**Software Project Documentation**

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**Project Name: Autotest**

**Developer: Mayur Patil**

**Project Description:**

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This is the mailer application that sends the emails from the given email IDs with mail body and the attachment. Each email is to be sent with the email’s Subject line of the sender's serial number & name and receiver’s name and their serial number associated with them.

For eg.for the first sender sending a mail to the fifth recipient write “1 JOHN DOE 5” .

**Project Purpose:**

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Purpose of this project is to automate the mail system to the multiple email ids from particular mail with identifying who is sending the mail to whom through the subject line of the mail..

**Technologies Used:**:

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Java, Spring Boot framework (STS), Rest Service, SendGrid email API

**How It Works?**

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1. So basically, first we will have four text files. First file is sender.txt. This file includes multiple email ids which we are using as a sender’s email id. Second file is receiver.txt. This file includes multiple email id which we are as a receiver’s email id. Third file is mailbody.txt. This is just a text file which has a paragraph that is going to be used in the mail body. And attachment will be attached in each mail. We will log in with the username and password. Username is email id and password is welcome@123. This is in sender.txt

2. Our application will take the 1st email id from the sender.txt. I.e. mayurpatil9277@gmail.com .

So, as this is the first email id from the sender.txt, we will put the no 1 before its name in the Subject line in the mail. Now this mail has to be sent to one of the receivers. In receiver.txt, our first email id is [patil.mandar77@gmail.com](mailto:patil.mandar77@gmail.com) . So this email id will also be placed in the subject line with their associated number. According to requirement, this receiver will get the mail with subject line in caps “1 [MAYURPATIL9277@GMAIL.COM](mailto:MAYURPATIL9277@GMAIL.COM) PATIL.MANDAR77@GMAIL.COM 1”.

3. Our program or application will read mail body text automatically and will take attachment file from the saved location.

4. In this way, if there are 5 email ids in sender.txt and 5 email ids in receiver.txt, Then each sender email will be sent 5 times to the receiver end with mail body and attachment.

5. All emails are verified by the send grid application. And Sendgrid Email API is used for sending and receiving email with the mail body and attachments.

**Technical Constraints:**

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1. While log in, Username and Password must not be null otherwise it will display an appropriate error message.

2. Like the same, sender.txt, receiver.txt and mailbody.txt files should not be null. We have also error message for that.

3. In the subject line, sender and receiver's name should be in Upper case.

**Output Screenshots:**

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