CECS 323 LAB MANY TO MANY WITH HISTORY

OBJECTIVE: To gain some first-hand experience with modeling a many to many with history in a case that does not involve time.

INTRODUCTION: We want to manage playlists of tunes.

For our purposes, we will assume that you can identify a piece of music by the composer and the year that it was written. Remember that this is data about the music itself, **not** any **performances** of the piece.

- Each playlist has a unique name.
- Each playlist is a sequence of pieces of music.
- A given piece of music could occur more than once in a playlist. The distinction being the position of the song in the playlist.
- We will keep track of **when** the song was added to the playlist, but only the first time that we add it.
  - So, if a song shows up in the playlist in position 7, and then gets added to position 12 later, we just keep the date on which the song was added to position 7.
  - If later yet, the song is a real hit, and the user decides to add it to the playlist at position 3, replacing another song, we still just keep track of when that song was added to the playlist in the first place.

PROCEDURE:

1. UML model the above information.
2. Make your relation scheme diagram for the UML.

WHAT TO TURN IN:

- Your UML diagram.
  - A brief statement of why you chose to model the many to many associations the way that you did.
- Your relation scheme diagram.
- Your collaboration document.