

Web Communication

Data 533 – Lab II

24th November 2019

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OVERVIEW

The *webcommunication* package is used to establish a connection with varieties of cloud-based communication platform which allows the user to interact with them in Python. The two different platforms are formed as two individual sub packages – *slack* and *email* using API calls.

SPECIFICATIONS

- Create a package ‘webcommunication’ with two sub packages *slack*, *email* and organize it with a proper file structure which contains two modules each.
- Sub package 1- *slack*
 - Module 1 – *slackchannel.py*

This module has two functions that connects and creates a new channel.
 - Module 2 – *slackmessage.py*

This module has two classes which uses inheritance. The inherited class establishes a connection from the super class and has two functions that sends message and schedules a message at a particular time to the created channel.
- Sub package 2- *email*
 - Module 1 – *emailsimple.py*

This module establishes a connection with the SMTP Server and sends an email. It has a function that encrypts the password and sends email using the credentials.
 - Module 1 – *emailadvanced.py*

This module establishes a connection with the SMTP Server and sends an email with an attachment.