### **Technical Document**

### Task3

## **Database Set Up**

I set up the database by first going on the phpmyadim and then create a new database and gave it the name of synoptic.

Then I started adding the tables.

- Users,
- Posts,
- Country
- Town,
- Gallery

Then to connect the database in vs code I added a new file named db. Handler and in a PHP tag add servername, username and the most important thing the name of the database. Then add a line for the connection of the database and an if statement. I added this file in the include folder and at the top of each file, include this file name.

# Techniques used to manipulate data in your database through your web application

The insert method is used when user creates a new account and details are stored into database same goes for the posts and for the gallery.

The update is used to update the data in the database, this was used for the posts page where user can edit the post created.

The delete is used for deleting a post.

## Virtual server set up on the device

- I went to local disk
- Xampp folder
- Then click on htdocs file
- Then there created a new folder names PHPSynoptic
- Double click on the file, then went on top and took the file path
- Open vs code and file, open folder and add the path on top.
- Then i went on goggle and typed localhost/PHPSynoptic
- To connect the repository i created an new repository form GitHub
- Then from the GitHub desktop, file clone repository
- Click on URL
- Then paster the URL and click clone
- File path is the xammp htdocs/PHPSynoptic
- And then open the folder form vs code.

# Explain techniques used to build a dynamic web application.

As for templating in this project it was used for the fact that html and php where divide.

For html the header and footer were added into a folder called includes and then on each page where these were required call them in a PHP tag as required once.

| Test action   | Expected output   | Actual output   | Pass/Fail | Notes/Changes |
|---|---|---|-----------|---------------|
| Login in with right credentials   | The user is shown the home page.                                      | The user is shown the home page.                                      | Pass      |               |
| Sign out.   | As the user clicks the sign out button page is showed to the user     | The user sign out and the login page is showed to the user.           | Pass      |               |
| Login with<br>wrong<br>password on<br>login page                                  | A message is<br>shown to the<br>user saying<br>wrong<br>password      | A message is<br>shown to the<br>user saying<br>wrong<br>password      | Pass      |               |
| Click on<br>register here   | Retrieve<br>create<br>account page                                    | Retrieve<br>create<br>account page                                    | Pass      |               |
| Make a<br>password less<br>than 8 digits  | The user is shown a message that the password is less than 8 digits.  | The user is shown a message that the password is less than 8 digits.  | Pass      |               |
| Try to create account with email already existing                                 | Show<br>message the<br>email is<br>already used.                      | Shows<br>message the<br>email is<br>already used.                     | Pass      |               |
| All field<br>required<br>checking in<br>new account<br>creation for<br>Name field | A message<br>showing all<br>field required<br>is shown to<br>the user | A message<br>showing all<br>field required<br>is shown to<br>the user | Pass      |               |
| Surname   | A message<br>showing all<br>field required<br>is shown to<br>the user | A message<br>showing all<br>field required<br>is shown to<br>the user | Pass      |               |

|  | ı   | 1   | 1              | 1 |
|--|---|---|----------------|---|
| Email  | A message   | A message   | Pass           |   |
|  | showing all   | showing all   |                |   |
|  | field required  | field required  |                |   |
|  | is shown to   | is shown to   |                |   |
|  | the user  | the user  |                |   |
| Dob  |   |   | Pass           |   |
| 000  | A message   | A message   | Fd55           |   |
|  | showing all   | showing all   |                |   |
|  | field required  | field required  |                |   |
|  | is shown to   | is shown to   |                |   |
|  | the user  | the user  |                |   |
| Password   | A message   | A message   | Pass           |   |
|  | showing all   | showing all   |                |   |
|  | field required  | field required  |                |   |
|  | is shown to   | is shown to   |                |   |
|  | the user  | the user  |                |   |
| Re-Password  | A message   | A message   | Pass           |   |
|  | showing all   | showing all   |                |   |
|  | field required  | field required  |                |   |
|  | is shown to   | is shown to   |                |   |
|  |   |   |                |   |
| 0.1  | the user  | the user  |                |   |
| Other  | A message   | A message   | Pass           |   |
|  | showing all   | showing all   |                |   |
|  | field required  | field required  |                |   |
|  | is shown to   | is shown to   |                |   |
|  | the user  | the user  |                |   |
|  |   |   |                |   |
| Check if   | a message   | a message is  | Pass           |   |
| Check if password  | a message<br>should be  | a message is shown saying   | Pass           |   |
|  | should be   | _   | Pass           |   |
| password   | should be<br>shown saying   | shown saying  | Pass           |   |
| password   | should be<br>shown saying<br>password   | shown saying<br>password<br>doesn't   | Pass           |   |
| password<br>match  | should be<br>shown saying<br>password<br>doesn't match  | shown saying<br>password<br>doesn't<br>match  |                |   |
| password match  Create new   | should be<br>shown saying<br>password<br>doesn't match<br>The screen  | shown saying password doesn't match The screen  | Pass<br>Pass   |   |
| password match  Create new account   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to   | shown saying password doesn't match The screen changes , to   |                |   |
| password match  Create new account click on  | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page  | shown saying password doesn't match The screen changes , to register page   |                |   |
| password match  Create new account click on create   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes , to<br>register page<br>once, page   | shown saying password doesn't match The screen changes , to register page once, page  |                |   |
| password match  Create new account click on  | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page<br>once, page<br>once, login   | shown saying password doesn't match The screen changes , to register page once, page once, login  |                |   |
| password match  Create new account click on create   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page<br>once, page<br>once, login<br>again and  | shown saying password doesn't match The screen changes, to register page once, page once, login again and   |                |   |
| password match  Create new account click on create   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page<br>once, page<br>once, login   | shown saying password doesn't match The screen changes , to register page once, page once, login  |                |   |
| password match  Create new account click on create   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page<br>once, page<br>once, login<br>again and  | shown saying password doesn't match The screen changes, to register page once, page once, login again and   |                |   |
| password match  Create new account click on create   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes , to<br>register page<br>once, page<br>once, login<br>again and<br>show home  | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home  |                |   |
| password match  Create new account click on create register here   | should be<br>shown saying<br>password<br>doesn't match<br>The screen<br>changes, to<br>register page<br>once, page<br>once, login<br>again and<br>show home<br>page.  | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  | Pass           |   |
| password match  Create new account click on create register here   | should be shown saying password doesn't match The screen changes, to register page once, page once, login again and show home page. A new record  | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record   | Pass           |   |
| password match  Create new account click on create register here   | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the   | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the  | Pass           |   |
| password match  Create new account click on create register here   | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the   | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the database   | Pass           |   |
| password match  Create new account click on create register here  Add account to database  Click on  | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the database  | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the  | Pass           |   |
| password match  Create new account click on create register here  Add account to database  | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the database  Change screen to add  | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the database Change screen to add  | Pass           |   |
| password match  Create new account click on create register here  Add account to database  Click on Create a post                                | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the database  Change screen to add post page.   | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the database Change screen to add post page.                             | Pass Pass      |   |
| password match  Create new account click on create register here  Add account to database  Click on  | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the database  Change screen to add post page.  The user can                             | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the database Change screen to add post page. The user can                | Pass           |   |
| password match  Create new account click on create register here  Add account to database  Click on Create a post  Fill posts text               | should be shown saying password doesn't match The screen changes , to register page once, login again and show home page.  A new record added to the database  Change screen to add post page.  The user can fill text post                         | shown saying password doesn't match The screen changes , to register page once, login again and show home page. A new record added to the database Change screen to add post page. The user can fill text post            | Pass Pass Pass |   |
| password match  Create new account click on create register here  Add account to database  Click on Create a post  Fill posts text  Add image to | should be shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page.  A new record added to the database  Change screen to add post page.  The user can fill text post The user can | shown saying password doesn't match The screen changes , to register page once, page once, login again and show home page. A new record added to the database Change screen to add post page. The user can fill text post | Pass Pass      |   |
| password match  Create new account click on create register here  Add account to database  Click on Create a post  Fill posts text               | should be shown saying password doesn't match The screen changes , to register page once, login again and show home page.  A new record added to the database  Change screen to add post page.  The user can fill text post                         | shown saying password doesn't match The screen changes , to register page once, login again and show home page. A new record added to the database Change screen to add post page. The user can fill text post            | Pass Pass Pass |   |

| Add post to     | Add now                  | Add new                  | Dass   |                |
|-----------------|--------------------------|--------------------------|--------|----------------|
| Add post to     | Add new                  |                          | Pass   |                |
| database        | record post              | record post              |        |                |
|                 | to the table             | to the table             |        |                |
|                 | on php                   | on php                   |        |                |
| CI.             | myadmin.                 | myadmin.                 |        |                |
| Show post on    | As the user              | As the user              | Pass   |                |
| home page       | clicks submit            | clicks submit            |        |                |
|                 | the post is              | the post is              |        |                |
|                 | added to                 | added to                 |        |                |
|                 | home page                | home page                | _      |                |
| Show field      | As the user              | As the user              | Pass   |                |
| country name    | clicks submit            | clicks submit            |        |                |
| in post         | the country              | the country              |        |                |
| created         | name in post             | name in post             |        |                |
|                 | is shown on              | is shown                 |        |                |
|                 | home page                | home page                |        |                |
| Show field      | As the user              | As the user              | Pass   |                |
| details in post | clicks submit            | clicks submit            |        |                |
| created         | the details in           | the details in           |        |                |
|                 | post is shown            | post is shown            |        |                |
|                 | home page                | home page                |        |                |
| Show field      | As the user              | As the user              | Pass   |                |
| date in post    | clicks submit            | clicks submit            |        |                |
| created         | the date in              | the date in              |        |                |
|                 | post is shown            | post is shown            |        |                |
|                 | home page                | home page                |        |                |
| Show field      | As the user              | As the user              | Fail   | The post is    |
| image in post   | clicks submit            | clicks submit            |        | being added to |
| created.        | the image in             | the image in             |        | the database   |
|                 | post is shown            | post is shown            |        | but t is not   |
|                 | home page                | home page                |        | being shown    |
|                 |                          |                          |        | on the actual  |
|                 |                          |                          |        | page.          |
| Click on        | Delete post              | Deleted post             | Pass   |                |
| Delete button   | chosen and               | chosen and               |        |                |
| post            | remove from              | remove from              |        |                |
|                 | database and             | database and             |        |                |
|                 | home page                | home page                |        |                |
| Click edit      | The page                 | The page                 | Pass   |                |
| button          | should                   | changes and              | . 4.55 |                |
| Satton          | change and               | the user can             |        |                |
|                 | the user can             | edit the post            |        |                |
|                 | edit the post            | cuit the post            |        |                |
| Edit post       | The country              | The country              | Pass   |                |
| country name    | name field               | name field               | 1 033  |                |
| Country manne   | should be                | should be                |        |                |
|                 |                          | update in the            |        |                |
|                 | update in the            | •                        |        |                |
|                 | page and in the database | page and in the database |        |                |
| Edit post       |                          |                          | Dace   |                |
| Edit post       | The details              | The details              | Pass   |                |
| details         | field should             | field should             |        |                |

|                | be update in        | be update in        |       |
|----------------|---------------------|---------------------|-------|
|                | the page and in the | the page and in the |       |
|                | database            | database            |       |
| Click on about | Change              | Change              | Pass  |
| us page from   | screen and          | screen and          | rass  |
| nav            | show about          | show about          |       |
| liav           | us to the user      | us to the user      |       |
| Click on add   | Change              | Change              | Pass  |
| postpage       | screen and          | screen and          | 1 433 |
| from nav       | show add            | show add            |       |
| Hominav        | page to the         | page to the         |       |
|                | user                | user                |       |
| Click home     | Show home           | home page to        | Pass  |
| page from      | page to the         | the user            |       |
| nav            | user                | the doc.            |       |
| Click on add   | Show gallery        | Show gallery        | Pass  |
| photos icon    | page to the         | page to the         | . 455 |
| from nav       | user                | user                |       |
| Choose image   | open new            | open new            | Pass  |
| click on       | window              | window              |       |
| choose file    |                     |                     |       |
| Image is       | image is            | image is            | Pass  |
| shown a        | added it is         | added it is         |       |
|                | shown on add        | shown on add        |       |
|                | photos page         | photos page         |       |
| Save images    | As the user         | image is            | Pass  |
| to database    | clicks on           | saved on the        |       |
|                | submit the          | database            |       |
|                | image is            |                     |       |
|                | saved on the        |                     |       |
|                | database            |                     |       |
| Session        | User types          | User types          | Pass  |
| checking       | the URL of a        | the URL of a        |       |
|                | page he is          | page he is          |       |
|                | directed to         | directed to         |       |
|                | the login if        | the login if        |       |
|                | not signed in       | not signed in       |       |
| View profile   | Show account        | Show account        | Pass  |
| page           | details on          | details on          |       |
|                | profile page.       | profile page.       |       |