OnlineDietitian Back-End Setup

Last Update: Diego Gomez (10/14/2019)

Environment Setup

1. Install Microsoft Visual Studio 2019
2. Install MySQL Installer for Version 8.0.17
   1. Use link: <https://dev.mysql.com/downloads/installer/>
   2. Select all developmental configuration for downloads
      1. Make sure to have installed MySQL Server (8.0.17)
      2. Make sure to have installed Connector/C++ (8.0.17)
         1. Select Developmental Options under Connector tab
   3. Documentation:
      1. <https://dev.mysql.com/doc/mysql-installation-excerpt/8.0/en/>
      2. <https://dev.mysql.com/doc/connector-cpp/8.0/en/>
3. (Potential Development)\* Install Wt
   1. Use link: <https://github.com/emweb/wt/releases>
   2. Install Wt 4.1.1 for MSVS version installed (Preferably 2019)
   3. Documentation:
      1. <https://redmine.emweb.be/projects/wt/wiki/Installing_Wt_on_MS_Windows>
      2. <https://www.webtoolkit.eu/wt/doc/tutorial/wt.html>
4. Project Configurations
   1. Create a new project for an empty C++ project.
   2. Create a basic cpp file to allow for property configurations
   3. Right click on project and go to properties
      1. C/C++ -> General, Additional Include Directories
         1. C:\locationOf\MySQL\MySQL Server 8.0\include
         2. C:\locationOf\MySQL\Connector C++ 8.0\include
            1. Will not show if ‘Development Options’ wasn’t selected
         3. (Potential Development) C:\locationOf\Wt 4.1.1 msvs2019 x64\include
      2. Linker -> Input, Additional Dependencies
         1. libmysql.lib
         2. vs14/mysqlcppconn8.lib
         3. vs14/mysqlcppconn8-static.lib
         4. Potentially:
            1. wtd.lib
            2. wthttpd.lib
            3. wtdbod.lib
            4. Wtdbomysqld.lib
      3. Linker -> General, Additional Library Directories
         1. C:\locationOf\MySQL\MySQLServer 8.0\lib
         2. C:\locationOf\MySQL\Connector C++ 8.0\lib64
         3. (Potential Development) C:\locationOf\Wt 4.1.1 msvs2019 x64\lib

Error Handling

1. Before being able to install MySQL, you may need to clear any Microsoft Visual C++ Redistributables from future installations of MSVS
2. Previous MSVS may cause error when installing, reinstallation of MSVS 2019 can fix after deleting previous versions.

\*Potential Development is marked as an area of back-end development that isn’t completely fleshed out and may be removed upon further discussion. Download of content is not necessary till further notice.