

iPod Model

- Interface MediaPlayer consists of common functionalities of iPod and Playlist.
It includes:
 - public Song getSong(int songIndex)
 - public Song getNextSong();
 - public Song getPreviousSong();
 - public void addSong(Song song);
 - public void removeSong(int songIndex);
 - public boolean isShuffle();
 - public void setShuffle(boolean shuffle);
- iPod consists of lists of songs and lists of playlists
It implements the interface MediaPlayer
It provides the following functionality:
 - Sorting by song names
 - Creating Playlist
 - Shuffle functionality which would play songs in the random order
 - Playing next and previous songs in iPod
- Playlist has playlistName and consist of list of songs
It implements the interface MediaPlayer
It provides the following functionality:
 - Shuffle functionality which would play songs in the random order
 - Playing next and previous songs in Playlist
- Song consists of attributes songId, songName, artist and others.
It implements Comparable interface to sort songs by their names.