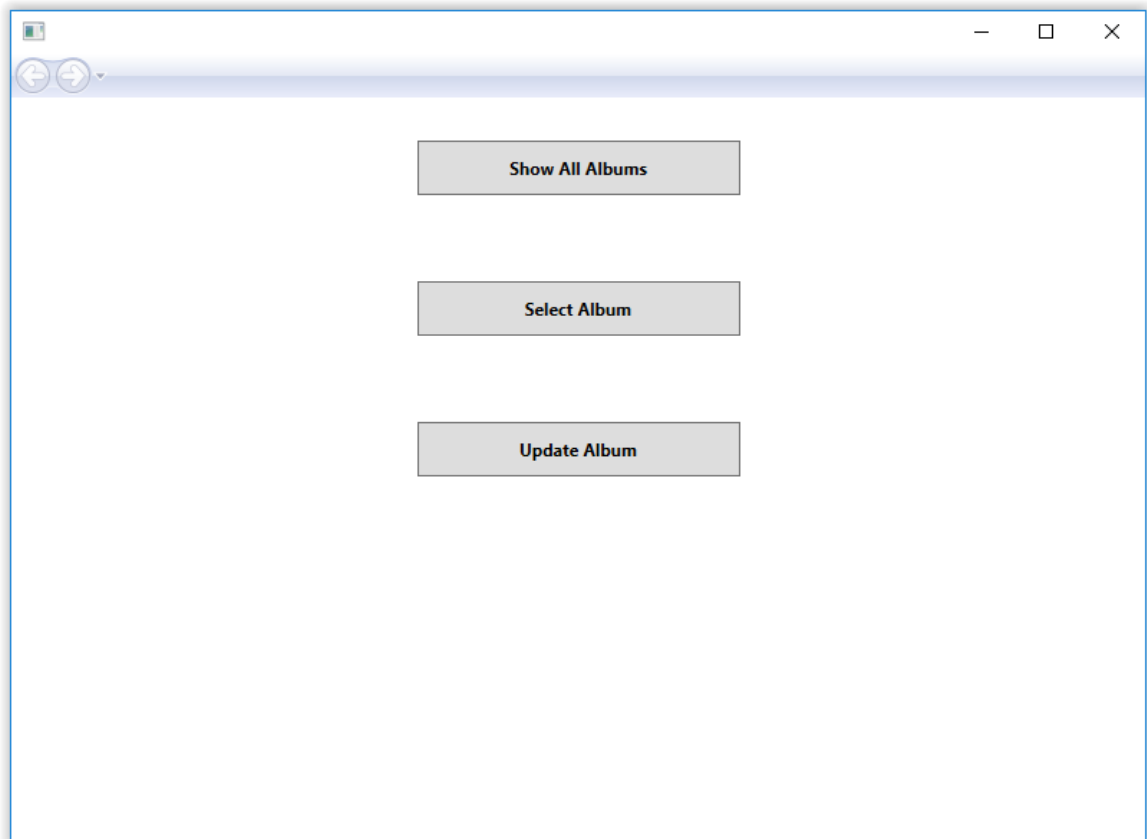# How to work with parameters and stored procedures

1. Create a new solution called **AlbumAdmin** with a project called **AlbumAdmin** and another project **MusicStoreData**. The first project contains the GUI, the second the database access classes and the DB itself.

   The *MainWindow* should be a *Page* (not a *Window*) control. It should contain 3 buttons to navigate to 3 other pages. (Use the NavigationService property of the Page class to navigate).

   The result should look as follows:

   a) When you click the **Show All Albums** button you get the following:

Tip: use a *DataGrid* and set the *AutoGenerateColums* property to *true*.

b) When you click the **Select Album** button you get the following:
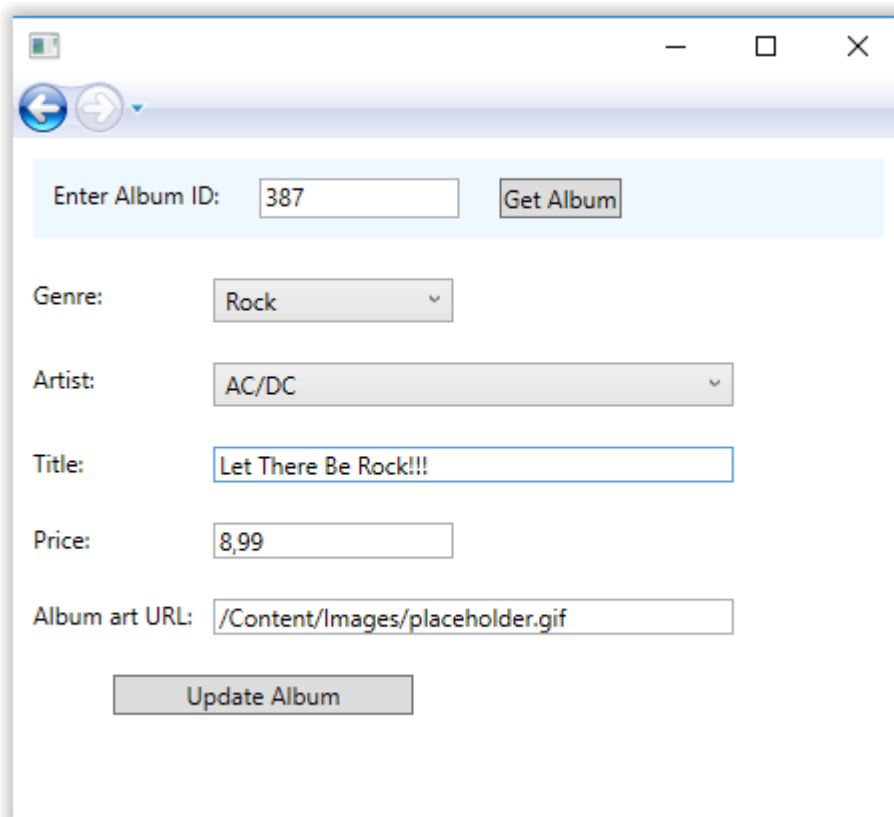
When you have entered a correct **album ID**, you can click the **Get Album** Button to retrieve the album. Create a method **GetAlbumById** in the **AlbumRepository** class.

Attention: you have also to retrieve the Genre Name and Artist Name using the genreId and the artistId of the Album.
Therefore create a method **GetGenreById** in the **GenreRepository** class and a method **GetArtistById** in the **ArtistRepository** class.

Show a *MessageBox* when the album could not be found.

c) When you click the **Update Album** button you get the following Form:

When you have entered a correct **album ID**, you can click the **Get Album** Button to retrieve the album (when you enter an albumId that doesn't exist, you get the error message that no Album was found). You can change the album data and save the changes to the database by clicking the **Update Album** button.

Create a method **UpdateAlbum** in the **AlbumRepository** class.

<u>Attention</u>: All the genres and all the artists have to appear in the comboboxes so the user can choose a new genre / artist.

Therefore create a method **GetAllGenres** in the **GenreRepository** class and a method **GetAllArtists** in the **ArtistRepository** class.

2. Apply parameters wherever possible!
3. Experiment with Insert, Update and Delete. E.g. provide a screen for adding, deleting and modifying genres.