Web-Scrapping Architecture

Mars_app DB Tables

Mongo DB Compass
Community
Check new dB created

Anaconda/Python
Terminal #1
Start DB
'mongod'

1

Mars_app
MongoDB

Mars Website
(data to be scrapped)

Anaconda/Python
Terminal #2
'Set FLASK_ALL=app.py'
'flask run'

2

Nasa.gov
Website
(data to be scrapped)

7

9

8

Flask App.py
Generate web template

Web Template Before Scrape

3

User Initiated
Scrape_all Function

5

Scrape_mars.py
(Python scrapping script)

Chromedrive.exe
Splinter
Beautiful Soup
(Use Dev Tools to
Parse and Get Date
and Images)

6

Mission to Mars

Scrape New Data

Latest Mars News

Featured Mars Image   Mars Facts

Responsive image

4

Click Scrape Button

10

Mission to Mars

Scrape New Data

Latest Mars News
Nine Finalists Chosen in NASA's Mars 2020 Rover Naming Contest
Nine finalists have been chosen in the essay contest for K-12 students across U.S. to name NASA's next Mars rover. Now you can help by voting for your favorite.

Featured Mars Image   Mars Facts

Final Ouput

Bootstrap Layout
Framework

Index.html
Style Sheet