

## Loading Related Object

Download **Section 7 - Exercise Files.zip** attached to this lecture and open the solution in Visual Studio. Then, go to **Tools > Package Manager > Package Manager Console** and run **Update-Database**. This will generate a new database called **Vidzy\_Queries** populated with some data.

Write a query to load all videos in the database. Iterate over the videos and display the name and genre of each video. You'll get a `NullReferenceException`. Why? Because you didn't eager load the videos with their genres and lazy loading is not working in the current solution.

Modify the code to enable lazy loading. Then run the program and ensure that videos and their genres are displayed. Inspect the queries ran by Entity Framework using SQL Profiler. Observe the N + 1 problem.

Next, use eager loading to solve the N + 1 problem. Inspect the queries using SQL Profiler again and notice the difference.

As an alternative solution, use explicit loading to solve the N + 1 problem.