Migrations for Entity Framework 6 SQLite provider

**Limitations:**  
- Relationships are not enforced with constraints  
- There can be only one identity column per table and will be created as integer and primary key (other primary keys will be ignored)

Download the library (using NuGet):

System.Data.SQLite.EF6.Migrations

Create classes:

public partial class Mydb : DbContext

{

public Mydb()

: base("name=MydbEntities")

{

}

static Mydb()

{

Database.SetInitializer(new MigrateDatabaseToLatestVersion<Mydb, ContextMigrationConfiguration>(true));

}

protected override void OnModelCreating(DbModelBuilder modelBuilder)

{

}

public virtual DbSet<tb> tb { get; set; }

// DbSets

}

internal sealed class ContextMigrationConfiguration : DbMigrationsConfiguration<Mydb>

{

public ContextMigrationConfiguration()

{

AutomaticMigrationsEnabled = true;

AutomaticMigrationDataLossAllowed = true;

SetSqlGenerator("System.Data.SQLite", new SQLiteMigrationSqlGenerator());

}

}

public class tb

{

[Key]

public long id { get; set; }

public string Name { get; set; }

}

add connection string:

<connectionStrings>

<add name="MydbEntities" connectionString="Data Source=C:\Users\1\Documents\Visual Studio 2015\Projects\ConsoleApplication1\ConsoleApplication1\MyDatabase.sqlite;" providerName="System.Data.SQLite" />

</connectionStrings>

change this

Hide   Copy Code

<provider invariantname="System.Data.SQLite.EF6" type="System.Data.SQLite.EF6.SQLiteProviderServices, System.Data.SQLite.EF6" />

to this

Hide   Copy Code

<provider invariantname="System.Data.SQLite" type="System.Data.SQLite.EF6.SQLiteProviderServices, System.Data.SQLite.EF6" />

enable-migrations

update Configuration.cs file:

public Configuration()

{

AutomaticMigrationsEnabled = false;

SetSqlGenerator("System.Data.SQLite", new SQLiteMigrationSqlGenerator());

}

Add-Migration -Name init -ConfigurationTypeName MyProject.Migrations.Configuration

update-database -ConfigurationTypeName MyProject.Migrations.Configuration