# EC English Front-end Developer Candidate Test

Time allowed – 60 to 90 minutes

## Overview

Build a one-page application that enables the user to find albums that are available on Spotify and iTunes.

Your application will allow the user to enter an artist name and query the Spotify and iTunes search API’s. The results should be displayed as a formatted list of the artist’s albums available to the user in either API.

The search results can be formatted however you wish; include whatever data, images, metadata and links you feel appropriate. You are not expected to create branding, logos etc. for the application.

Include additional functionality if time allows.

## Implementation notes

You are free to use your favourite CSS and/or JavaScript frameworks and visit appropriate online documentation.

The application should work in the latest browsers. If you utilize advanced browser capabilities, specify which browser should be used when viewing your application. You do not need to include support for older browsers.

**Once you have completed your application briefly document any limitations, known issues or defects relating to your implementation and the API’s used. Also briefly describe enhancements and improvements, if any, you would make given more time.**

## REST API’s

Spotify and iTunes API’s are open and do not require authentication. All API calls are returned as JSON encoded as UTF-8.

Spend as much time as required reading the API documentation, it does not count against your time limit.

### Spotify API Details

**Documentation**: [Spotify Web API - Search](https://developer.spotify.com/web-api/search-item/)

**Endpoint**: [GET] <https://api.spotify.com/v1/search>

**Useful query parameters\*:**

|  |  |
| --- | --- |
| Query Parameter | Value |
| q | The search query's keywords, spaces encoded.  q=radiohead |
| type | A comma-separated list of item types to search across. Valid types are:  album, artist, playlist, track |

\* *Additional parameters are available as detailed in the API documentation.*

### iTunes API Details

**Documentation**: [iTunes Search API](https://affiliate.itunes.apple.com/resources/documentation/itunes-store-web-service-search-api/)

**Endpoint**: [GET] <https://itunes.apple.com/search>

**Useful query parameters\*:**

|  |  |
| --- | --- |
| Query Parameter | Value |
| term | The search query's keywords, spaces encoded.  term=radiohead |
| entity | A comma-separated list of entity types to search across. Useful types are:  album, musicArtist, musicTrack |

\* *Additional parameters are available as detailed in the API documentation.*