

Synopsis

1. Group member roll numbers, C numbers and Name:

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2. Problem Statement

=> Topic: Email stimulation

3. Keywords

=> i) smtp = to create server for sending email using smtplib

ii) sender_email = email address of sender

iii) password = password of sender_email

iv) receiver_email = email address of receiver

v) body = text body of the email

vi) subject = subject line of email

6. Abstract

Using Tkinter we created GUI for sending email. When user runs the program first it opens start window which displays GIF of email. After that login window is opened which takes login credentials of the sender. If the credentials given by the user is invalid then a message box is displayed which says that "Login is Unsuccessfull". Logging in into user's account it displays menu window which has compose option after clicking on compose button, Compose Window is opened which has recipient part, subject line part ,body of email and send button. After the Email is sent , a message box is displayed saying "Email sent Successfully".

Internet Connectivity is Essential for the program or it shows a message box saying “No Internet Connectivity”.

7.Module -Wise Description:

Smtplib Module: This module defines an SMTP client session object that can be used to send mail to any internet machine with an SMTP or ESMTP listener daemon. An SMTP instance encapsulates an SMTP connection .It has methods that support a full repertoire of SMYP and ESMTP oporaions.

Email Module:The Email package is library for managing email messages.It is specifically not designed to do any sending of email messages to SMTP .The Email package attempts to be as RFC -Complaint as possible.

Message submodule: The application interacts with the package Email primarilty through the object model interface defined in message submodule.

Policy Module: the control component is the policy module .Every EmailMessage, every generator and every parser has an associated policy object that controls its behaviour.

Tkinter Module:Tkinter is a Python module which helps in creating GUI .Tkinter represents Toolkit Interface for GUI . It is the easiest way to create GUI Applications.

Technology Selected and technology features covered:

Pycharm used for the project.

Modules used are SMTP(Simple mail transfer protocol) module, Email module, Message submodule, smtp.starttls() .

Tkinter has been used to create GUI for Login window, frames, start window, compose window and to display appropriate message boxes and GIF's.

Refernces:

FreeCode Camp, Geek for Geeks, RealPython, nitratine.net.