HomeWork2

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As I know, in this project including 3 methods are:

1. recordSongPlays
2. getPlaysForSong
3. getTopNSongsPlayed

I have a **SongCacheImpl** class that implement **SongCache** interface. Inside I create two Map which are songs and sortedMap.

The sortedMap, I am using TreeMap to make it sorted results. Also, it contains with Comparator to compare the song which is the most popular and make it sorted.

In **getPlaysForSong** method, I’m using the **getOrDefault** of the Map interface implement by HashMap. It working by get key, and if no key or specific key, return -1;

In **getTopNSongsPlayed** method, I put all songs into the sortedMap I created. I search from online by using iterator to schedule key and value through Map.entrySet. I checked if it is empty, then using singleton double check solution.