2023

MY STUDY BUDDY

DOCUMENTATION

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DOCUMENTATION
OUTLINE

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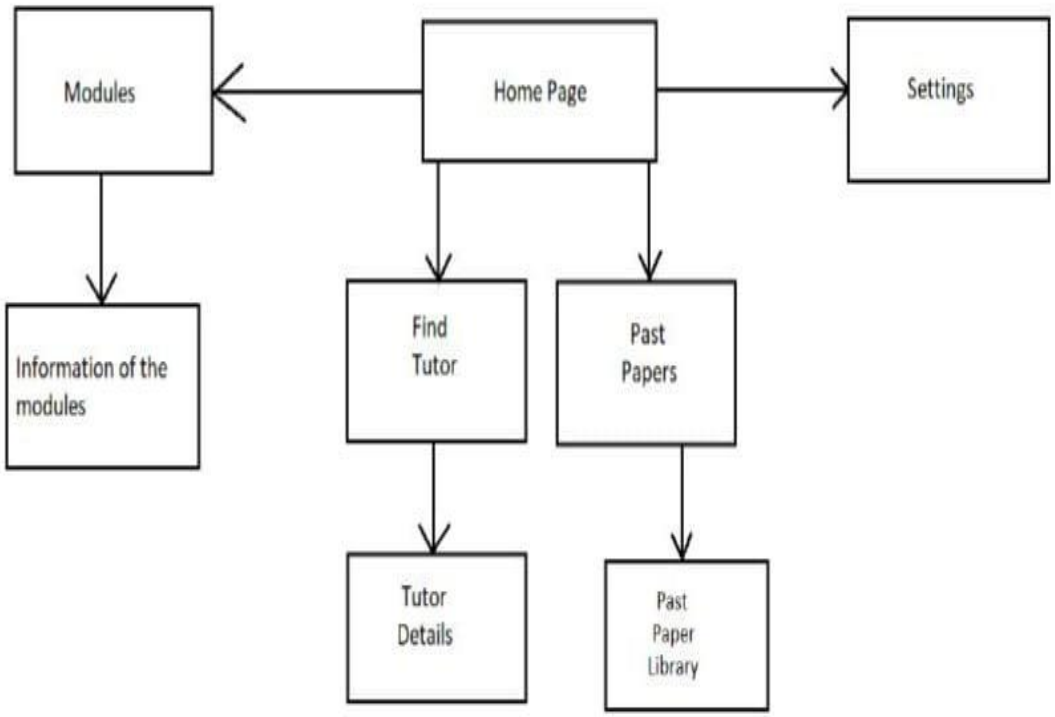
PROBLEM STATEMENT

- With the high number of failure leads to an increase in student dropout and a high number of level 7 applicants .
- Lack of information on the student portal students do not know where to get extra information , few past papers that are posted online causing poor preparation for examinations.
- Students have askofobia causing them not to ask questions in class and consult with their tutors

The Solution

- We have created an online study buddy where students can have access to YouTube videos that have detailed information about any specific module .
- In addition we have added contact details of tutors so that students can reach and ask for help where needed .
- Finally we have uploaded past papers where students can download for better preparation for their examinations .

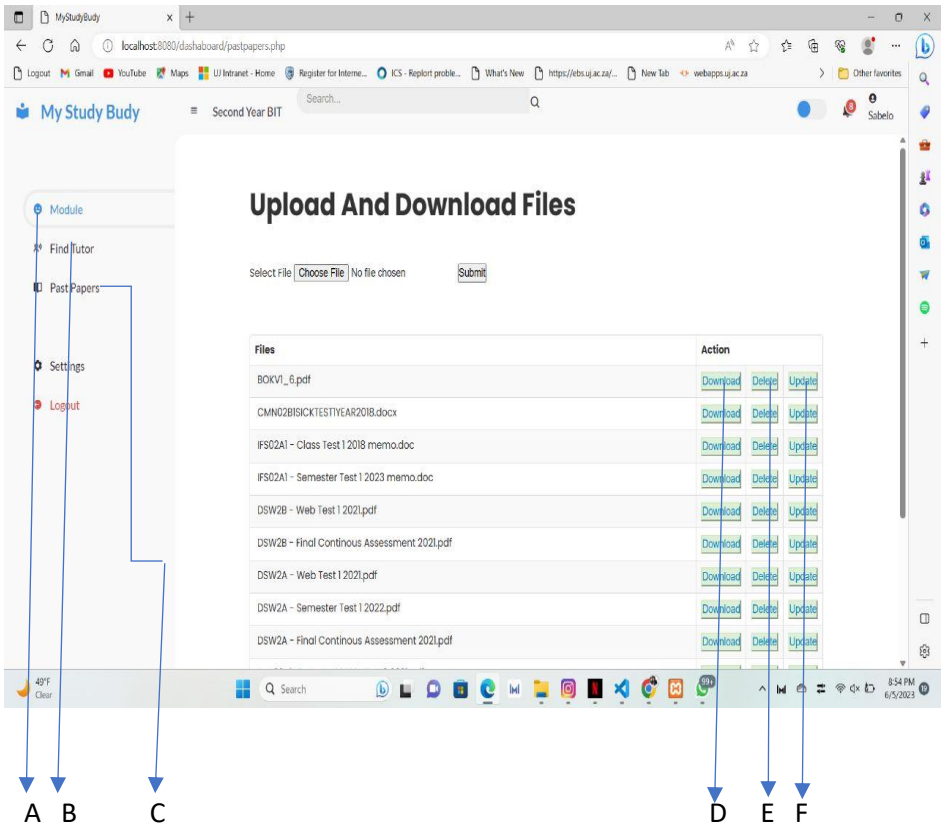
UML DIAGRAM


Modules
Home Page
Settings
Information of the modules
Find Tutor
Past Papers
Tutor Details
Past Paper Library

Mock Up

FIG 1

This picture shows the user interface and most of the website functions



A – the “Module” button shows the modules that the website offers

B – the “Find Tutor” button shows the tutors available

C – the “Past Papers” button shows the past papers that are uploaded on the website

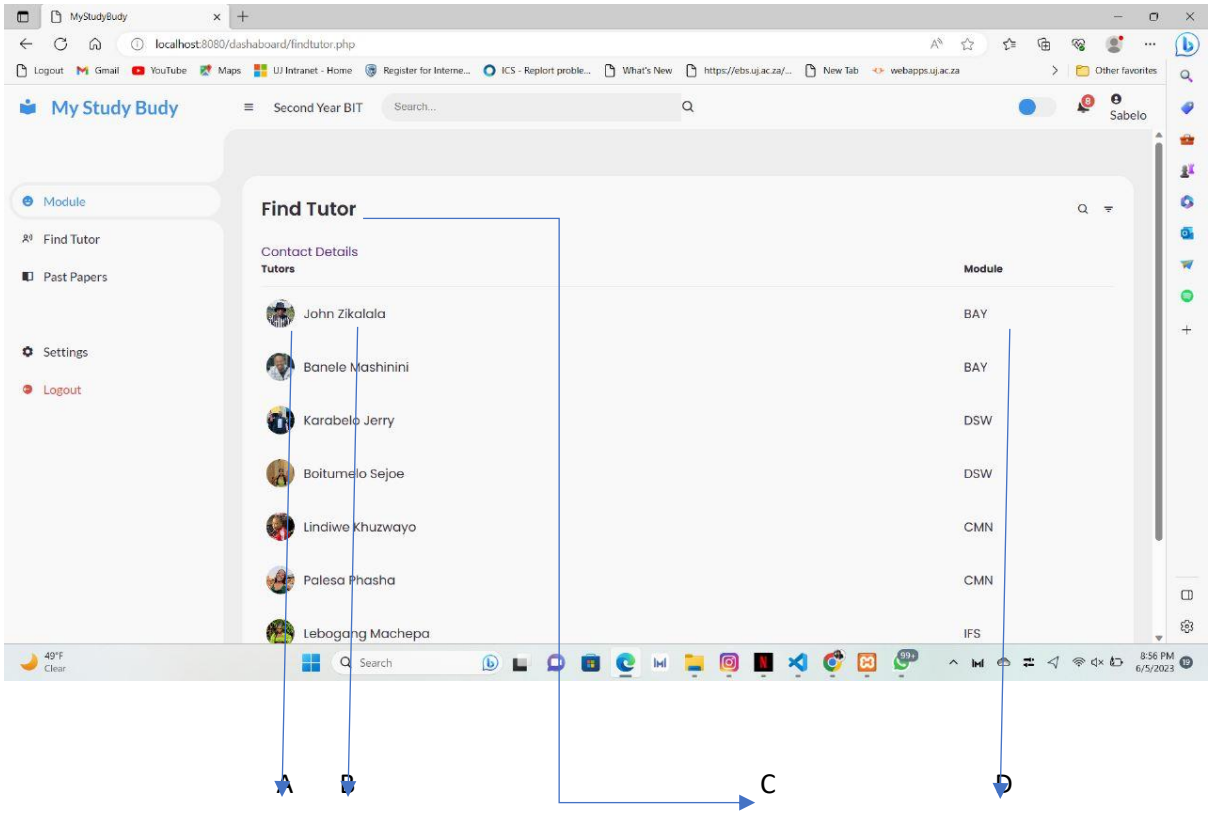
D – the “Download” button is used to download the files for future use or reading

E – the “Delete” button is used for deleting the files uploaded maybe due to errors or incorrect data

F – the “Uploading” button is used for loading files so that users can be able to access them anytime

FIG 2

This picture shows the tutor that we have and the modules they teach and the contact details that's shows the phone numbers of these tutors



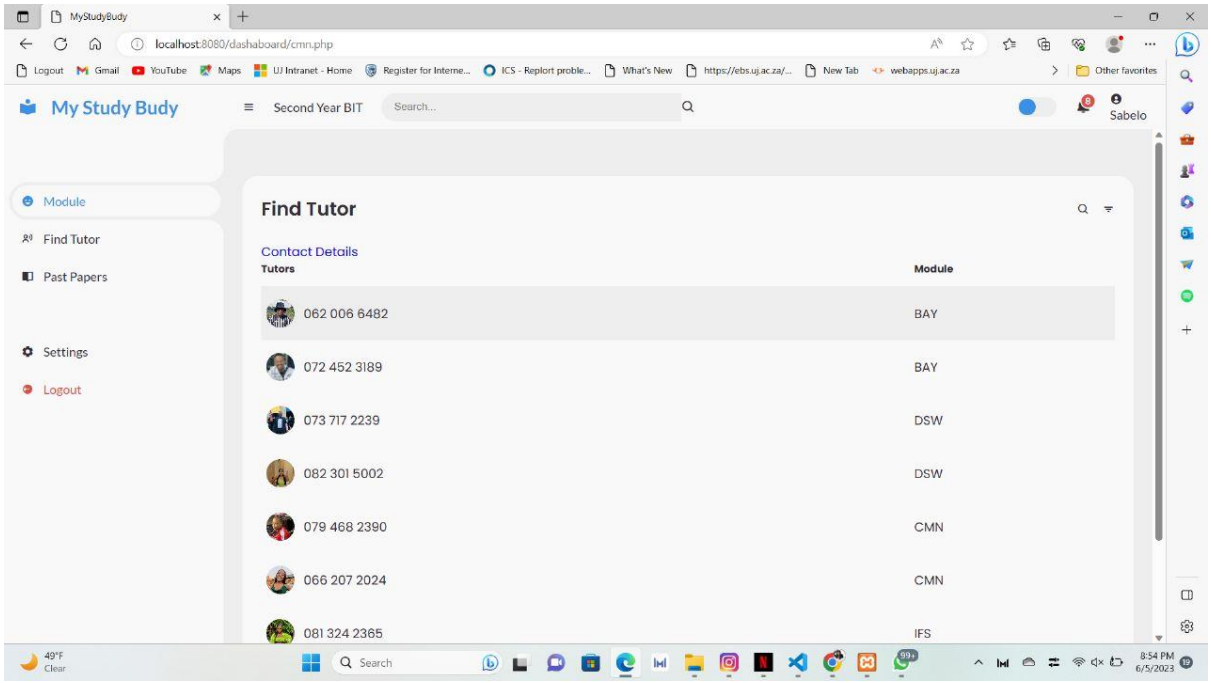
A – these are the tutor profile pictures for easy recognition

B – these are the tutor names

C – this "contact details" button shows the phone numbers for each tutor respectively as shown on Fig 3

D – these are the modules each tutor teaches as aligned

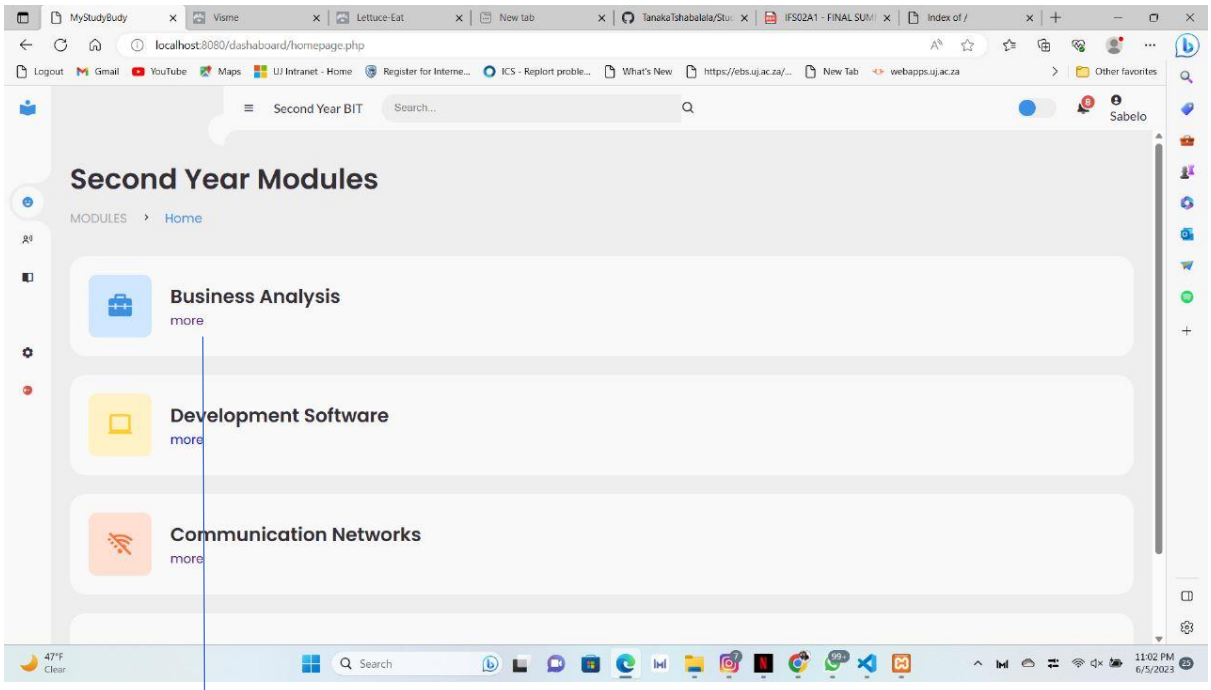
FIG 3


MyStudyBudy
localhost:8080/dashaboard/cmn.php
My Study Budy
Second Year BIT
Search...
Sabelo
Module
Find Tutor
Past Papers
Settings
Logout
Find Tutor
Contact Details
Tutors
Module
062 006 6482
BAY
072 452 3189
BAY
073 717 2239
DSW
082 301 5002
DSW
079 468 2390
CMN
066 207 2024
CMN
081 324 2365
IFS
49°F
Clear
Search
8:54 PM
6/5/2023

THE API USED

FIG 4

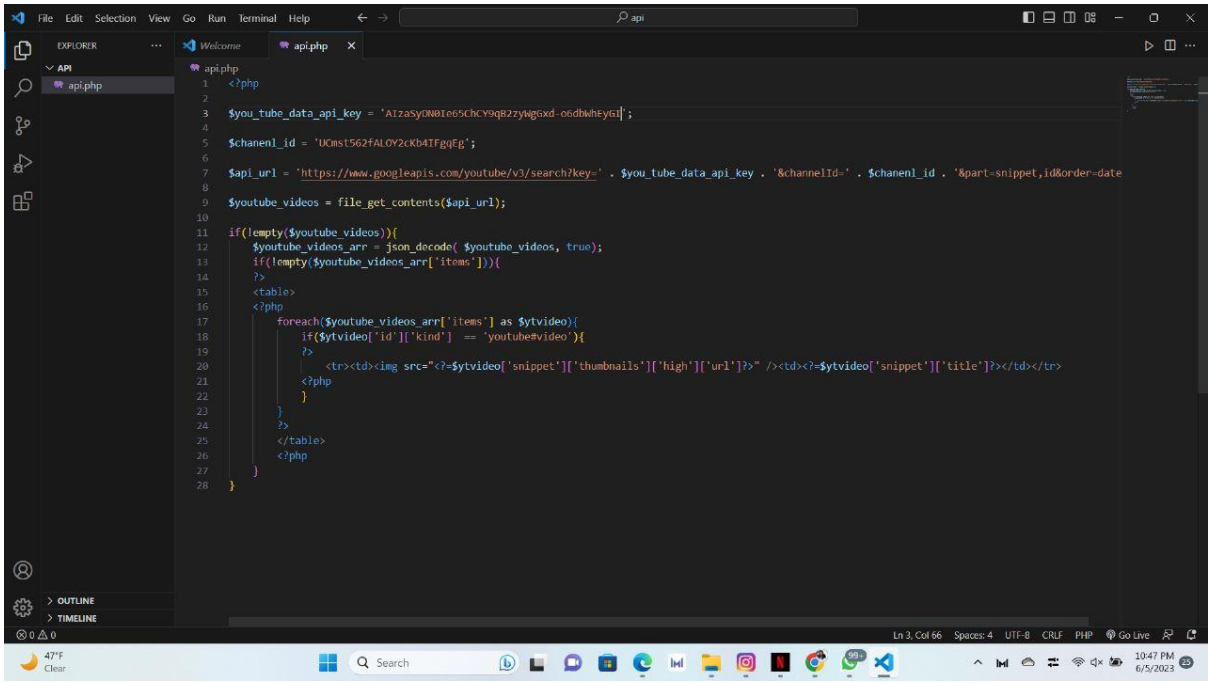
The home page of the website which is the user interface



This “More” button is an API link that helps the user view videos that can help the understand the module better on YouTube (the code is shown on FIG 5)

Fig 5

This is the code showing the API for linking the website to YouTube videos that help learners study in depth


File Edit Selection View Go Run Terminal Help
api
EXPLORER
API
api.php
Welcome
api.php
api.php
1 <?php
2
3 $you_tube_data_api_key = 'AIzaSyON0Ie65ChCY9qB2zyWgGxd-o6dbWhEyGI';
4
5 $chanenl_id = 'UCmst562fALOY2cKb4TFguEg';
6
7 $api_url = 'https://www.googleapis.com/youtube/v3/search?key=' . $you_tube_data_api_key . '&channelId=' . $chanenl_id . '&part=snippet,id&order=date
8
9 $youtube_videos = file_get_contents($api_url);
10
11 if(!empty($youtube_videos)){
12 $youtube_videos_arr = json_decode($youtube_videos, true);
13 if(!empty($youtube_videos_arr['items'])){
14 ?>
15 <table>
16 <?php
17 foreach($youtube_videos_arr['items'] as $ytvideo){
18 if($ytvideo['id']['kind'] == 'youtube#video'){
19 ?>
20 <tr><td><img src="<?=$ytvideo['snippet']['thumbnails']['high']['url']?>" /><td><?=$ytvideo['snippet']['title']?></td></tr>
21 <?php
22 }
23 }
24 ?>
25 </table>
26 <?php
27 }
28 }
OUTLINE
TIMELINE
Ln 3, Col 66 Spaces: 4 UTF-8 CRLF PHP Go Live
47°F Clear
Search
10:47 PM 6/5/2023

GLOSSARY

- Mock Up - make a replica or imitation used
- API - stands for Application Programming Interface
- System structure – the system structure or pattern of organization represents a logical model of systems for the system -of -interest .
- Problem statement – is a short, clear explanation of an issue or challenge that sums up what you want to change .