2. To purchase a particular song, the user will be required to indicate his/her credentials.

3. Once the system verifies the credentials, the system should allow the user to download the selected song.

**Functional requirement**

**Client**

**FR: 01 Purchasing music**

|  |  |
| --- | --- |
| ID | FR: 01 |
| Name | Purchasing music |
| Summary | The system shall allow users to purchase a particular music from a particular artists’ album. |
| Description | Once the system verifies the credentials, the system should allow the user to download the selected song |
| Dependency | Internet connection, User login to his/her account |
| Reference |  |

**FR: 02 Security of Downloaded Music**

|  |  |
| --- | --- |
| ID | FR: 01 |
| Name | Security of downloaded music |
| Summary | After the download finishes, the system should encrypt the downloaded music. |
| Description | The System Encrypt the downloaded music so that it won’t be seen by other players |
| Dependency | Encryption Algorithm |
| Reference |  |

**FR: 03 Creating playlist**

|  |  |
| --- | --- |
| ID | FR: 03 |
| Name | Creating playlist |
| Summary | The User shall be able to create and modify playlists for the already downloaded music. |
| Description | To make the app Interactive for the User. User can create his own playlist |
| Dependency |  |
| Reference |  |

**FR: 04 Offline Usage**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Offline Usage |
| Summary | When there is no internet connection, the User shall be able to use an offline mode of the application. |
| Description | Musika is also a music player so the downloaded music and already installed music’s in the Device should be played by the Musika player |
| Dependency |  |
| Reference |  |

**FR: 04 Search Music**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Search music |
| Summary | The User shall be able to search for a particular music by providing a part of artist, song or album name. |
| Description | The system shall use a searching algorithm to provide a required result by searching in The Musika database correspond to the user input |
| Dependency | Searching algorithm, internet access |
| Reference |  |

**FR: 04 Built in player**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Built in player |
| Summary | The User shall be able to listen to downloaded music on the built-in player. |
| Description | Musika player is specially designed to play the encrypted music’s. |
| Dependency |  |
| Reference |  |

**Server**

**FR: 04 Upload music**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Upload music |
| Summary | Authorized\_User shall have access to add or remove music albums in the system. |
| Description |  |
| Dependency |  |
| Reference |  |

**FR: 04 set music prices**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Set music price |
| Summary | Artists should be able to set their own prices for their music works. |
| Description | Artists can have different price ranges. So, to meet this needs the responsibility setting price of a music is given to Artists. |
| Dependency |  |
| Reference |  |

**FR: 04 storing transaction history**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Storing transaction history |
| Summary | The System shall store each transaction made with their Date and quantity |
| Description | When User purchase music, the system keeps track of each transaction made and store it in the data base. |
| Dependency | Internet connection |
| Reference |  |

**FR: 04 Data Base manipulation**

|  |  |
| --- | --- |
| ID | FR: 04 |
| Name | Data Base manipulation |
| Summary | The system allows the Authorized\_User to manipulate the database If one of the condition is true:  The uploaded music is corrupted  The uploaded music is found to be bugged |
| Description |  |
| Dependency |  |
| Reference |  |

**Glossary Terms**

User: a person who have account to the Musika application and can purchase music

Authorized\_User:

Artists: Owner of the music

Date: