1. If you do not already have a GitHub account, make one
2. Install Microsoft Visual Studio (or Rider if you have a JetBrains account)
   1. Install packages for
      1. Aspnet
      2. Azure
3. Fork Tim Severson’s Curesort repository on GitHub
   1. <https://github.com/MilesCraft/CureSort2/tree/master/src/CureSort2>
4. Install the most recent version of dotnet sdk version 1
   1. For us it was 1.1.12
      1. Version 2 point anything won’t work with curesort
   2. <https://dotnet.microsoft.com/download/dotnet-core/1.1>
5. Microsoft SQL Server Express. Choose basic installation
   1. <https://www.microsoft.com/en-us/sql-server/sql-server-editions-express>
   2. Use the Microsoft SQL Server Management Studio (SSMS) to interact with the database using a GUI instead of the command line.
      1. Should be installed with SQL Server Express or offered as an option post installation
6. Microsoft LocalDB
   1. <https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/sql-server-express-localdb?view=sql-server-2017>
   2. When running the SQL Server Express select the media installation package (should be furthest right). In that installer there should be an option to download the LocalDB package, do that.
7. Use Windows Command Prompt to create a local server
   1. Run the command: sqllocaldb c “MSSQLLocalDB” -s
8. In the window that pops up when opening Microsoft SQL Server Management Studio create a new database with the name (LocalDb)\MSSQLLocalDB
   1. Server type: Database Engine
   2. Select Windows Authentication
9. Right click the database folder in the server and create a new database in the local server named aspnet-CureSort2-0a611bbb-41e5-499f-86f9-e9aba4e129ca
   1. Select default owner
10. Install the x64 Microsoft Access Database driver
    1. <https://www.microsoft.com/en-us/download/details.aspx?id=13255>
11. Search import in the windows search bar, select the SQL Server (year) Import and Export Data. Use this to import (data source) from the Excel file
    1. Excel File to import from can be located here <https://drive.google.com/file/d/0BwOertZZpbL8aW5KSktBZ0RBajJtRmZiWXMxUnEzNnh3UC1N/view?usp=sharing>
    2. Select 2007 - 2010 excel
    3. Select first row has column names box
12. For the destination select the type SQL Server Native Client 11.0
    1. Erase the default server name, type in (LocalDb)\MSSQLLocalDB
       1. If you select the drop down arrow it may freeze for a bit, then erase the server name
    2. Select use windows authentication
    3. Database is aspnet-CureSort2-0a611bbb-41e5-499f-86f9-e9aba4e129ca
13. Copy data from one or more tables or views
14. Select all Tables and views
15. Hit finish, then hit finish again
16. Should now be able to run curesort code using the local database.

**Note**

This guide should help you get to the stage that we found ourselves in by the end of this project. However, when you get to the end it is very possible that the code runs but fails to allow you to log in or query the database. We believe that something on our machines is failing to authenticate, but it could just as likely be something else.