

# Deployment - Sprint 1

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- **Program Files:**

- WeatherEyesMain.py
  - For collecting and storing hourly and daily forecast data from three weather providers on an hourly basis while the program is running.
  - User needs to hit F5 to begin running the program.
  - If National Weather Service scraping raises an exception, user will be prompted to run exclusively the National Weather Service class.
- PastWeatherInquiry.py
  - User needs to hit F5 to begin running the program.
  - User needs to enter the date or range of dates for observational forecast data to be inquired. User must abide by the date format provided (Jan 01 2021 - Jan 01 2022 and Jan 01 2021 for range of dates and single date respectively). It should be noted that the earliest date to be inquired is Jun 12 2017.
  - If a user inputs a date that does not abide by the format, the user will be notified and advised to hit enter to try again.
  - User will need to hit "enter" on keyboard to reinquire another date or date range or type "exit" to end program.
- Files needed in shared folder for successful running:
  - WeatherEyesMain.py
  - PastWeatherInquiry.py
  - NationalWeatherServ.py
  - AccuWeather\_WebScraper.py
  - WeatherComPdoc.py
  - Convert.py

- **Installations in cmd line for successful running:**

- Pymongo
  - pip install pymongo
- URL Lib 3
  - pip install urllib3
- Requests
  - pip install requests
- Pytest
  - pip install pytest
- Coverage
  - pip install coverage
- Beautiful Soup
  - <https://www.crummy.com/software/BeautifulSoup/bs4/doc/#installing-beautiful-soup>

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- **Imports for Python code (All imports required are included in the Python code)**
  - json
  - bs4
  - urllib.request
  - requests
  - pymongo
  - From pymongo import MongoClient
  - datetime
  - time