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## Teamwork Final Project

Created by Sergei Tsarik, last modified by Srikala Gudavalli on Jul 26, 2022

The web service Spotify (<https://open.spotify.com/>) is used for Teamwork Project.

The aim of Teamwork Project is to develop the Test Automation Framework (TAF) and test User Interface (UI) Application Programming Interface (API).

The purposes of the TAF are:

- UI testing of the Login form,
- UI testing of the Playlist abilities,
- API testing of the Playlist abilities.

### UI Login form test suite

- ☐ UI 1. Test Login form with empty credentials.
- ☐ UI 2. Test Login form with incorrect credentials.
- ☐ UI 3. Test Login form with valid credentials.

### UI Playlist test suite

- ☐ UI 4. Test **Create** Playlist ability.
- ☐ UI 5. Test playlist **Edit details** ability.
- ☐ UI 6. Test **Search** song and **Add to playlist** ability.
- ☐ UI 7. Test **Remove** from this playlist ability for song in playlist.
- ☐ UI 8. Test **Delete** playlist.

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### UI Playlist test suite

- ☐ UI 4. Test **Create** Playlist ability.
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- ☐ UI 8. Test **Delete** playlist.

### API Playlist test suite

- ☐ API 1. Test **Create** Playlist ability.
- ☐ API 2. Test playlist **Edit details** ability.
- ☐ API 3. Test **Add to playlist** ability.
- ☐ API 4. Test **Remove** from this playlist ability for song in playlist.

### Requirements

- JDK 1.8, Maven (pom.xml)
- JUnit4 or 5, or TestNG
- WebDriver (io.github.bonigarcia:webdrivermanager, org.seleniumhq.selenium:selenium-java) for UI
- REST Assured (io.rest-assured:rest-assured) for API
- PageObject or PageFactory, Webdriver Singleton
- Packages architecture for storing the classes: web-driver, page-objects, models (domains), utils, steps, etc.

### Info

- ☐ Register test account with social email and password at web service Spotify (<https://open.spotify.com/>) and use it for you teamwork.

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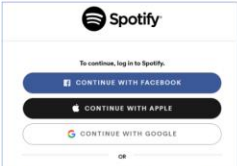
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- ☐ Find information at [https://youtu.be/N34BM2CU\\_3g](https://youtu.be/N34BM2CU_3g) how to get access to your spotify account with API.
- ☐ Find endpoints for Playlists API <https://developer.spotify.com/documentation/web-api/reference/#/>

UI 1

Test Login form with empty credentials194px

1. Type any credentials
2. Clear the inputs.
3. Check the error messages:

- ☐ Please enter your Spotify username or email address.
- ☐ Please enter your password.



The mockup shows the Spotify login interface. It features the Spotify logo at the top, followed by the text "To continue, log in to Spotify." Below this are three social login buttons: "CONTINUE WITH FACEBOOK", "CONTINUE WITH APPLE", and "CONTINUE WITH GOOGLE". At the bottom of the mockup, there is a small "OR" separator.

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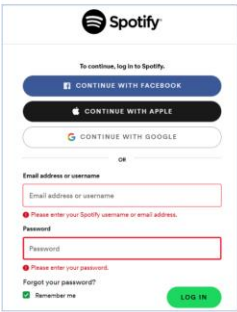
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The mockup shows the Spotify login interface with error messages. It features the Spotify logo at the top, followed by the text "To continue, log in to Spotify." Below this are three social login buttons: "CONTINUE WITH FACEBOOK", "CONTINUE WITH APPLE", and "CONTINUE WITH GOOGLE". At the bottom of the mockup, there is a small "OR" separator. Below the social login buttons, there are two input fields: "Email address or username" and "Password". The "Email address or username" field has a red error message: "Please enter your Spotify username or email address." The "Password" field has a red error message: "Please enter your password." Below the password field, there is a green "Remember me" checkbox and a green "LOG IN" button.

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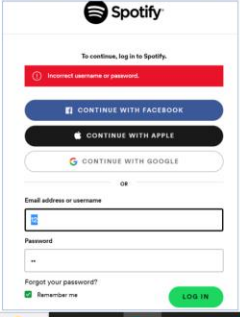
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### UI 2

#### Test Login form with incorrect credentials

1. Type any incorrect credentials and click LOG IN button.
2. Check the error message.

☐ Incorrect username or password.



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### UI 3

#### Test Login form with correct credentials


1. Type correct credentials and click LOG IN button.
2. Check that Name is correct.



### UI 4

#### Test Create playlist

1. Log in with correct credentials.
2. Click Create Playlist.
3. Check that playlist Name was added to the list.



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### UI 4

#### Test Create playlist

1. Log in with correct credentials.
2. Click Create Playlist.
3. Check that playlist Name was added to the list.

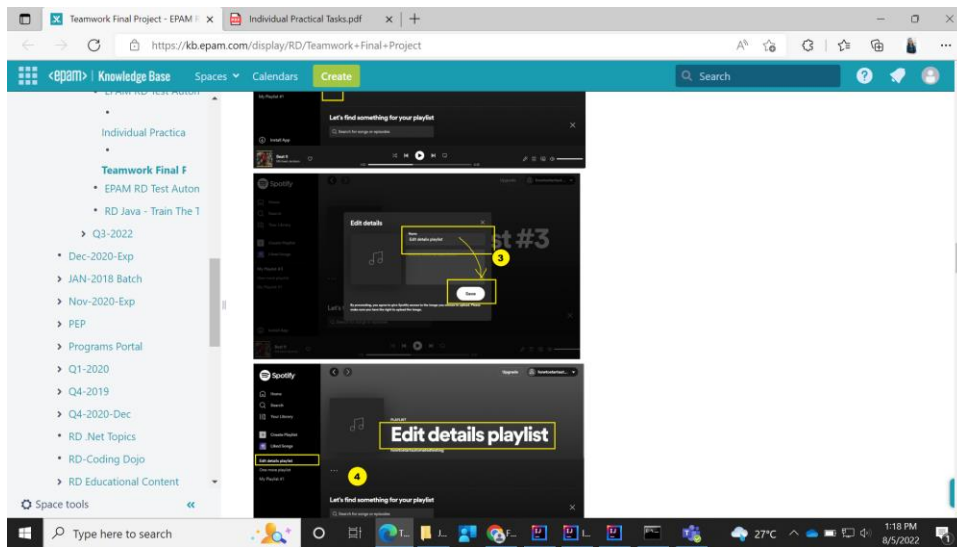
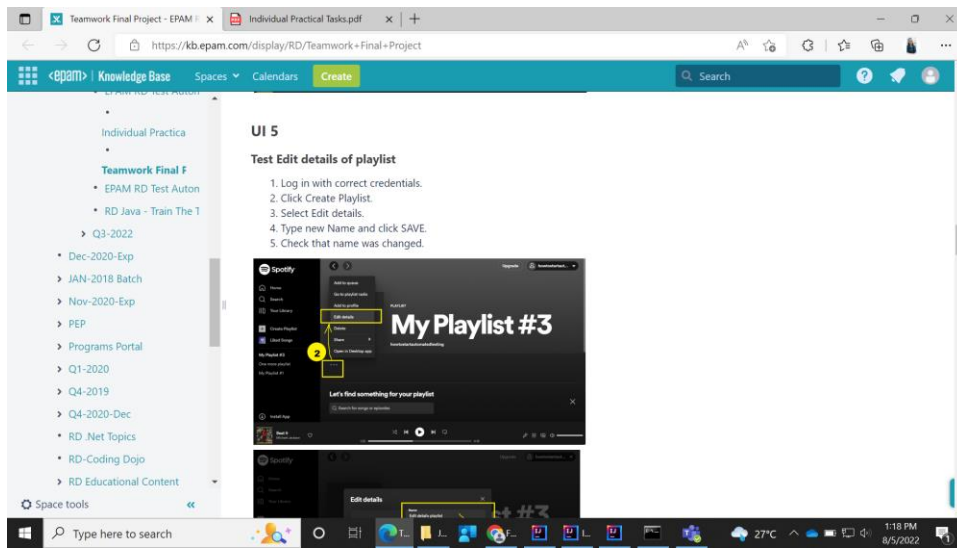


### UI 5

#### Test Edit details of playlist

1. Log in with correct credentials.

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UI 6

Test Search and Add to playlist

1. Log in with correct credentials.
2. Click Create Playlist.
3. Click Search menu.
4. Type in search input "Billie Jean" and click Songs filter.
5. Select Add to playlist.
6. Click the playlist where the song is added.
7. Check that the song was added.

Spotify

Edit details playlist

Let's find something for your playlist

Type here to search

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UI 6

Test Search and Add to playlist

1. Log in with correct credentials.
2. Click Create Playlist.
3. Click Search menu.
4. Type in search input "Billie Jean" and click Songs filter.
5. Select Add to playlist.
6. Click the playlist where the song is added.
7. Check that the song was added.

Spotify

Spotify

Spotify

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UI 7

Test Remove song from playlist

1. Log in with correct credentials.
2. Click Create Playlist



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UI 7

Test Remove song from playlist

1. Log in with correct credentials.
2. Click Create Playlist
3. Click Search menu.
4. Type in search input "Billie Jean" and click Songs filter.
5. Select Add to playlist.
6. Click the playlist where the song is added.
7. Select Remove from this playlist.
8. Check that song was removed from playlist.



UI 8

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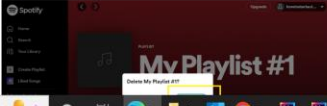

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### UI 8

#### Test Delete playlist

1. Log in with correct credentials.
2. Click Create Playlist.
3. Select Delete playlist.
4. Click DELETE button.
5. Check that playlist was removed from your library.



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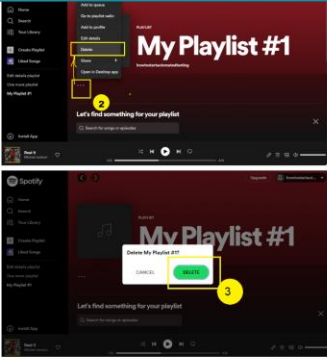
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### API 1