# Custom Migration Project

Note: Must have at least one migration in project with data context before moving – this ensures the “Add-Migration” command can find the dbContext.

Add new class library project (ShoppingCartMigrations)

Move migrations folder into new project

Rename namespace in migrations folder to match project name (ShoppingCartMigrations)

Set Project Output Path of ShoppingCartMigrations to the same folder as the ShoppingCartEF project

Add reference to ShoppingCartEF from ShoppingCartMigrations

Add NuGet packages Microsoft.Extensions.Configuration

Add NuGet packages Microsoft.Extensions.Configuration.Json

Add AppSettings to ShoppingCartEF

Revise ShoppingCartDS

Constructor – supply DbContextOptions (pass to base) and connection string

OnConfigure – revise “UserSqlServer” to include parameter for path to migrations project

Add DesignTimeDbContextFactory to ShoppingCartEF

PM> add-migration ShoppingCartMigrations.empty-test -verbose -startupproject shoppingcartef -project shoppingcartmigrations