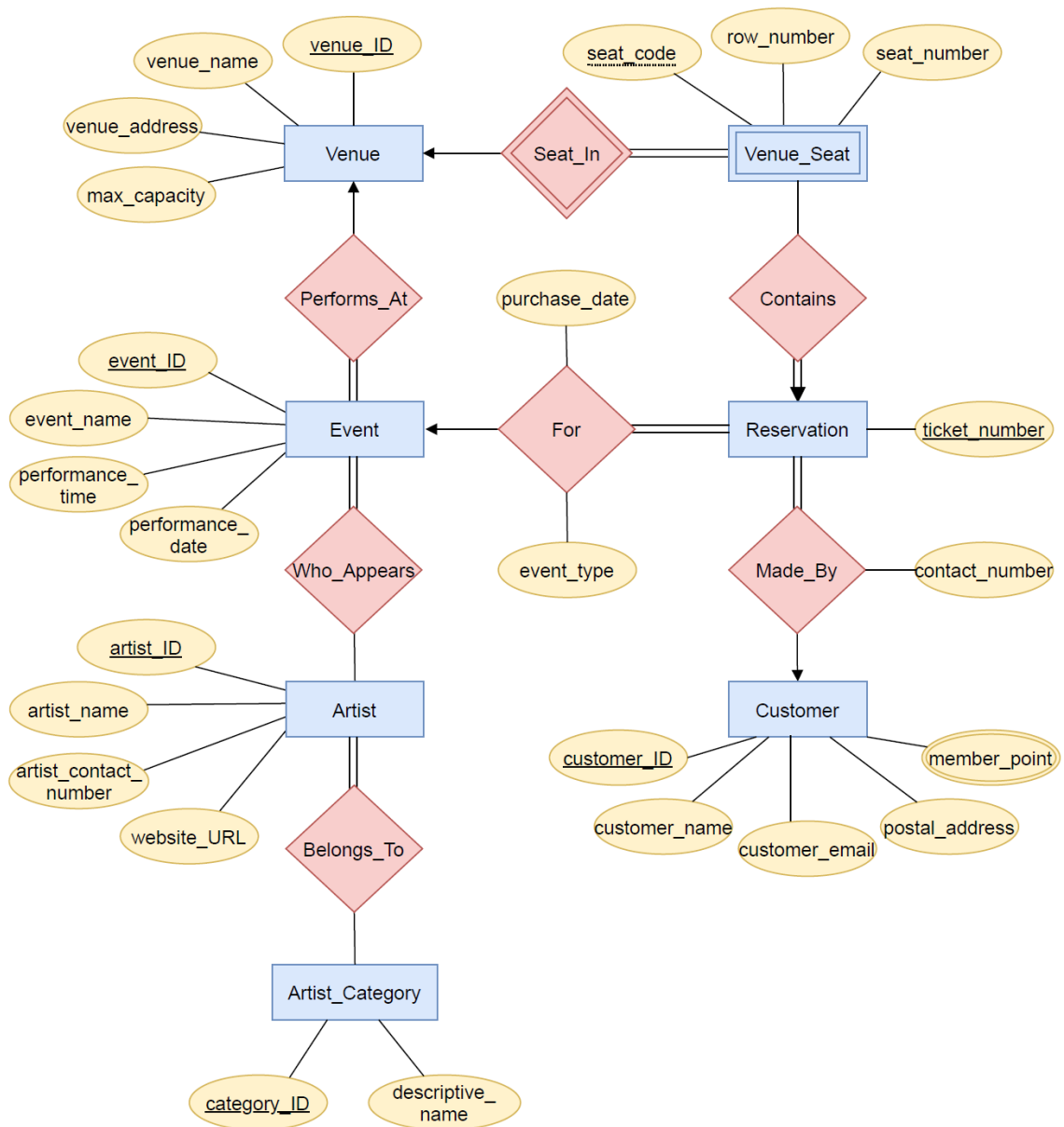# Task 1: ER-diagram design

Task 2: Translation from an ER-diagram to a relational model

The underlined attributes represent Primary Key (PK).

Playlist = (playlist_ID, title)

User = (user_ID, user_name, user_email, user_country)

Artist = (artist_ID, artist_name, artist_country)

Song = (song_ID, song_name, duration)

Playlist_Track = (playlist_ID, track_no, song_ID),
Attribute 'Playlist_Track(playlist_ID)' is a foreign key to the PK of 'Playlist',
Attribute 'Playlist_Track(song_ID)' is a foreign key to the PK of 'Song'

User_Playlist = (playlist_ID, user_ID)
Attribute 'User_Playlist(playlist_ID)' is a foreign key to the PK of 'Playlist',
Attribute 'User_Playlist(user_ID)' is a foreign key to the PK of 'User'

Album = (playlist_ID, year)
Attribute 'Album(playlist_ID)' is a foreign key to the PK of 'Playlist'

Main_Artist = (playlist_ID, artist_ID)
Attribute 'Main_Artist(playlist_ID)' is a foreign key to the PK of 'Album',
Attribute 'Main_Artist(artist_ID)' is a foreign key to the PK of 'Artist'

Follows = (user_ID, artist_ID)
Attribute 'Follows(user_ID)' is a foreign key to the PK of 'User',
Attribute 'Follows(artist_ID)' is a foreign key to the PK of 'Artist'

Performs_on = (song_ID, artist_ID)
Attribute 'Performs_on(song_ID)' is a foreign key to the PK of 'Song',
Attribute 'Performs_on(artist_ID)' is a foreign key to the PK of 'Artist'