

Getting started

Purpose:

The purpose of this assignment is to use a cross platform tool (i.e., Kivy, KivyMD) to create an application which extracts data using websites and stores them in multiple locations.

This is an application created with python, user interface is created by Kivy, KivyMD, data saves in firebase and SQLite.

Background:

Web pages are well known distributed systems where data stored on a remote server is accessible and visible to the user. Web scraping helps you to extract that remotely stored data

using a computer program. It is a good source of data collection when there are no API's or RSS feeds available. However, web scraping is not always reliable, and it should be updated periodically. Along with web scraping, you will be handling errors and replicating the data in multiple locations which is a core feature of a distributed system.

Tasks:

1. Designing an application using Kivy, KivyMD
2. Web scraping data using at least two websites (E.g., "timeanddate.com", "wunderground.com")
3. Handling errors
4. Storing extracted data using Firebase and another alternate location (Replication)

Reflection:

This app was not so complicated what was new is the Kivy, I am familiar with both firebase and SQLite. Error handling was easy and web scraping was also easy. Python language is straight forward and there is a lot of documentation out there

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