

## Deployment plan

Our project is to make a Spotify extension that simply edits a playlist based on the general genre of the playlist. This is helpful for the users because sometimes users find good playlists but with some songs that are outliers from the genre the user is looking for. Our project is to make that process as easy as it can be.

Before the project can be deployed there are few aspects that should be considered. First, after finishing implementing all the functionalities of the project, we need to test them to make sure they all work as expected. The total number of hours that will be spent testing the project is calculated using where the rate of error is no more than 0.02 errors per one thousand lines of code. We will also need to make sure that our project will work for the user as well as it works for the developers. Since our project uses node.js to make a local server for developers to test the project while developing it, we need to be able to make it work on an online server. This will ensure it will work for the users without having them install node.js. In addition, we need to contact Spotify to reach an agreement on using their library and modifying their application.

One of the most obvious potential customers is Spotify itself. Our project offers amazing features that improve the user's experience while listening to music; therefore, Spotify might be interested in buying it. Although the project uses Spotify API, the program can be easily manipulated to work with different APIs so that makes other music apps such as Apple Music, YouTube Music, Soundcloud, and Anghami potential customers as well. We can also decide to stay independent and have our own domain where we will have an appealing user interface. The interface will give the user the ability to manually remove songs if necessary. The interface will additionally show a graph of where the song lies compared to the general genre of the playlist. If that is the case, then the webpage's main source of income will be advertisements. Almost everyone listens to music; therefore, companies that are looking to advertise a product that doesn't have a specific target customer will most likely be interested to advertise on our webpage.

If the project was sold to one of the popular music platforms it will not cost us anything in deployment. On the other side if we decide to keep our user interface then we will need to buy a domain. According to google domains, the domain "flowmusik.org" is 12\$ a year without any initial payment. This is affordable because the income from advertisements will most likely cover it with some profit in addition.

Based on what was stated above, it seems the deployment of the project is predicted to be more profitable than costly. The music industry is one of the industries that have large demands and developers have not completely satisfied consumers. There is more that we can improve and optimize in this industry.