles and Responsibilites:

* Login
* Register
* Home
* Change Password
* Inbox
* Sent Items
* Delete Item Page
* Compose Mail Page
* Draft Page