





## MenuSelection

```
+menuData(sc : Scanner) : static int
throws NotANumberException
+selectAlbum5(sc : Scanner, util : Util) : static void
+selectPlaylist6(util : Util, sc : Scanner) : static void
+selectArtist7(util : Util, sc : Scanner) : static void
+selectAuthor8(util : Util, sc : Scanner) : static void
+changeContent9(util : Util, sc : Scanner, xmlfile : XmlFile) : static void
+addASongToTheSongsList(util : Util, sc : Scanner) : static void
+addAnAlbumToTheAlbumsList(util : Util, sc : Scanner) : static void
+addASongToAnAlbum(util : Util, sc : Scanner) : static void
+addAnAudioBookToTheAudioBooksList(util : Util, sc : Scanner) : static void
+createAPlaylist(util : Util, sc : Scanner) : static void
+deleteAPlaylist(util : Util, sc : Scanner) : static void
+saveApplicationInXml(xmlfile : XmlFile, util : Util) : static void
+chooseTheMusicToListen(util : Util, sc : Scanner) : static void
```

## XmlFile

```
+Root : Element
-filepathPlaylist = "files/playlist.xml" : static String
-filepathAlbum = "files/albums.xml" : static String
-filepathMedias = "files/elements.xml" : static String
-transformerFactory : TransformerFactory
-transformer : Transformer
-docFactory : DocumentBuilderFactory
-docBuilder : DocumentBuilder
-docPlaylist : static Document
-docAlbum : static Document
-docMedias : static Document

+XmlFile()
+showXML(xmlWanted : String) : void
+getContent(n : Node, tab : String) : String
-getAudioBooks(n : Node) : AudioBook
throws NotACategoryException, NotALanguageException
+getListAudioBooks : LinkedList<AudioBook>
-getSong(n : Node) : Song
throws NotAGenreException
+getListSongs : LinkedList<Song>
-getAlbum(n : Node) : Album
+getListAlbum : LinkedList<Album>
-getPlaylist(n : Node) : Playlist
+getListPlaylist : LinkedList<Playlist>
+setXmlWithUtilList(util : Util) : void
+writeXml(whereToWrite : String, util : Util) : void
```

## Music

```
+PlaySound(Sound : File, l : int) : static void
+PlayListOfSound(soundList : LinkedList<File>, l : int) : static void
+listenToSomeMusic(musicFilepath : String, sc : Scanner) : static void
+listenToAListOfMusics(listMusicFilepath : LinkedList<String>,
sc : Scanner) : static void
```

## Util

```
-audiobooksList : LinkedList<AudioBooks>
-songsList : LinkedList<Song>
-albumsList : LinkedList<Album>
-playlistsList : LinkedList<Playlist>
```

```
+Util()
+Util(au : LinkedList<AudioBooks>, so : LinkedList<Song>, al : LinkedList<Album>, pl : LinkedList<Playlist>)
+fileTheAudioBooksList(xmlfile : XmlFile) : void
+fileTheSongsList(xmlfile : XmlFile) : void
+fileTheAlbumsList(xmlfile : XmlFile) : void
+fileThePlaylistsList(xmlfile : XmlFile) : void
+addAudiobookToTheList(audiobookToAdd : AudioBooks) : void
+addSongToTheList(songToAdd : Song) : void
+addAlbumToTheList(albumToAdd : Album) : void
+addPlaylistToTheList(playlistToAdd : Playlist) : void
+getAudioBooksListForXml : LinkedList<AudioBook>
+getSongsListForXml : LinkedList<Song>
+getAlbumsListForXml : LinkedList<Album>
+getPlaylistsListForXml : LinkedList<Playlist>
+showAudioBooksNamesOrdered(orderedOrNot : String) : void
+getAudioBookIndex(thisAudioBook : String) : int
throws NotAnExistingAudioBook
+addAudioBookToNewPlaylist(thisAudioBook : String, listAudioBookPlaylist : LinkedList<AudioBook>) : String
+getAuthors : LinkedList<String>
+showSongsNamesOrdered(orderedOrNot : String) : void
+getSongIndex(thisSong : String) : int
throws NotAnExistingSong
+addSongToNewAlbumOrPlaylist(thisSong String, listSongAlbumOrPlaylist : LinkedList<Song>) : String
+addSongToAlbum(thisSong : int, thisAlbum : int) : void
+musicToListen(thisMusic : String, kindOfMusic : String) : String
+showAlbumsNamesOrdered(orderedOrNot : String) : void
+getAlbumIndex(thisAlbum : String) : int
throws NotAnExistingAlbum
+getAlbumSongsFilepath(albumWanted : String, sc : Scanner) : LinkedList<String>
+showPlaylistsNamesOrdered(orderedOrNot : String) : void
+getPlaylistIndex(thisPlaylist : String) : int
throws NotAnExistingPlaylist
+getPlaylistMusicsFilepath(playlistWanted : String, sc : Scanner) : LinkedList<String>
```

