

## Music Library Management System (MLMS) - Documentation

Class album:

```
package musicLibrary;  
import java.util.ArrayList;  
import java.util.List;  
public class Album {  
    private String title, artist;  
    private int releaseYear;  
    private List<Track> tracks = new ArrayList<>();  
  
    // Constructors, getters, setters, and toString method can be implemented here  
}
```

Class Track:

```
package musicLibrary;  
public class Track {  
    private String title, artist, genre;  
    private int durationInSeconds;  
  
    // Constructors, getters, setters, and toString method can be implemented here  
}
```

Class MLMS:

```
package musicLibrary;  
import java.util.ArrayList;  
import java.util.List;  
public class MLMS {  
    private List<Album> library = new ArrayList<>();
```

```
public void addAlbum(Album album) {  
    library.add(album);  
}
```

```
    // Methods for adding tracks to albums, removing albums, removing tracks, printing  
    library information, etc.  
}
```

MLMS Tester Class:

```
package musicLibrary;  
public class MLMS_Tester {  
    public static void main(String[] args) {  
        Album album1 = new Album();  
        album1.setTitle("Thriller");  
        album1.setArtist("Michael Jackson");  
        album1.setReleaseYear(1982);  
        // Add tracks to album1  
  
        Album album2 = new Album();  
        album2.setTitle("Dark Side of the Moon");  
        album2.setArtist("Pink Floyd");  
        album2.setReleaseYear(1973);  
        // Add tracks to album2  
  
        MLMS mlms = new MLMS();  
        mlms.addAlbum(album1);  
        mlms.addAlbum(album2);  
        // Test other MLMS functionalities  
    }  
}
```