Getting Started

Golf Course Manager

* 1. Install Visual Studio 2015.
     1. Microsoft SQL Server Data Tools (for Entity Framework and LocalDB).
     2. Microsoft Web Developer Tools (default).
     3. Git for windows (optional).
     4. GitHub Extension for Visual Studio (optional).
  2. Restart the computer if requested.
  3. Update the installed extensions.
     1. In particular, anything to do with the Data Tools or ASP.Net.
  4. Install .Net Core.
     1. Under the View menu, navigate to Other Windows, Package Manager Console
     2. Type in the following commands to bring in the latest .Net Core runtimes.
        1. dnvm upgrade
        2. dnvm upgrade -r CoreClr
     3. The installation will proceed without much feedback.
     4. Test the installation with the "dnu --help" command. It should list the available commands.
  5. Clone the git repository
     1. From the Start Page, click Open from Source Control...
     2. On the Team Explorer - Connect pane, Clone under Local Git Repositories.
     3. For the URL, use <https://github.com/addisonbabcock/BAIS3230.git>
     4. For the local path, use whatever suites your environment.
     5. Click the Clone button.
  6. Open the solution.
     1. Still on the Team Explorer - Connect pane, double click on BAIS3230 (the repository you just cloned).
     2. Double click on the GolfCourseManager.sln solution.
     3. Visual Studio will now begin downloading the appropriate dependencies.
     4. You can watch the progress in the Output pane.
  7. Setup the database.
     1. Open the SQL Server Object Explorer pane. (View -> SQL Server Object Explorer)
     2. Expand the SQL Server -> (localdb)\ProjectsVS12 -> Databases node.
     3. Right click on the Databases node and select Add New Database.
     4. Name the database GCM and put it in an appropriate location.
  8. Setup the database connection string.
     1. You will only need to do this if you are putting the database somewhere other than the default.
     2. In the Solution Explorer pane, open appsettings.json
     3. Change the ConnectionString value to match your database.
  9. Compile the solution.
     1. From the Build menu, select Rebuild Solution.
  10. Run Entity Framework Migrations to populate the database.
      1. In the Package Manager Console, navigate to the project directory.
      2. From the root of the solution:
         1. cd .\GolfCourseManager
         2. ls
      3. You should see the appsettings.json file listed in the output. If you don't, make sure your current directory is the one with the project file.
      4. Now run EF Migrations:
         1. dnx ef database update
      5. If your connection string was set correctly, this should complete quickly. If it fails double check your connection string.
  11. Run the application.
      1. Press F5.
      2. On the first run, the database will be automatically populated with a normal user and an admin user to be used for testing.
         1. testlogin / P@ssword1
         2. admin / Adm1nP@ss