**Program specification 1.1.1 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Confirm User

Purpose: Ensure the user trying to view the page is supposed to be there

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML

Events: A user is trying to access a page that should not be visible by unauthorized visitors

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| $\_SESSION | Global Array | 1.1.1 | This module retrieves the session information to see if users are logged in |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| loggedIn | boolean | 1.1 | loggedIn refers to whether the user is logged in, passed to the next modules to perform different tasks |

Pseudocode:

If $\_SESSION[“loggedIn”] = 1 and if $\_SESSION[“userType”] is equal to a valid user type

loggedIn = true

else

loggedIn = false

**Program specification 1.1.2 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Query Database

Purpose: Retrieve Required Information from the Database

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML

Events: Information needs to be retrieved from the database

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Form variables | array | 1.1.2 | This module retrieves information from an HTML form |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Database Credentials | string | 1.1.2.1 | Credentials to create a database connection |
| Form variables | array | 1.1.2.2 | Retrieved information from the form |
| Prepared statement | string | 1.1.2.3 | Prepared SQL statement to query the database |

Pseudocode:

Call 1.1.2.1

Call 1.1.2.2

Call 1.1.2.3

**Program specification 1.1.2.1 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Connect to Database

Purpose: Create a database connection

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML, SQL

Events: Process 1.1.2 provides it with database credentials

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Database credentials | string | 1.1.2.1 | This string is used to connect to the database |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Database connection object | MySQL object | 1.1.2.2 | Database connection is created and passed as an object to the next process |

Pseudocode:

Create new MySQL connection using database credentials

**Program specification 1.1.2.2 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Prepare Statement

Purpose: Prepare an SQL statement

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML, SQL

Events: A database connection has been created and an SQL statement needs to be prepared to retrieve information from the database

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Form variables | array | 1.1.2.2 | These are the variables that need to be put into the SSQL statement |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Prepared statement | string | 1.1.2.3 | Prepared statement that will be used to query the database |

Pseudocode:

Create SQL statement that uses form variables

**Program specification 1.1.2.3 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Execute Statement

Purpose: Execute the prepared SQL statement

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML, SQL

Events: An SQL statement has been created

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Prepared statement | string | 1.1.2.3 | This is the statement prepared in 1.1.2.2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Statement object | object | 1.1.2 | Object storing the requested data from the database |

Pseudocode:

Execute(Prepared statement)

**Program specification 1.1.3 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Display New Staff Form on Screen

Purpose: Display new staff form on screen

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML

Events: Required information has been retrieved from the database

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Statement object | object | 1.1.3 | This is the information retrieved from the database in 1.1.2.3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Statement Object | object | 1.1.3.1 | Object storing the requested data, being passed to the 1.1.3.1 process |

Pseudocode:

<?php

<html>

<new staff form>

</html>

?>

**Program specification 1.1.3.1 for 1.1 Display New Staff Form**

Module\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Display query details

Purpose: Display the information retrieved from the database

Programmer: Justin Alho

Date due: 3/17/20

Languages: PHP, HTML

Events: Required information has been retrieved from the database

|  |  |  |  |
| --- | --- | --- | --- |
| Input Name | Type | Used by | Notes |
| Statement object | object | 1.1.3 | This is the information retrieved from the database in 1.1.2.3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Output Name | Type | Used by | Notes |
| Query results | object | 1.1.3.1 | The information retrieved from the database, being output on to the screen |

Pseudocode:

<?php

Foreach (item in statement object)

Display item

?>