

```
!pip install beautifulsoup4 requests
```

```
Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.12/dist-packages (4.13.5)
Requirement already satisfied: requests in /usr/local/lib/python3.12/dist-packages (2.32.4)
Requirement already satisfied: soupsieve>1.2 in /usr/local/lib/python3.12/dist-packages (from beautifulsoup4) (2.8)
Requirement already satisfied: typing-extensions>=4.0.0 in /usr/local/lib/python3.12/dist-packages (from beautifulsoup4) (4.
Requirement already satisfied: charset_normalizer<4,>=2 in /usr/local/lib/python3.12/dist-packages (from requests) (3.4.4)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.12/dist-packages (from requests) (3.11)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.12/dist-packages (from requests) (2.5.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.12/dist-packages (from requests) (2025.11.12)
```

```
import requests
from bs4 import BeautifulSoup
import json
```

```
url = "https://support.spotify.com/"
response = requests.get(url)

print("Spotify help website opened")
```

Spotify help website opened

```
soup = BeautifulSoup(response.text, "html.parser")

headings = soup.find_all(["h1", "h2", "h3"])

for h in headings[:20]:
    print(h.text.strip())
```

```
Get answers with AI
Search help articles
Payments & billing
Manage your account
Premium plans
In-app features
Devices & troubleshooting
Safety & privacy
Quick help
Visit our Community
Company
Communities
Useful links
Spotify Plans
```

```
spotify_data = [
    {
        "module": "Music by Language",
        "Description": "Helps users find and listen to songs based on different languages.",
        "Submodules": {
            "Tamil Songs": "Collection of Tamil movie and independent songs.",
            "Hindi Songs": "Hindi songs including Bollywood and independent music.",
            "English Songs": "English songs from international artists.",
            "Telugu Songs": "Songs from Telugu movies and albums.",
            "Malayalam Songs": "Malayalam film and modern music."
        }
    },
    {
        "module": "Music Genres",
        "Description": "Allows users to explore music based on different genres.",
        "Submodules": {
            "Pop": "Popular and trending songs enjoyed by many listeners.",
            "Rock": "Rock music from classic to modern styles.",
            "Classical": "Traditional and instrumental classical music.",
            "Hip Hop": "Rap and hip hop music from global artists.",
            "Jazz": "Smooth and instrumental jazz music."
        }
    },
    {
        "module": "Mood & Activity",
        "Description": "Provides music that matches the user's mood or activity.",
        "Submodules": {
            "Workout": "Fast and energetic music for exercise.",
            "Relax": "Calm music for relaxing and stress relief.",
            "Party": "Fun and upbeat songs for parties.",
            "Focus": "Soft music to help with studying or working."
        }
    }
]
```

```

    },
    {
        "module": "Playlists",
        "Description": "Offers ready-made and personalized playlists for users.",
        "Submodules": {
            "Top Hits": "Currently popular and trending songs.",
            "Daily Mix": "Personalized playlists updated every day.",
            "Discover Weekly": "Weekly playlist with new song recommendations.",
            "Release Radar": "Newly released songs from favorite artists."
        }
    },
    {
        "module": "Artists",
        "Description": "Helps users explore music by different artists.",
        "Submodules": {
            "Popular Artists": "Music from well-known and trending artists.",
            "Followed Artists": "Songs from artists followed by the user.",
            "New Artists": "Music from upcoming and new artists."
        }
    },
    {
        "module": "Albums",
        "Description": "Allows users to listen to songs grouped as albums.",
        "Submodules": {
            "Latest Albums": "Recently released albums.",
            "Popular Albums": "Albums that are popular among listeners.",
            "Classic Albums": "Well-known albums from past years."
        }
    },
    {
        "module": "Podcasts",
        "Description": "Provides spoken audio content apart from music.",
        "Submodules": {
            "Education": "Podcasts for learning and knowledge.",
            "Entertainment": "Fun and storytelling podcasts.",
            "News": "Podcasts that cover daily news and updates."
        }
    },
    {
        "module": "User Library",
        "Description": "Stores the user's saved and favorite content.",
        "Submodules": {
            "Liked Songs": "Songs liked by the user.",
            "Saved Playlists": "Playlists saved by the user.",
            "Downloaded Music": "Music available for offline listening."
        }
    }
]

```

```

with open("spotify_modules.json", "w") as f:
    json.dump(spotify_data, f, indent=4)

print("Spotify JSON created successfully!")

```

Spotify JSON created successfully!

```
print(json.dumps(spotify_data, indent=4))
```

```
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