**TestFacebookPostResource**

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| ID | **Test 1 - testPost()** |
| Description | Test to detect errors on the implementation of post’s sharing on Facebook using RESTful services. (I) |
| Input | The *FacebookPostResource* class is used in order to invoke the service using the URI *https://graph.facebook.com/me/feed?****access\_token****=&****message****=* from our application.   * **access\_token** = personal access token of the actual user. * **message** = “This is a JUnit test.” |
| Expected Output | We expect the method in this test to return *true*, which will mean that the post was published successfully. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 2 - testPostNull()** |
| Description | Test to detect errors on the implementation of post’s sharing on Facebook using RESTful services. (II) |
| Input | The *FacebookPostResource* class is used in order to invoke the service using the URI *https://graph.facebook.com/me/feed?****access\_token****=&****message****=* from our application.   * **access\_token** = personal access token of the actual user. * **message** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

**TestFacebookResource**

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| ID | **Test 3 - testGetPostsEmpty()** |
| Description | Test to detect errors on the implementation of getting posts from a Facebook page using RESTful services. (I) |
| Input | The *FacebookResource* class is used in order to invoke the service using the URI  *https://graph.facebook.com/v2.9/****\*****/posts?****access\_token****=* from our application.   * **\*** = “”. * **access\_token** = personal access token of the actual user. |
| Expected Output | We expect the method to return *null* as there is no page with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 4 - testGetPostsNull()** |
| Description | Test to detect errors on the implementation of getting posts from a Facebook page using RESTful services. (II) |
| Input | The *FacebookResource* class is used in order to invoke the service using the URI  *https://graph.facebook.com/v2.9/****\*****/posts?****access\_token****=* from our application.   * **\*** = *null*. * **access\_token** = personal access token of the actual user. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 5 - testSearchPagesEmpty()** |
| Description | Test to detect errors on the implementation of searching pages on Facebook using RESTful services. (I) |
| Input | The *FacebookResource* class is used in order to invoke the service using the URI  *https://graph.facebook.com/v2.9/search?****access\_token****=&****q****=&type=page* from our application.   * **access\_token** = personal access token of the actual user. * **q** = “”. |
| Expected Output | We expect the method to return *null* as there is no page with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 6 - testSearchPagesFound()** |
| Description | Test to detect errors on the implementation of searching pages on Facebook using RESTful services. (II) |
| Input | The *FacebookResource* class is used in order to invoke the service using the URI  *https://graph.facebook.com/v2.9/search?****access\_token****=&****q****=&type=page* from our application.   * **access\_token** = personal access token of the actual user. * **q** = “Lady+Gaga”. |
| Expected Output | We expect the method not to return *null* as there exists pages related to “Lady Gaga”.  Also, to return data, the size of which is bigger than 0. This means there is at least one item returned.  Also, to return a page in the first place, the name of which is “Lady Gaga”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 7 - testSearchPagesNull()** |
| Description | Test to detect errors on the implementation of searching pages on Facebook using RESTful services. (III) |
| Input | The *FacebookResource* class is used in order to invoke the service using the URI  *https://graph.facebook.com/v2.9/search?****access\_token****=&****q****=&type=page* from our application.   * **access\_token** = personal access token of the actual user. * **q** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

**TestSpotifyResource**

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| ID | **Test 24 - testGetAlbumEmpty()** |
| Description | Test to detect errors on the implementation of getting albums from Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/albums/****\*****?market=ES* from our application.   * **\*** = “”. |
| Expected Output | We expect the method to return *null* as there is no album with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 25 - testGetAlbumFound()** |
| Description | Test to detect errors on the implementation of getting albums from Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/albums/****\*****?market=ES* from our application.   * **\*** = “4yHr095BMG5I3IRH4ToE5l”. |
| Expected Output | We expect the method not to return *null* as there exists an album that has the ID “4yHr095BMG5I3IRH4ToE5l”.  Also, the artist of this album to be “Lady Gaga”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 26 - testGetAlbumNull()** |
| Description | Test to detect errors on the implementation of getting albums from Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/albums/****\*****?market=ES* from our application.   * **\*** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 27 - testGetArtistAlbumsEmpty()** |
| Description | Test to detect errors on the implementation of getting an artist’s albums from Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\*****/albums?album\_type=single,album,appears\_on&market=ES* from our application.   * **\*** = *“”*. |
| Expected Output | We expect the method to return *null* as there is no artist with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 28 - testGetArtistAlbumsFound()** |
| Description | Test to detect errors on the implementation of getting an artist’s albums from Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\*****/albums?album\_type=single,album,appears\_on&market=ES* from our application.   * **\*** = *“1HY2Jd0NmPuamShAr6KMms”*. |
| Expected Output | We expect the method not to return *null* as there exists an artist that has the ID “*1HY2Jd0NmPuamShAr6KMms*”.  Also, the first album’s name from the artist to be “Joanne (Deluxe)”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 29 - testGetArtistAlbumsNull()** |
| Description | Test to detect errors on the implementation of getting an artist’s albums from Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\*****/albums?album\_type=single,album,appears\_on&market=ES* from our application.   * **\*** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 30 - testGetArtistEmpty()** |
| Description | Test to detect errors on the implementation of getting an artist from Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\****from our application.   * **\*** = *“”*. |
| Expected Output | We expect the method to return *null* as there is no artist with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 31 - testGetArtistFound()** |
| Description | Test to detect errors on the implementation of getting an artist from Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\****from our application.   * **\*** = *“5WUlDfRSoLAfcVSX1WnrxN”*. |
| Expected Output | We expect the method not to return *null* as there exists an artist that has the ID “*5WUlDfRSoLAfcVSX1WnrxN*”.  Also, the artist to have 'pop' as its least important genre. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 32 - testGetArtistNull()** |
| Description | Test to detect errors on the implementation of getting an artist from Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/artists/****\****from our application.   * **\*** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 33 - testGetTrackEmpty()** |
| Description | Test to detect errors on the implementation of getting a track from Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/tracks/****\****from our application.   * **\*** = “”. |
| Expected Output | We expect the method to return *null* as there is no track with an empty ID. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 34 - testGetTrackFound()** |
| Description | Test to detect errors on the implementation of getting a track from Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/tracks/****\****from our application.   * **\*** = “0QkWikH5Z3U0f79T9iuF6c”. |
| Expected Output | We expect the method not to return *null* as there exists an artist that has the ID “0QkWikH5Z3U0f79T9iuF6c”.  Also, the artist of this song to be “Lady Gaga”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 35 - testGetTrackNull()** |
| Description | Test to detect errors on the implementation of getting a track from Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/tracks/****\****from our application.   * **\*** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 36 - testSearchAlbumsEmpty()** |
| Description | Test to detect errors on the implementation of searching albums on Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=album* from our application.   * **q** = “”. |
| Expected Output | We expect the method to return *null* as empty isn’t a valid search query. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 37 - testSearchAlbumsFound()** |
| Description | Test to detect errors on the implementation of searching albums on Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=album* from our application.   * **q** = “The+Fame”. |
| Expected Output | We expect the method not to return *null* as this is valid search query.  Also, to return data, the size of which is bigger than 0. This means there is at least one item returned.  Also, the artist of the most important album called “The Fame” must be “Lady Gaga”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 38 - testSearchAlbumsNull()** |
| Description | Test to detect errors on the implementation of searching albums on Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=album* from our application.   * **q** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 39 - testSearchArtistsEmpty()** |
| Description | Test to detect errors on the implementation of searching artists on Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=artist* from our application.   * **q** = “”. |
| Expected Output | We expect the method to return *null* as empty isn’t a valid search query. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 40 - testSearchArtistsFound()** |
| Description | Test to detect errors on the implementation of searching artists on Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=artist* from our application.   * **q** = “Sia”. |
| Expected Output | We expect the method not to return *null* as this is valid search query.  Also, to return data, the size of which is bigger than 0. This means there is at least one item returned.  Also, the most important artist called “Sia” to have the ID “5WUlDfRSoLAfcVSX1WnrxN”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 41 - testSearchArtistsNull()** |
| Description | Test to detect errors on the implementation of searching artists on Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=artist* from our application.   * **q** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 42 - testSearchTracksEmpty()** |
| Description | Test to detect errors on the implementation of searching tracks on Spotify using RESTful services. (I) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=track* from our application.   * **q** = “”. |
| Expected Output | We expect the method to return *null* as empty isn’t a valid search query. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 43 - testSearchTracksFound()** |
| Description | Test to detect errors on the implementation of searching tracks on Spotify using RESTful services. (II) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=track* from our application.   * **q** = “Judas”. |
| Expected Output | We expect the method not to return *null* as this is valid search query.  Also, to return data, the size of which is bigger than 0. This means there is at least one item returned.  Also, the album of the most important track called “Judas” must be “Born This Way”. |
| Result | **SUCCESS** |
| Automatized | Yes |

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| ID | **Test 44 - testSearchTracksNull()** |
| Description | Test to detect errors on the implementation of searching tracks on Spotify using RESTful services. (III) |
| Input | The *SpotifyResource* class is used in order to invoke the service using the URI *https://api.spotify.com/v1/search?****q****=&type=track* from our application.   * **q** = *null*. |
| Expected Output | We expect the method to throw a *NullPointerException*. |
| Result | **SUCCESS** |
| Automatized | Yes |