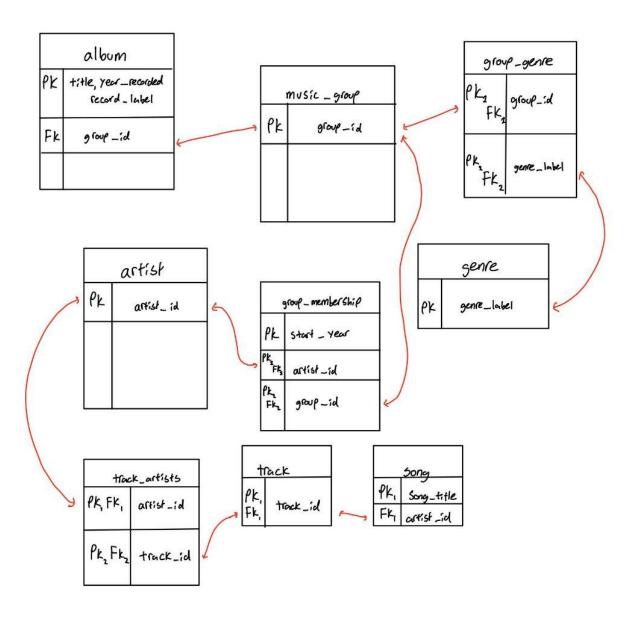
1.

```
album(title, year recorded, record label, group_id)
FK: album(title, year_recorded, record_label) REFS music_group.group_id
music_group(group_id, group_name, year_created)
genre(genre_label, genre_descrip)
group genre(group id, genre label)
FK: group_genre.group_id REFS music_group.group_id
    group_genre.genre_label REFS genre.genre_label
artist(<u>artist_id</u>, artist_name, birth_year)
group_membership(artist_id, group_id, start_year, end_year)
FK: group membership.artist id REFS artist.artist id
    group_membership.group_id REFS music_group.group_id
track(track_id, track_name, year_rec)
FK: track.track_id REFS song.song_title
song(song title, year written, artist id)
FK: song.artist id REFS track.track id
track_artists(track_id, artist_id)
FK: track_artists.track_id REFS track.track_id
    track_artists.artist_id REFS artist.artist_id
```



3.
Based on the given definition of a "well designed" schema, I'd say that my schema is pretty decent as it does not have very much redundancy. All attributes and constraints are met, and they are all separated into a variety of relations with lots of foreign keys to link it all together. Visualizing my schema using a schema diagram helps confirm this.

- (b)

  π model, price (pc ≥ maker = B (product))
- (C) The marker ( Product M ( laptop (laptop MPC)))
- (d) That ( Town+ > 1 (PC2. hd = PC2. hd) ( PC2 (PC) M PC2 (PC))
- (e)
  The maker ( Topeed = max\_speed (PC)(PC))