

```
pip install dash requests
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➞ Collecting dash
  Downloading dash-2.16.1-py3-none-any.whl (10.2 MB)
    10.2/10.2 MB 14.7 MB/s eta 0:00:
Requirement already satisfied: requests in /usr/local/lib/python3.10/dist-pac
Requirement already satisfied: Flask<3.1,>=1.0.4 in /usr/local/lib/python3.10
Requirement already satisfied: Werkzeug<3.1 in /usr/local/lib/python3.10/dist
Requirement already satisfied: plotly>=5.0.0 in /usr/local/lib/python3.10/dist
Collecting dash-html-components==2.0.0 (from dash)
  Downloading dash_html_components-2.0.0-py3-none-any.whl (4.1 kB)
Collecting dash-core-components==2.0.0 (from dash)
  Downloading dash_core_components-2.0.0-py3-none-any.whl (3.8 kB)
Collecting dash-table==5.0.0 (from dash)
  Downloading dash_table-5.0.0-py3-none-any.whl (3.9 kB)
Requirement already satisfied: importlib-metadata in /usr/local/lib/python3.10
Requirement already satisfied: typing-extensions>=4.1.1 in /usr/local/lib/pytl
Collecting retrying (from dash)
  Downloading retrying-1.3.4-py3-none-any.whl (11 kB)
Requirement already satisfied: nest-asyncio in /usr/local/lib/python3.10/dist-
Requirement already satisfied: setuptools in /usr/local/lib/python3.10/dist-pa
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/pytl
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10
Requirement already satisfied: Jinja2>=3.0 in /usr/local/lib/python3.10/dist-p
Requirement already satisfied: itsdangerous>=2.0 in /usr/local/lib/python3.10
Requirement already satisfied: click>=8.0 in /usr/local/lib/python3.10/dist-pa
Requirement already satisfied: tenacity>=6.2.0 in /usr/local/lib/python3.10/d:
Requirement already satisfied: packaging in /usr/local/lib/python3.10/dist-pa
Requirement already satisfied: MarkupSafe>=2.1.1 in /usr/local/lib/python3.10
Requirement already satisfied: zipp>=0.5 in /usr/local/lib/python3.10/dist-pa
Requirement already satisfied: six>=1.7.0 in /usr/local/lib/python3.10/dist-pa
Installing collected packages: dash-table, dash-html-components, dash-core-cor
Successfully installed dash-2.16.1 dash-core-components-2.0.0 dash-html-compo
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```
import dash
from dash import html, dcc
from dash.dependencies import Input, Output
import requests

app = dash.Dash(__name__)

# SpaceX API endpoint for upcoming launches
url = "https://api.spacexdata.com/v4/launches/upcoming"

@app.callback(
    Output('launch-dashboard', 'children'),
    Input('interval-component', 'n_intervals')
)
```

```

def update_launch_data(n):
    try:
        # Send GET request to the API
        response = requests.get(url)
        response.raise_for_status()
        data = response.json()

        # Extract upcoming launch data from the JSON response
        if data:
            next_launch = data[0]
            mission_name = next_launch["name"]
            launch_date_utc = next_launch["date_utc"]
            launch_site = next_launch["launchpad"]
            rocket_name = next_launch["rocket"]
            return html.Div([
                html.H1("Upcoming SpaceX Launch"),
                html.P(f"Mission Name: {mission_name}"),
                html.P(f"Launch Date (UTC): {launch_date_utc}"),
                html.P(f"Launch Site: {launch_site}"),
                html.P(f"Rocket: {rocket_name}")
            ])
        else:
            return "No upcoming launches"
    except Exception as e:
        return f"Error: {str(e)}"

app.layout = html.Div([
    dcc.Interval(
        id='interval-component',
        interval=60*1000, # Update every minute
        n_intervals=0
    ),
    html.Div(id='launch-dashboard')
])

if __name__ == '__main__':
    app.run_server(debug=True)

```

Upcoming SpaceX Launch

Mission Name: USSF-44

Launch Date (UTC): 2022-11-01T13:41:00.000Z

Launch Site: 5e9e4502f509094188566f88

Rocket: 5e9d0d95eda69974db09d1ed

