



## Readme

TTUgle was created using Visual Studio 2005, Mysql, mysql++, cgicc, and a socket library. The project can be found online at <http://ttugle.com> then click on Online Demo under Greg. The project forms a single exe which is designed to run on Microsoft IIS. The exe may run on the Apache web server but this has not been tested.

## Files

- Constants.h- Contains the constants such as database access information and the location the exe is stored on the server.
- Functions.h & functions.cpp- these files contain the `hashAndWordTable`. This class is used to hash and count the words that appear on each page.
- getPage.h & getPage.cpp – These pages declare the `getPage` function. This function the source code of a webpage from the internet. The `getPage` function is in a separate file because Visual Studio will not compile it when it is with the Mysql libraries.
- Importer.h & importer.cpp- The files contain the `Importer` class. This class handles all insertions into the database. The class can read files from the local machine or crawl the internet to find pages.
- Main.cpp- This file contains the main function of the program.
- Socket.h & socket.cpp- These files provide the `Socket` class created by René Nyffenegger.
- Timer.h & timer.cpp- These files provide the `Timer` class which is used to gather the runtime of a function.
- Webinterface.h & webinterface.cpp- These files provide the `webInterface` class. This class handles the html page generation and parses the webforms.
- Websearch.h & websearch.cpp- These files provide the `webSearch` class. This class performs the searches to the database.

## Requires

This project requires the mysql++ library and the cgicc library to compile. Both these libraries are available online at <http://ttugle.com>.