

PDS – Assignment 3

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Source code:

```
1]: pip install requests
```

```
Requirement already satisfied: requests in /Users/tanuja/anaconda3/lib/python3.11/site-packages (2.31.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /Users/tanuja/anaconda3/lib/python3.11/site-packages (from request
s) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in /Users/tanuja/anaconda3/lib/python3.11/site-packages (from requests) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in /Users/tanuja/anaconda3/lib/python3.11/site-packages (from requests) (1.
26.16)
Requirement already satisfied: certifi>=2017.4.17 in /Users/tanuja/anaconda3/lib/python3.11/site-packages (from requests) (20
23.7.22)
Note: you may need to restart the kernel to use updated packages.
```

```
2]: import requests

url = "https://zillow-com1.p.rapidapi.com/property"

querystring = {"zpid": "2080998891"}

headers = {
    "X-RapidAPI-Key": "1342981e3emshc7a5f249e891318p1a214fjsn76e638f920ee",
    "X-RapidAPI-Host": "zillow-com1.p.rapidapi.com"
}

response = requests.get(url, headers=headers, params=querystring)

print(response.json())
```

```
3]: import dash
from dash import html, dcc, Input, Output
import requests

# Initialize Dash app
app = dash.Dash(__name__)

# Set up Layout
app.layout = html.Div([
    html.H1("Zillow Property Data"),
    dcc.Loading(id="loading", children=[html.Div(id="output")])
])

# Callback to fetch and display data
@app.callback(
    Output("output", "children"),
    [Input("loading", "loading_state")]
)
def update_output(loading):
    url = "https://zillow-com1.p.rapidapi.com/property"
    querystring = {"zpid": "2080998891"}
    headers = {
        "X-RapidAPI-Key": "1342981e3emshc7a5f249e891318p1a214fjsn76e638f920ee",
        "X-RapidAPI-Host": "zillow-com1.p.rapidapi.com"
    }
    try:
        response = requests.get(url, headers=headers, params=querystring)
        response.raise_for_status()
        data = response.json()

        # Assuming the structure of the returned data, modify this part accordingly
        property_info = html.Div([
            html.H2("Property Information"),
            html.P(f"Address: {data['address']}"),
            html.P(f"Price: {data['price']}")
            # Add more information as needed
        ])

        return property_info

    except requests.exceptions.RequestException as e:
        return html.Div(f"Error fetching data: {e}")

# Run the app
if __name__ == '__main__':
    app.run_server(debug=True, port=8051)
```

Output:

Zillow Property Data

Property Information

Address: {'community': None, 'city': 'Seattle', 'state': 'WA', 'neighborhood': None, 'subdivision': None, 'streetAddress': '757 Hayes St', 'zipcode': '98109'}

Price: 1559400