# Section 2 – Design

## Part (A) – Methods, Variables, Classes & Parameters

### Methods

Due to the nature of my project (A website), while there are still a few helper functions, the majority of the code is in the form of method like segments separated by HTML content. For this reason, I will treat relevant segments similar to anonymous (lambda) functions and include these in my method table along with the functions in the helper classes.

Method tables

*Note: All method tables subject to change*

*Note: Only page with methods have a method table*

index.php

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Parameters | Purpose | Output/Return | Possible error output |
| anon | None | Log user’s IP Address, time and date into the database | None | Connection error message  MySQLi error message |

connect.php

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Parameters | Purpose | Output/Return | Possible error output |
| connect | None | Reads database access tokens from server HDD and connects to the database using said access tokens | MySQLi database connection object | Connection error message  MySQLi error message |

downloadsearchq.php

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Parameters | Purpose | Output/Return | Possible error output |
| anon | q (POST from prev page) | Uses MySQLi LIKE clause to query the database for questions where the query POSTed to the page (q) is either in the title or question body. The returned questions are then outputted in a format where searchq.php can output them. | Title, id and number of votes from matching questions returned from the database | Connection error message  MySQLi error message |

question.php AT TIME OF WRITING I HAVE NO IDEA WHY SetCookies EXISTS AND WHAT ITS PURPOSE IS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Parameters | Purpose | Output/Return | Possible error output |
| SetCookies | None | Store the current question id in a cookie called “current\_qid” and store a Boolean value in a cookie called “logged\_in” depending on if the user is logged in or not. Also creates a cookie called “current\_username” and sets it to the user’s username if the user is logged in.  However, if no question id is specified in the URL, redirect the user to error.php specifying the error URL parameter as noquestionid. | No output, but can create and set cookies and redirect the user to the error page. | Connection error message  MySQLi error message |
| Anon | None | Queries the database for the |  |  |