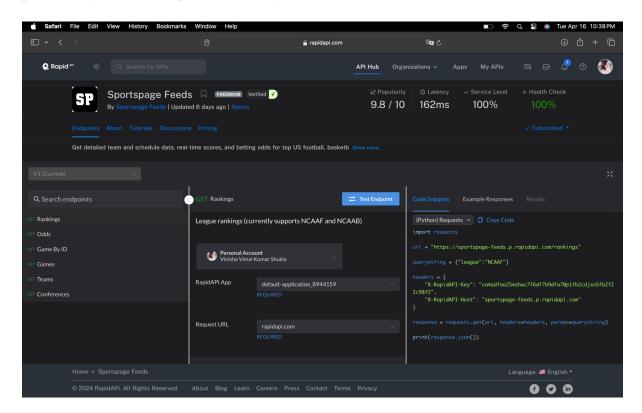
PDS ASSIGNMENT 3 & 4

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QUESTION 1

1. a) I utilized the SportsPage Feeds API to access sports-related data. Through the Python requests library, data from the SportsPage Feeds API was fetched, providing real-time sports rankings information.



```
import dash
File display ests
 # Initialize Dash app
app = dash.Dash(__name__)
 # Set up layout
 app.layout = html.Div([
     html.H1("NCAAF Rankings"),
     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):
     # Fetch data from API
     url = "https://sportspage-feeds.p.rapidapi.com/rankings"
querystring = {"league": "NCAAF"}
headers = {"X-RapidAPI-Key": "1342981e3emshc7a5f249e891318pla214fjsn76e638f920ee"}
         response = requests.get(url, headers=headers, params=querystring)
         response.raise_for_status()
         data = response.json()
          # Process and format the data for display
         rankings = [
             html.Div([
                  html.H2(rank['name']),
                  html.Ul([html.Li(f"{team['rank']}. {team['team']}") for team in rank['rankings']])
              for rank in data['results']
         return rankings
     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)
```

1. b) The output displays NCAAF rankings and Coaches Poll and dynamically updates to display the latest sports rankings fetched from the SportsPage Feeds API. Users can view this information in real-time within their web browser.

NCAAF Rankings	Coaches Poll
• 1. Michigan • 2. Washington • 3. Texas • 4. Georgia • 5. Alabama • 6. Florida State • 6. Oregon • 8. Missouri • 9. Mississippi • 10. Ohio State • 11. Arizona • 12. LSU • 13. Penn State • 14. Notre Dame • 15. Oklahoma • 16. Oklahoma State • 17. Tennessee • 18. Kansas State • 19. Louisville • 20. Clemson • 21. NC State • 22. SMU • 23. Kansas • 24. Iowa • 25. Liberty	 1. Michigan 2. Washington 3. Georgia 4. Texas 5. Alabama 6. Florida State 7. Oregon 8. Missouri 9. Mississippi 10. Ohio State 11. Arizona 12. LSU 13. Penn State 14. Notre Dame 15. Oklahoma 16. Oklahoma State 17. Tennessee 18. Louisville 19. Kansas State 20. Clemson 21. NC State 22. Iowa 23. Kansas 24. SMU 25. West Virginia

This Python script utilizes Dash to create a live dashboard displaying sports rankings fetched from the SportsPage Feeds API. The code defines a function (fetch_sports_rankings()) to retrieve JSON data from the API endpoint (https://sportspage-feeds.p.rapidapi.com/rankings). This data includes real-time sports rankings information.