# MusicFone App

## General Description

MusicFone is a music playing application that is planned to run on a GPS-enabled and MP3-capable mobile phone. Table 1 below briefly describes some features that this application should provide to its users; however, it is not possible to implement all the features for our first release, so you need to individually evaluate these features, using the VALUE tool, based on the criteria described on Table 2 and later on, in a group discussion, select four of them, to be implemented in the MusicFone first release.

Note that the feature to play music has already been implemented on the App.



## Figure 1 – Overview of the inputs used by the MusicFone App

## Context

Release date: 01/05/2016

Development schedule: From 01/03/2016 to 01/04/2016

Team size: 2 experienced developers

Number of features to be selected for implementation into the first release: 4

Table 1 - Possible features to implement into MusicFone application

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Name** | **Description** | **Effort (persons hour)** |
| 1 | Artists recommendation | Allows for the MusicFone App to recommend up to 20 artists to the App User. The recommendations are done based on the currently playing artist. The MusicFone App search the Last.fm website for related artists and display them to the App User as artists recommendations. | 32 |
| 2 | Build itinerary for attending concerts | Allows for the App User to create a lists of selected artists whose concerts (s)he would like to attend. The MusicFone App builds up an optimised itinerary for a trip based on the distances between concerts and the App User’s current location. Only one concert per artist is included in this itinerary. Any artists can be included, not only the ones being followed by the App User. | 64 |
| 3 | Cloud storage | Allows for the App User to store his/her songs in a cloud so they are always available on any device the App User is signed in. The cloud storage quota per user is of 10 GB. | 40 |
| 4 | Finding concerts of an artist | Allows for the App User to select an artist and to retrieve information about this artist’s upcoming concerts. The MusicFone App obtains this information from the last.fm website. Each upcoming concert provides the following information: location, date, time and the distance from the App User’s location to the concert’s location, based on the App User’s current GPS location. | 16 |
| 5 | Follow artists | Allows for the App User to follow his/her favorite artists. This means that whenever the last.fm website publishes information about a song or concert related to any of the favorite artists, the App User receives a notification on his/her mobile phone. | 24 |
| 6 | Follow friends | Allows for the App User to follow his/her friends who are also using the MusicFone App so (s)he can interact with them by sending them artists recommendations and also checking his/her friends listening habits. | 8 |
| 7 | Import friends | The App User can import his Last.fm and Facebook friends that are also using the MusicFone application. | 12 |
| 8 | Import music | Allows for the App User to import songs from mp3 files stored in his/her mobile phone into the MusicFone App, in order to use the MusicFone App to listen to these songs and to take advantage of the MusicFone functionality. | 16 |
| 9 | Search for artists | Allows for the App User to search for artists (s)he likes to listen to. The MusicFone App searches for those artists in the last.fm website. | 12 |
| 10 | Search for friends | Allows for the App User to search for his/her friends’ names or email addresses in the MusicFone database. | 12 |
| 11 | Share concert itinerary | Allows for the App User to share his/her trips’ itinerary with friends who are also using MusicFone, and also to invite them to join the trip. | 24 |

Table 2 - Evaluation criteria

|  |  |
| --- | --- |
| **Criteria** | **Description** |
| Customer Satisfaction | The degree of satisfaction provided by the goods or services of a company as measured by the number of repeat customers. |
| App’s delivery time | Length of time taken in product development process from product idea to the finished product. It is a critical component of time based competition. |
| App’s Competitiveness in the market | Ability of a firm or a nation to offer products and services that meet the quality standards of the local and world markets at prices that are competitive and provide adequate returns on the resources employed or consumed in producing them. |
| Revenue Growth | The income generated from sale of goods or services, or any other use of capital or assets, associated with the main operations of an organization before any costs or expenses are deducted. |

http://www.businessdictionary.com/definition/customer-satisfaction.html

http://www.businessdictionary.com/definition/time-to-market.html

http://www.businessdictionary.com/definition/competitiveness.html

http://www.businessdictionary.com/definition/revenue.html