

Business Requirements & Assumptions

Software Developer - Music Player



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# Functional Requirements

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| Requirement ID | Requirement Details |
| **1.0 Audio Playback / Music Player** | |
| 1.1 | Provide the functionality to play an audio file. |
| 1.2 | Provide the functionality to control the playback (pause / play) of an audio file. |
| 1.3 | Provide the functionality to skip to the next song in a playlist. |
| 1.4 | Provide the functionality to return to the previous song in a playlist. |
| 1.5 | Provide the functionality to shuffle to a random song in a playlist. |
| **2.0 Audio File Management** | |
| 2.1 | Provide the functionality to display a list of audio files and order by title or album. |
| 2.2 | Provide the functionality to search for songs based on a search term. |
| 2.3 | Provide the functionality to order the results of that search by title or album. |
| **3.0 Playlist Management** | |
| 3.1 | Provide the functionality to collect audio files into playlists. |
| 3.2 | Provide the functionality to create a playlist. |
| **4.0 Basic Application** | |
| 4.1 | Provide the functionality to switch to an ‘idle’ state which would use less power and conserve battery life. |

# Assumptions

The user would like to be able to find the song they wish to listen to quickly and easily.

Similarly, that the user would like to be able to categorise their collection of music into digestible playlists.

Finally, there is a possible minor assumption that the user can recognise and understand the media button icons, such as pause, play, next, and previous. To mitigate this assumption, all those buttons will have a ‘title’ so when they are hovered over the button name is shown.