

Student statement of academic honesty	
Student Name:	SAGI RUTHVIK
Student ID:	T50115016
Assessment Commenced (Date):	12/11/2018
Assessment Completed (Date):	30/11/2018
I hereby certify that I will undertake these assessment tasks utilising my own work without assistance from any other parties. I will not knowingly plagiarise any work in completing these assessment activities. I am aware of ATMC's policy, P21 – Academic Conduct Plagiarism and Cheating	
Student Signature:	S. R. V. K.
Date:	4 / 12 / 2018

# Task-1

I am an IT specialist working in Australia. A client from Green video company came to me and said to design a website in which the customers can book their videos online and that website also needs to have search facility to the customers for finding their video easily. The client also needs a blog in which the customers can find out more details about the company.

## **Determining the non-functional requirements including business requirements and appropriate standards.**

There are different types of non-functional in this website which are also business requirements with appropriate standards and the requirements includes,

- The best non-functional requirement in this project is security. The data of each and every person who registers into this website is stored securely in the database as this data cannot be accessed by strangers.
- Availability is also one of the non-functional requirements in this website. This website is available for all the customers who want to book their videos online. As this website is available all the day the customers can visit this website at any time.
- This website also has scalability requirements like it can serve large number of users at a time, can process more data and also contains more disk space, which is another non-functional requirement.

## **Documenting the purpose, expectations and functional requirements of the website.**

- The main purpose of this website is, users can rent the videos from green video company. The users can search the videos they want from the search page and they can rent them through online.
- Client expectations for this website includes
  - Error-handling
  - Browser compatible issues
  - Concurrency
  - Performance, etc.
- Some of the functional requirements of this website includes,
  - This website needs to have search box so that the users can search for their videos.
  - The data of the user who registers in the website needs to be saved in the database.
  - There should be a blog for the website so that the users can know more about the company.

### **Documenting the user-interface design requirements.**

This website is designed in the way that every user can easily access it. I have used different background colors for different pages for making the website stylish. This website also has all the navigations so that the users can know how to use the website in a easy way. As this website works in all the operating systems like windows, MAAC, etc the user can access this from any platform.

## **Task-2**

### **Hierarchy of the website**

The first page of this website is the search page in which the user can search for the videos they want and when the user clicks the search button, they can know whether the product is available or not to rent it and when the user wants to register their data for renting the videos then they need to click the link below the search box. This is the second page which is a customer registration where the customer should enter his details and this data will be stored in the database. The last page is a blog in which the customer can know more about green videos and for entering into this page the user should click the link in registration page.

This is my search page where the customer can search for the videos they want to rent and the customer can see the details of the searched product in the table which is present in the same page of the website. By clicking the link below the search box then the customer can enter to the customer details of the page.

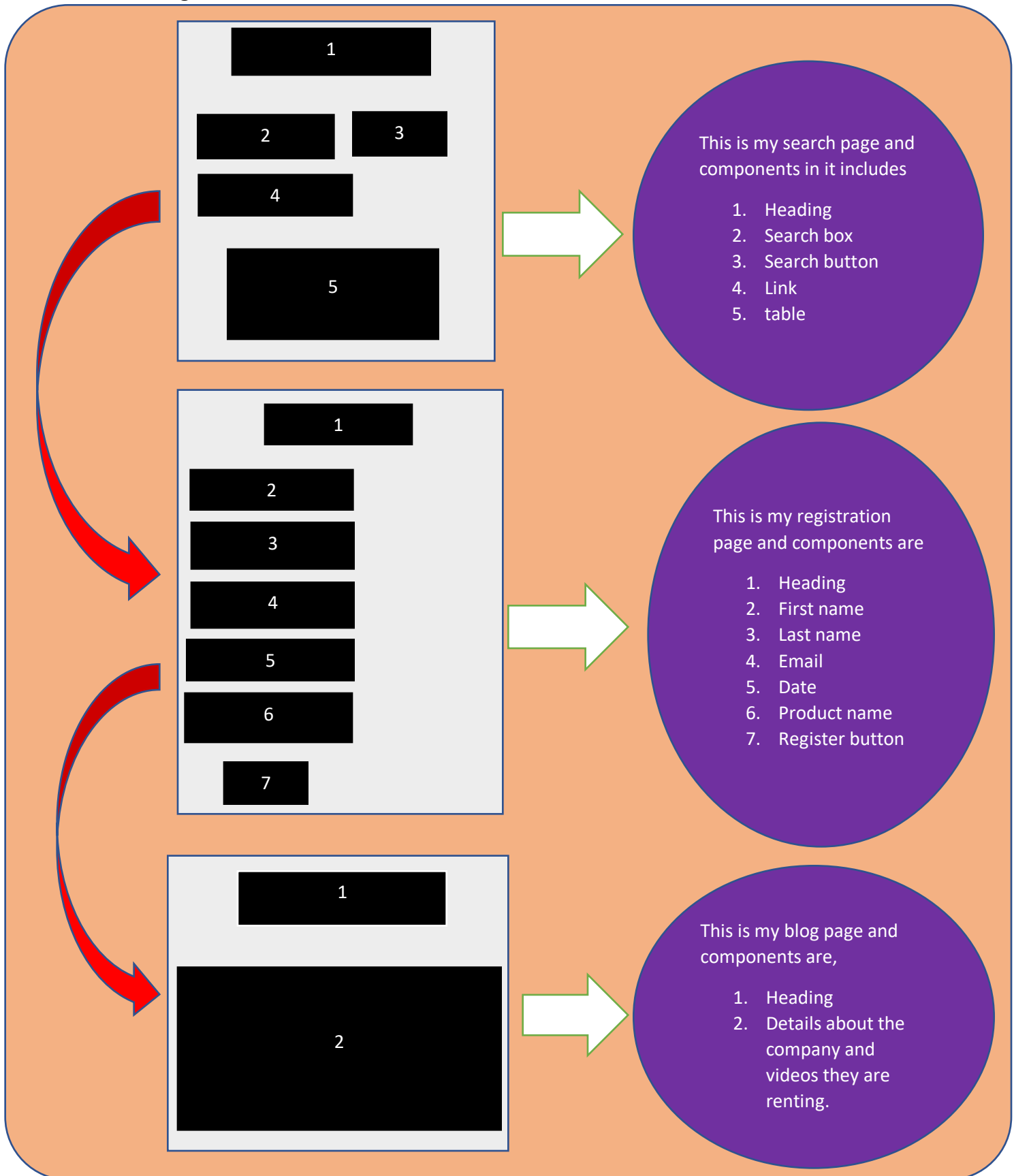


This is my customer registration page where the users should enter their details and should select the product name and the date to rent that video. After clicking the register button then the users can know whether that data has stored in the database or not and there is a link in the same page which helps the users to visit the blog page.



The last page of this website is blog page which contains the details of the product.

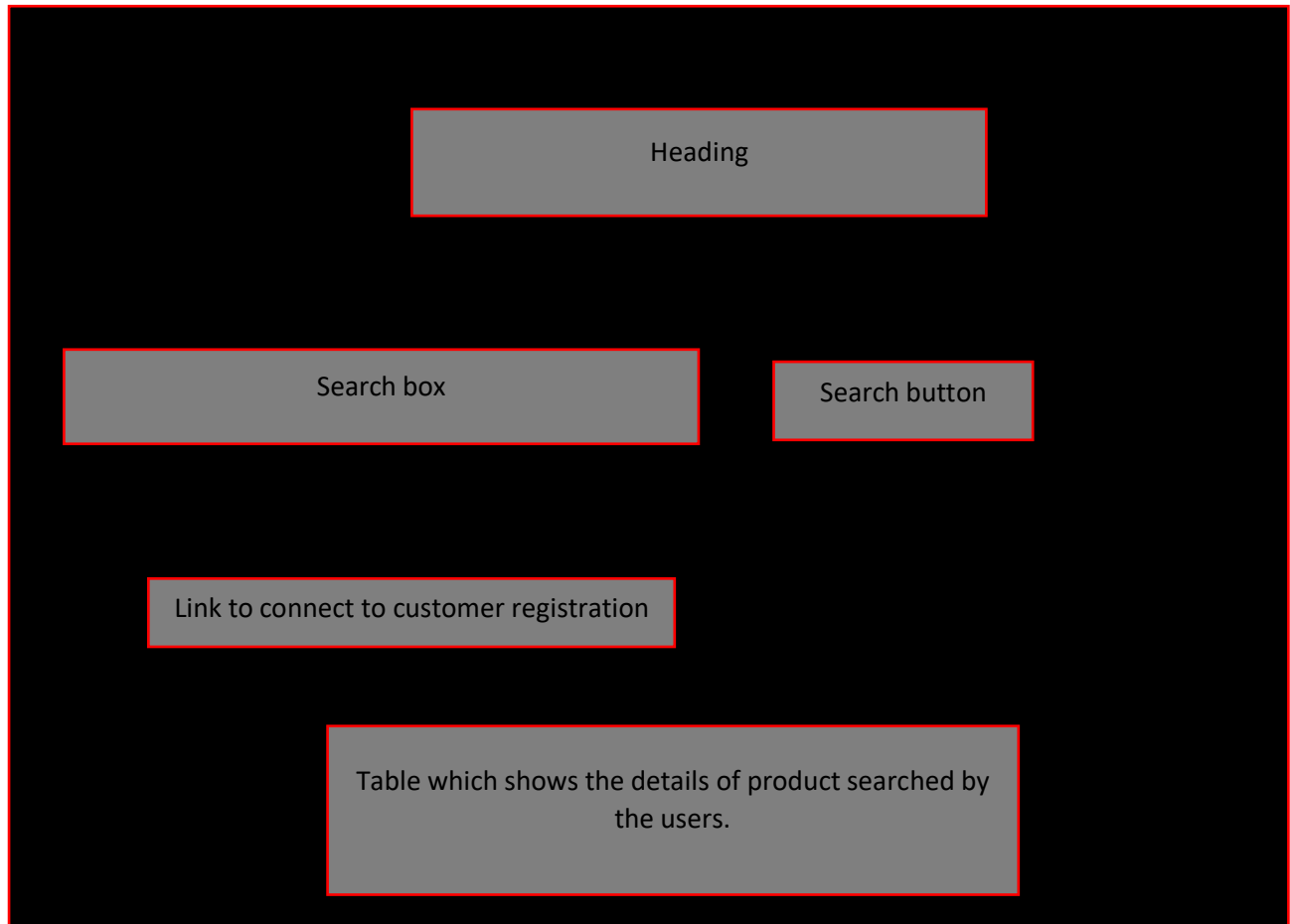
## Content design of the website



### Prototype of the user interface

- As my first page is a search page which contains search box and the table which shows the details of searched product there is also link in the page through which the customer can visit next page.

**This is the prototype of my search page.**



### Documenting the architectural requirements

- For my first page which is a search page I have used HTML and CSS for designing and styling the webpage. I have also used PHP code for connecting my database to the website and when the user searches for the videos then the videos which are present in the database will be retrieved in this page.
- My second page is the customer registration page in which I have again used HTML and CSS for styling the webpage. Here I have used MY SQL database for storing the information of the users in this page and for connecting this page to database I have used PHP code.
- This website's last page is blog which contains details about the company and this information can only be changed from MY SQL database and no un-authenticated user can change it.

### Determining the data storage requirements

For storing the data of this website, I have used SQL database and for connecting this database to my website I have used php code. The data which will be entered by the user in the insertion page will be stored in the database. The data in the database cannot be accessed by any other stranger and the data will be stored securely. This database requires a graphic card of 2GB and hard disk of 256GB. I have used XAMPP server for storing the information in to the database. For storing this data, we need some requirements like creating a table in the database and the table should contain the fields same as in the html registration form.

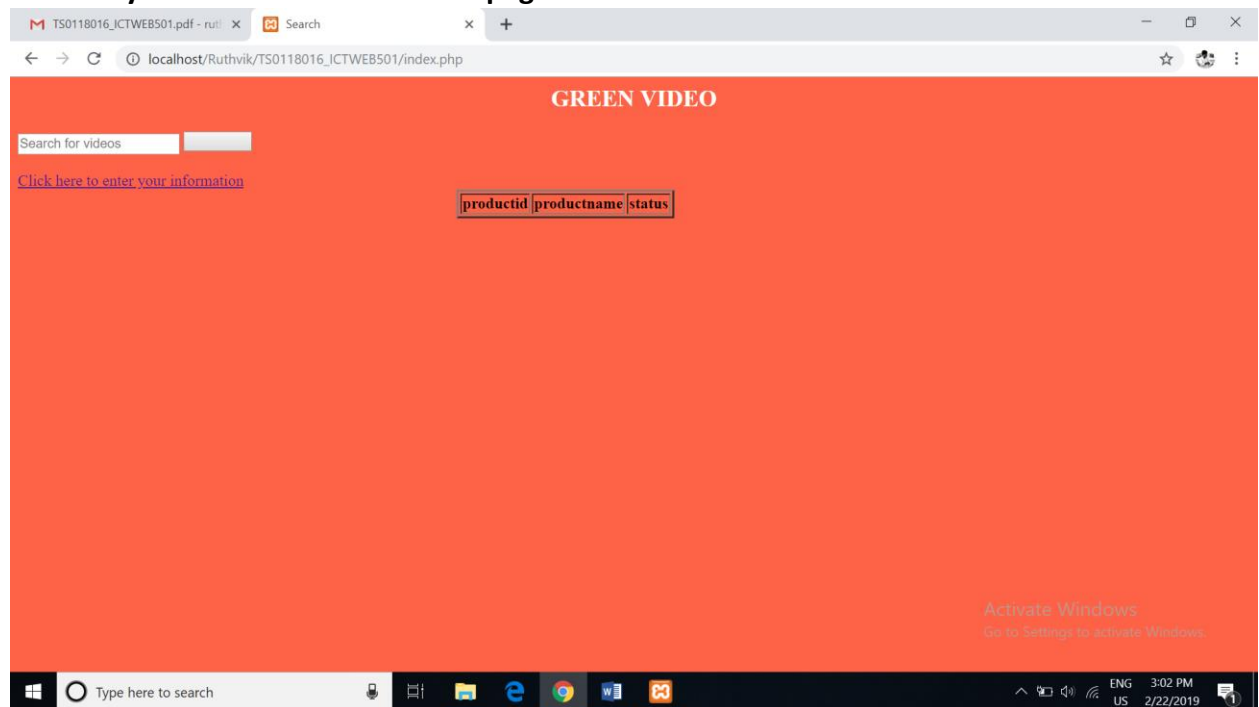
## Task-3

### Creating the software components of the website

This website which I have created has some software requirements which includes,

- There is a search box in the website which is the best component of this website. This search box is in the first page of the website where the customer can search for their videos in this search box.

#### This is my screen shot of the search page



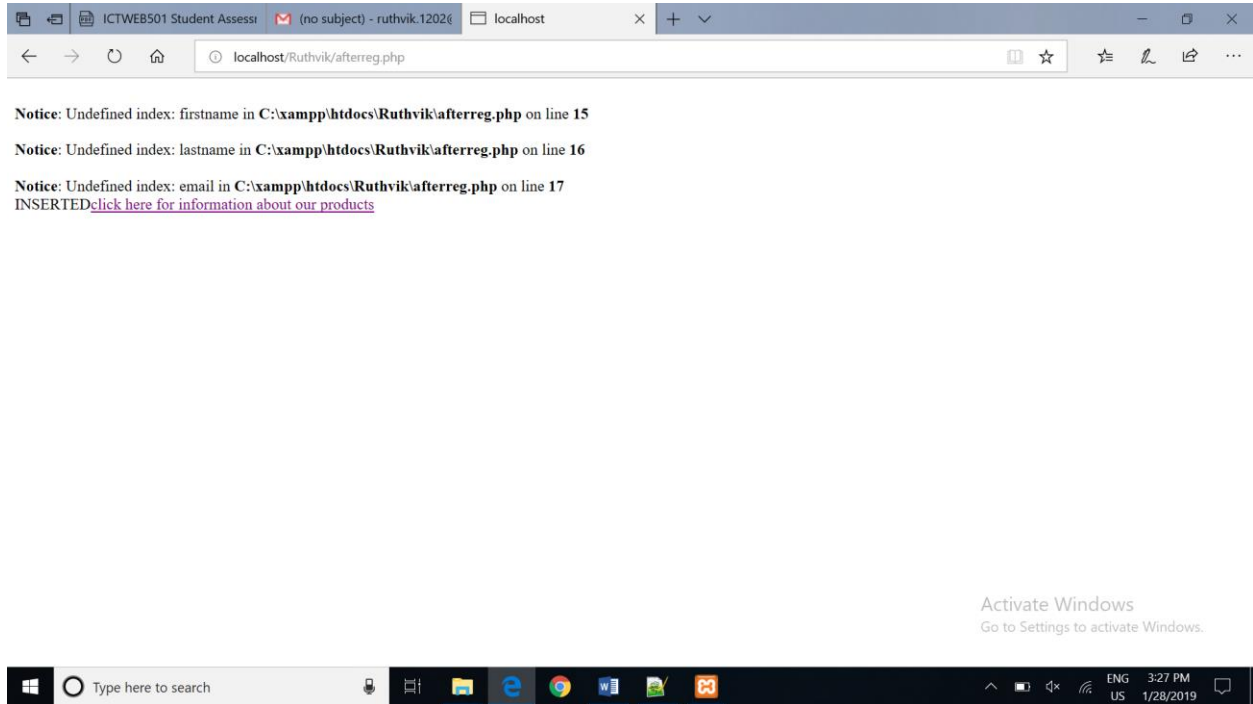
- Another best software component in this website is whenever the customer registers their data in the website that data will be saved in the database. This data will be stored securely in the database and no other stranger can access the data.

[illegible]

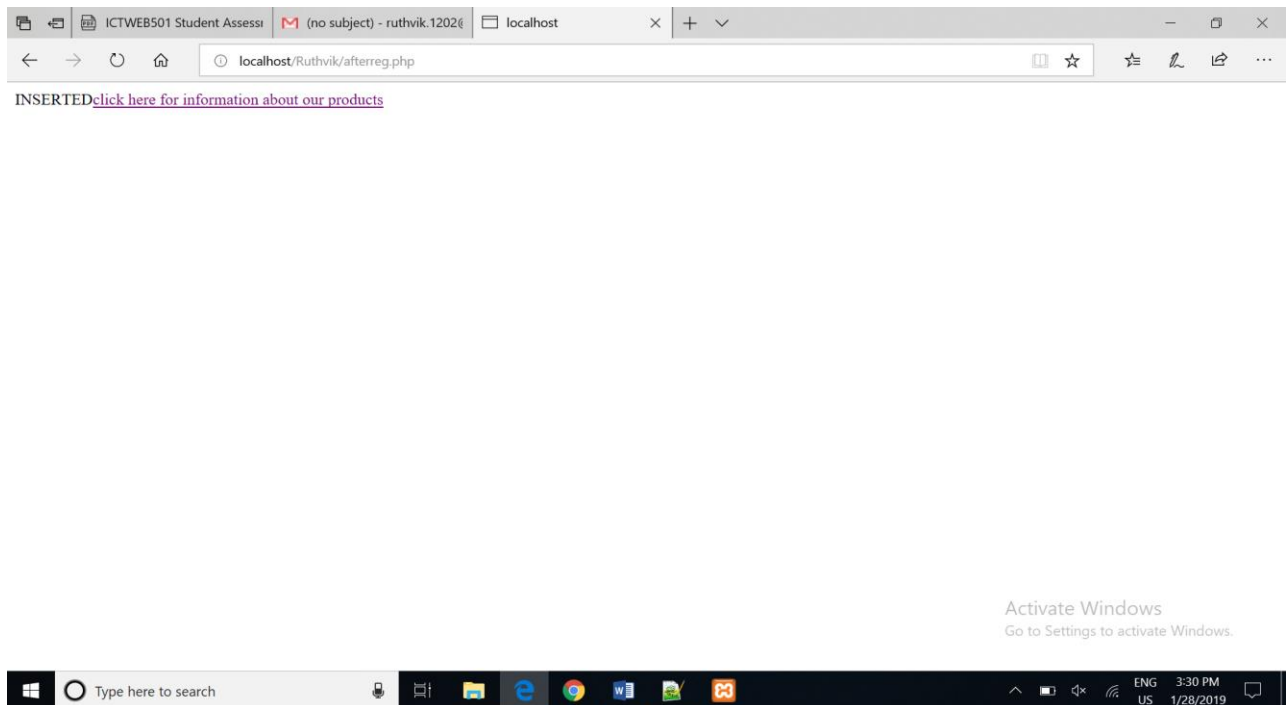
I have tested the components of the website in every step of designing this website. There are some errors in this website for connecting the pages but after testing and rewriting the php code the pages were connected in a proper way. There is also an error in the website that the data entered in the customer form was not storing in the database but after changing the php code the results have changed and the data entered by the customers was also storing in the database. Me and our team has again tested the components and every component is working properly with no errors.



**This is my screen shot which shows an error when trying to store data of the customers into the database.**



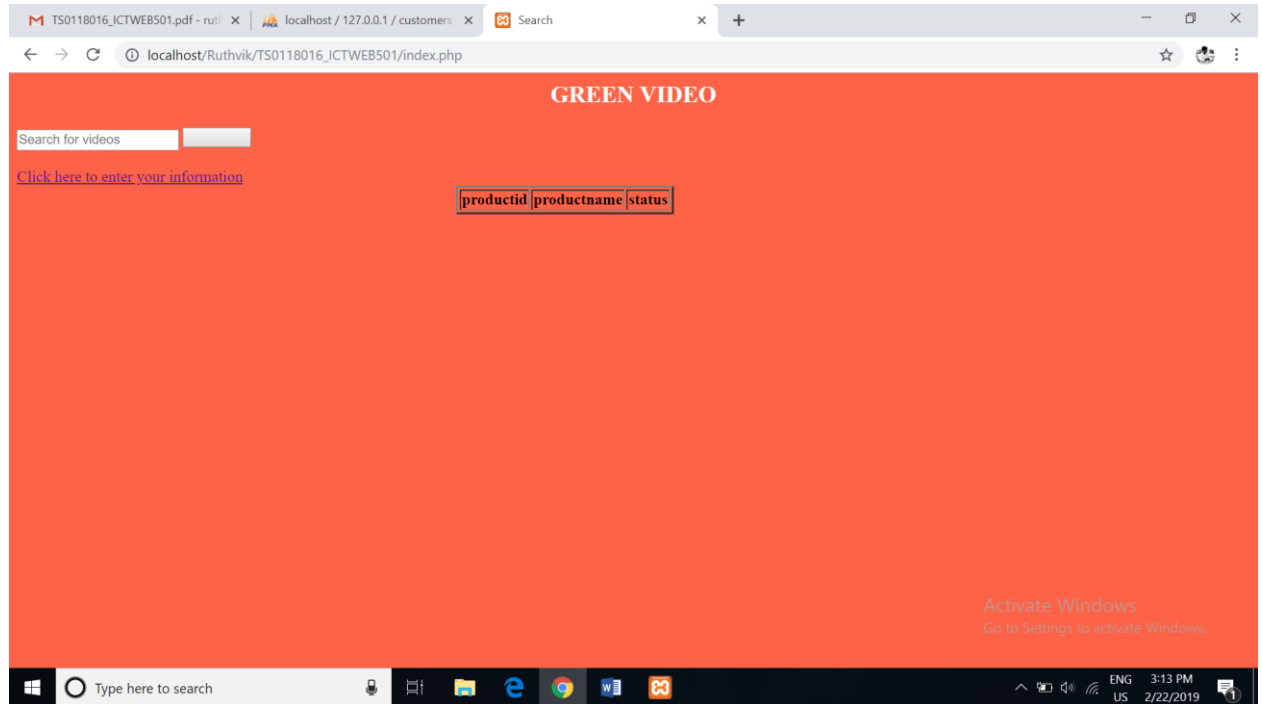
**This is the screen shot which shows there is no error when trying to store data.**



## Integration of the components in the web application

- For my first page which is the search page I have used some html components like table, heading, search box, etc. In this page I have also used one link and button in the page for connecting the other pages. This page also contains background color and font style so that it looks more official.

**This is my screen shot of the search page.**



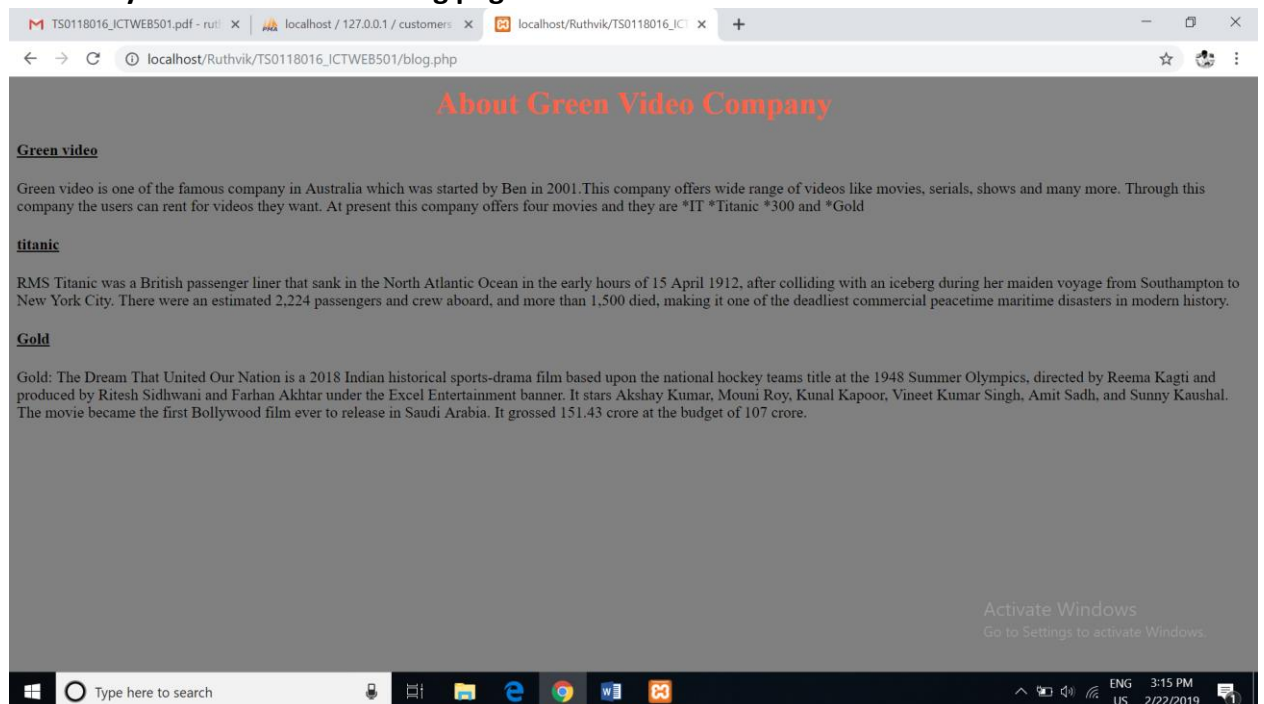
- In the second page of this website contains form in which the customer should enter his details and this page also have a button for connecting to another page. This page also has a background color and a combo box in which the users can select the video they want to rent.

**This is my screen shot of customer registration page.**

The screenshot shows a web browser window with the address bar displaying 'localhost/Ruthvik/TS0118016\_ICTWEB501/registration.php'. The page title is 'Customer Registration'. The form contains the following fields: a text input with 'sagi', a text input with 'ruthvik', a text input with 'ruthvik@gmail.com', a date input with '02/22/2019', and a dropdown menu labeled 'select movie'. Below these fields is a 'Register' button. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the time as 5:42 PM on 2/22/2019.

- My last page is blog and this page information can only be changes from the database so that I have not used any html components in it but for connecting this page to my database I have used php code.

**This is my screen shot of the blog page.**



## Task-4

### Testing the website against the requirements

Me and my team has tested the website against the client requirements and the website has all the requirements of the client. In the first page the client needs a search box for searching the videos and there should be a table which should have the details of the searched product and we have designed this according to the client requirements.

### Search page



In the next page client needs a customer registration form and the data enter in it should be stored in the database and the users can select the product and the date to rent that video.

## Customer registration page.

**Customer Registration**

Sagi

Ruthvik

ruthvik@gmail.com

02/22/2019

February 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	1	2

Activate Windows  
Go to Settings to activate Windows.

The client wants the last page to be blog and this page should have all the details of the company and this page is also as per the requirements.

**About Green Video Company**

Green video

Green video is one of the famous company in Australia which was started by Ben in 2001. This company offers wide range of videos like movies, serials, shows and many more. Through this company the users can rent for videos they want. At present this company offers four movies and they are \*IT \*Titanic \*300 and \*Gold

titanic

RMS Titanic was a British passenger liner that sank in the North Atlantic Ocean in the early hours of 15 April 1912, after colliding with an iceberg during her maiden voyage from Southampton to New York City. There were an estimated 2,224 passengers and crew aboard, and more than 1,500 died, making it one of the deadliest commercial peacetime maritime disasters in modern history.

Gold

Gold: The Dream That United Our Nation is a 2018 Indian historical sports-drama film based upon the national hockey teams title at the 1948 Summer Olympics, directed by Reema Kagti and produced by Ritesh Sidhwani and Farhan Akhtar under the Excel Entertainment banner. It stars Akshay Kumar, Mouni Roy, Kunal Kapoor, Vineet Kumar Singh, Amit Sadh, and Sunny Kaushal. The movie became the first Bollywood film ever to release in Saudi Arabia. It grossed 151.43 crore at the budget of 107 crore.

Activate Windows  
Go to Settings to activate Windows.

### **Documenting the designing structure**

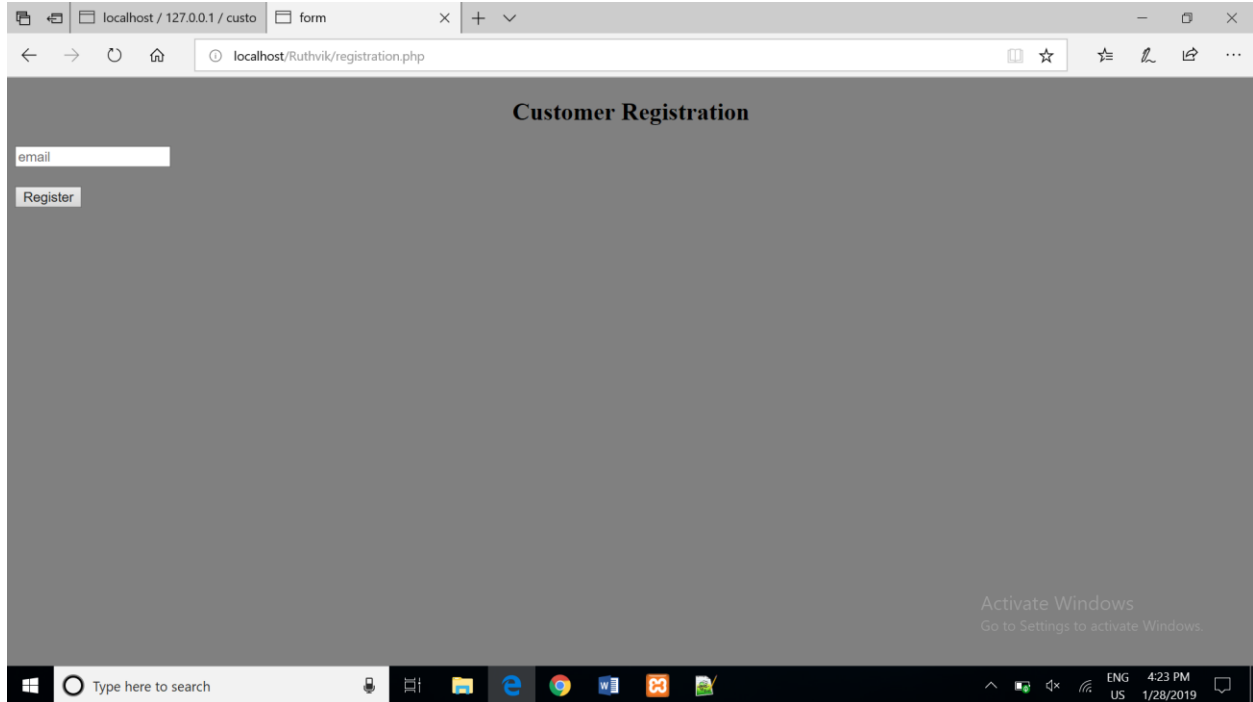
- My first page is the search page in which the users can search for the videos they want. This page also has a table at the center which shows the details of the searched product. This page has tomato as the background color and the heading of this page is 'Green video' which is of white color. There is also a link the page and by clicking this link the users can enter the next page.
- The second page of this website is the customer registration in which the customer should enter his email id. This page has grey as the background color and the heading of this page is black color. When the customer clicks the register button the customer can know whether the data is stored in the database or not and in that page, there is a link by clicking that the users can visit the last page.
- The last page of this website is a blog in which the customer can know more about the company. this page has grey as the background image and the heading of this page is tomato color.

### **Adjustment process of the website**

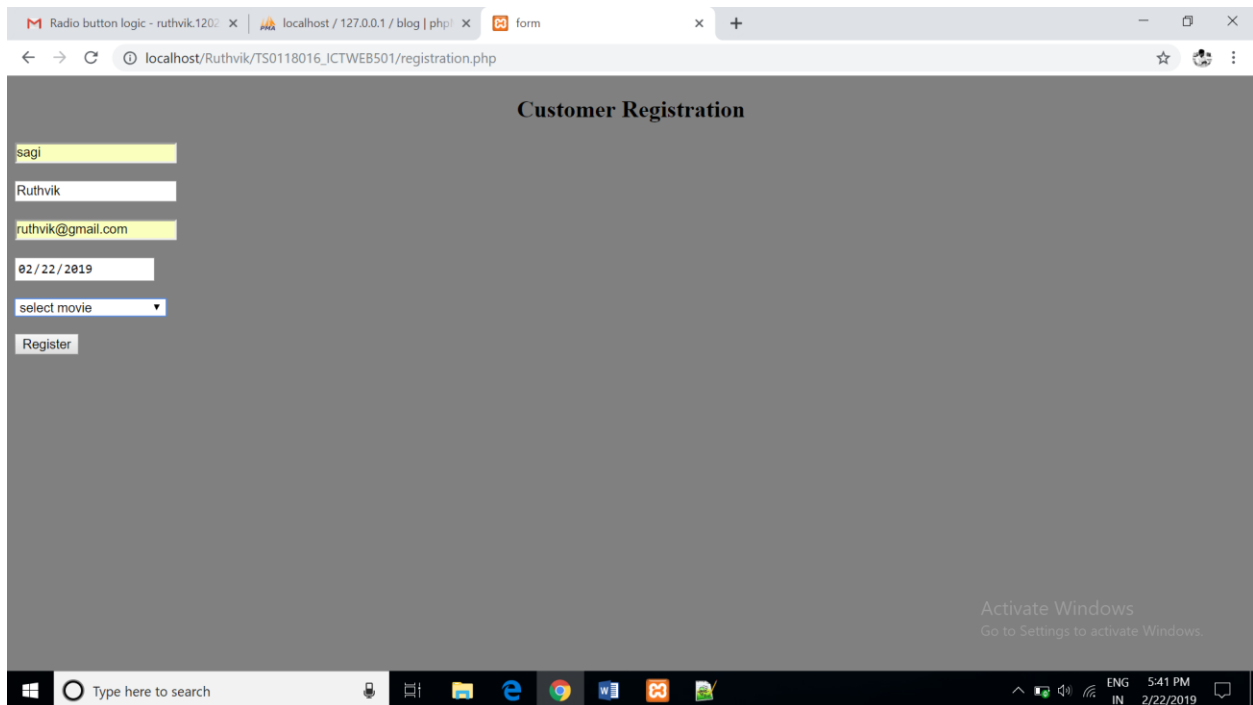
After submitting the project to the client for his feedback about the website then he gave us some feedback which includes,

- Before submitting the project, I have used email box only in the customer registration form but the client gave us feedback to add first name and last name it so that we have changed that as per the client feedback.
- Firstly, I have not mentioned the videos which are available for rent in the blog but the client gave a feedback to mention the videos which are available for rent in the company so that we have changed the information in the blog according to the client requirement.

**This is my screenshot of insertion page in which I have only used email box in it.**

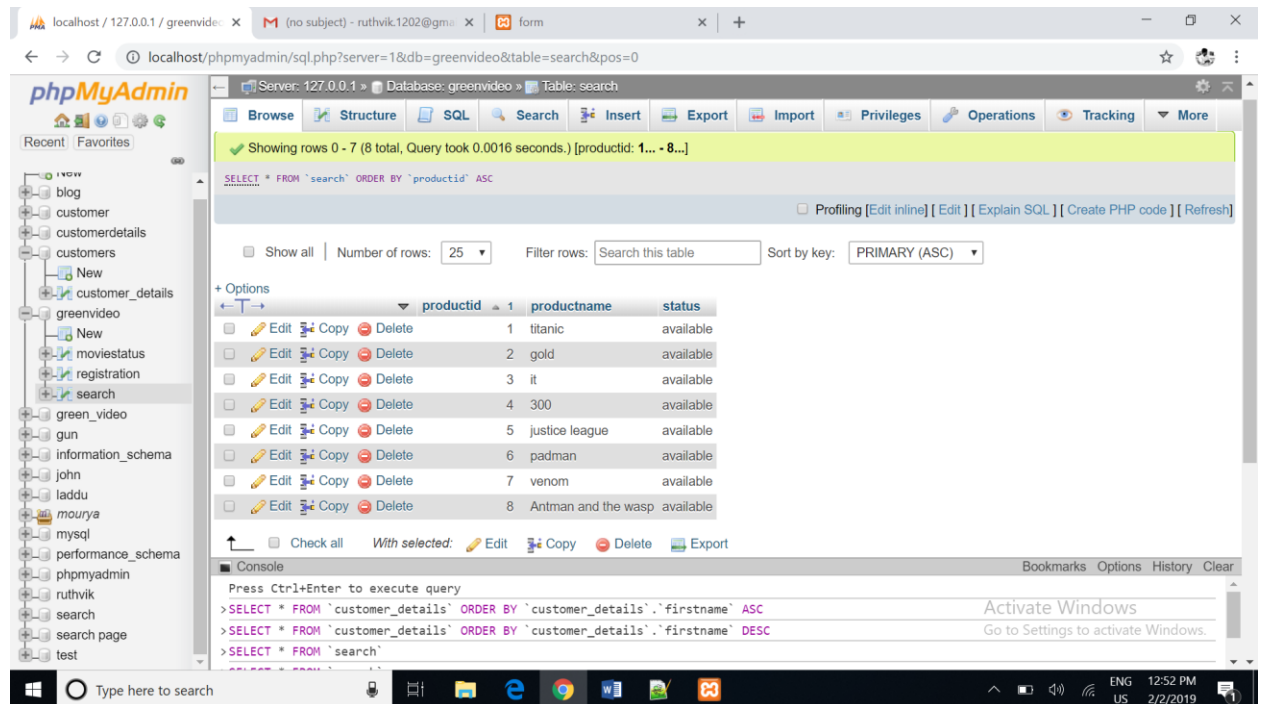


**This is my screenshot of the insertion page after the feedback of the client.**



## Screen shots of my database

This is the database for my search page



localhost / 127.0.0.1 / greenvideo

localhost/phpmyadmin/sql.php?server=1&db=greenvideo&table=search&pos=0

Server: 127.0.0.1 » Database: greenvideo » Table: search

Showing rows 0 - 7 (8 total, Query took 0.0016 seconds.) [productid: 1... - 8...]

```
SELECT * FROM `search` ORDER BY `productid` ASC
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: PRIMARY (ASC)

productid	productname	status
1	titanic	available
2	gold	available
3	it	available
4	300	available
5	justice league	available
6	padman	available
7	venom	available
8	Antman and the wasp	available

Console

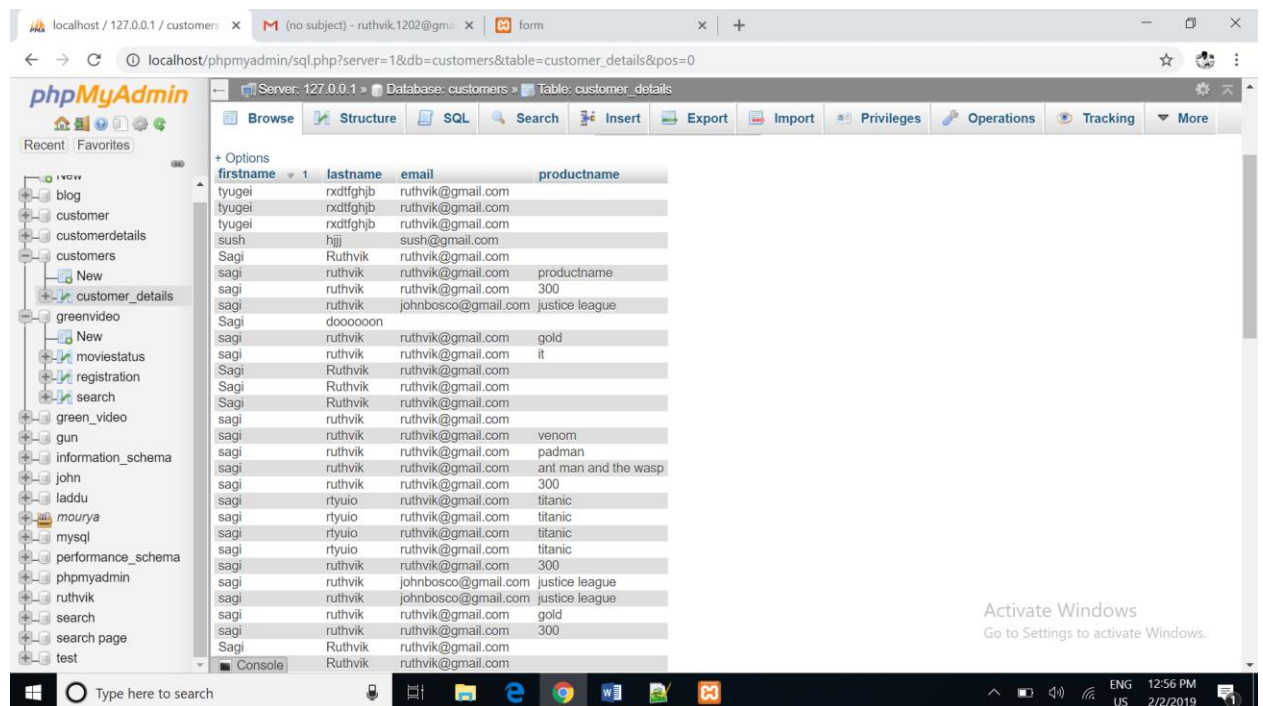
```
Press Ctrl+Enter to execute query
```

```
>SELECT * FROM `customer_details` ORDER BY `customer_details`.`firstname` ASC
```

```
>SELECT * FROM `customer_details` ORDER BY `customer_details`.`firstname` DESC
```

```
>SELECT * FROM `search`
```

This is my database for registration page where the details of the customer will be saved.



localhost / 127.0.0.1 / customers

localhost/phpmyadmin/sql.php?server=1&db=customers&table=customer\_details&pos=0

Server: 127.0.0.1 » Database: customers » Table: customer\_details

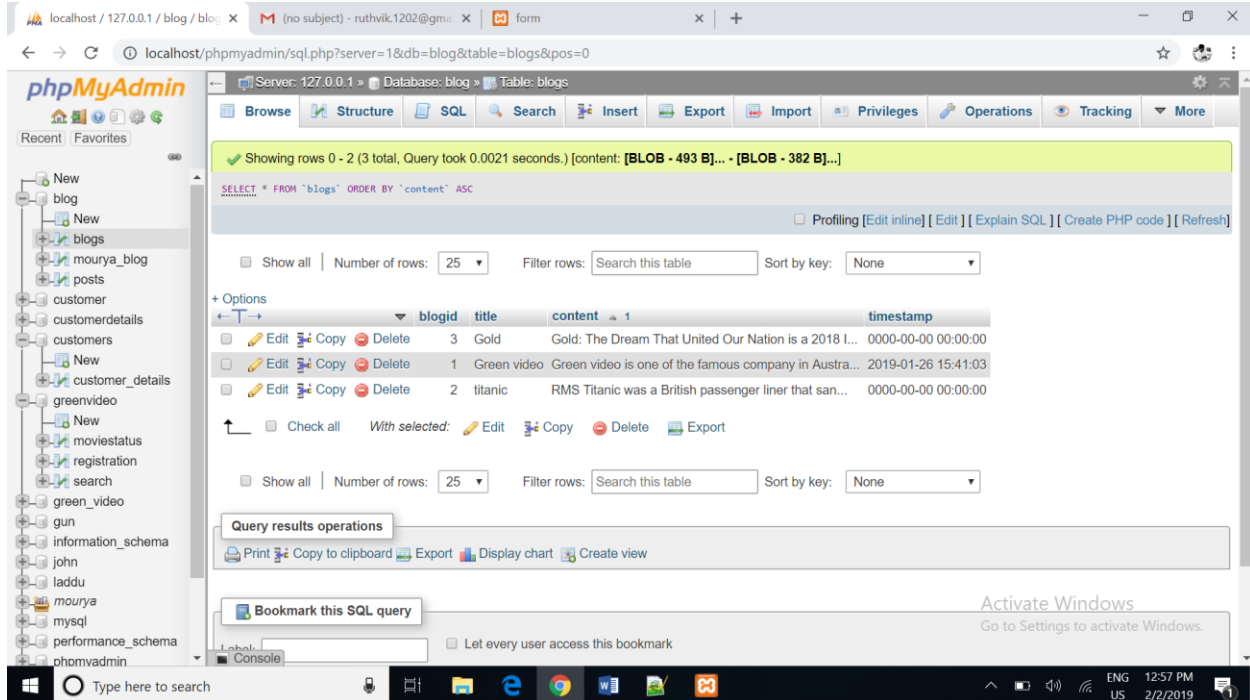
firstname	lastname	email	productname
tyugei	rxdtfghjb	ruthvik@gmail.com	
tyugei	rxdtfghjb	ruthvik@gmail.com	
tyugei	rxdtfghjb	ruthvik@gmail.com	
sushi	hiji	sushi@gmail.com	
Sagi	Ruthvik	ruthvik@gmail.com	
sagi	ruthvik	ruthvik@gmail.com	productname
sagi	ruthvik	ruthvik@gmail.com	300
sagi	ruthvik	johnbosco@gmail.com	justice league
Sagi	doooooon		
sagi	ruthvik	ruthvik@gmail.com	gold
sagi	ruthvik	ruthvik@gmail.com	it
Sagi	Ruthvik	ruthvik@gmail.com	
Sagi	Ruthvik	ruthvik@gmail.com	
sagi	ruthvik	ruthvik@gmail.com	venom
sagi	ruthvik	ruthvik@gmail.com	padman
sagi	ruthvik	ruthvik@gmail.com	ant man and the wasp
sagi	ruthvik	ruthvik@gmail.com	300
sagi	rtyuio	ruthvik@gmail.com	titanic
sagi	rtyuio	ruthvik@gmail.com	titanic
sagi	rtyuio	ruthvik@gmail.com	titanic
sagi	rtyuio	ruthvik@gmail.com	titanic
sagi	ruthvik	ruthvik@gmail.com	300
sagi	ruthvik	johnbosco@gmail.com	justice league
sagi	ruthvik	johnbosco@gmail.com	justice league
sagi	ruthvik	ruthvik@gmail.com	gold
sagi	ruthvik	ruthvik@gmail.com	300
Sagi	Ruthvik	ruthvik@gmail.com	
Sagi	Ruthvik	ruthvik@gmail.com	

Console

```
Press Ctrl+Enter to execute query
```



This is my database for the blog page.



The screenshot shows the phpMyAdmin web interface in a browser window. The address bar shows the URL: localhost/phpmyadmin/sql.php?server=1&db=blog&table=blogs&pos=0. The interface displays the 'blogs' table with 3 rows. The table structure is as follows:

blogid	title	content	timestamp
3	Gold	Gold: The Dream That United Our Nation is a 2018 I...	0000-00-00 00:00:00
1	Green video	Green video is one of the famous company in Austr...	2019-01-26 15:41:03
2	titanic	RMS Titanic was a British passenger liner that san...	0000-00-00 00:00:00


The interface also shows the SQL query: `SELECT * FROM 'blogs' ORDER BY 'content' ASC`. The table is displayed with 25 rows per page. The bottom of the screen shows the Windows taskbar with the date 2/2/2019 and time 12:57 PM.

Student statement of academic honesty	
Student Name:	SAGI RUTHVIK
Student ID:	T50118016
Assessment Commenced (Date):	12/11/2018
Assessment Completed (Date):	30/11/2018
I hereby certify that I will undertake these assessment tasks utilising my own work without assistance from any other parties. I will not knowingly plagiarise any work in completing these assessment activities. I am aware of ATMC's policy, P21 – Academic Conduct Plagiarism and Cheating	
Student Signature:	S. R. 1
Date:	4 /12 /2018

Assessment 2 – Written Test	
Student Name:	SACI RUTHVIK
Student ID No:	150118016
Date:	30/11/2018

Student Instructions:

- This is an open book written test.
- You have 90 minutes to complete the test.
- Please read every question carefully. You must answer all the questions correctly to achieve satisfactory result for this assessment.
- If you are caught cheating/plagiarism, the test will be marked "Not Satisfactory" and you will be subject to the penalties stated in ATMC's Academic Conduct policy regarding cheating and plagiarism.

Student statement of academic honesty	
Student Name:	SACI RUTHVIK
Student ID:	150118016
Assessment Commenced (Date):	12/11/2018
Assessment Completed (Date):	30/11/2018
I hereby certify that I will undertake these assessment tasks utilising my own work without assistance from any other parties. I will not knowingly plagiarise any work in completing these assessment activities. I am aware of ATMC's policy, P21 – Academic Conduct Plagiarism and Cheating.	
Student Signature:	
Date:	30 / 11 / 2018

QUESTIONS		
1.	Explain why the web is considered stateless?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>The web is considered as stateless because a stateless protocol does not require any server to retain session information about each communications partner. HTTP is stateless and the truncation ends when the connection between browser and server is lost.</p>		
2.	List 3 ways to make web stateful (keeping information temporarily or permanently)?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No

Three ways to make web stateful,

- It should be continuous
- It should be meaningful
- It should be dynamic

3.	What is the meaning of session in the context of web communication?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
----	---	--

The time duration for which a user stays on a particular site until user closes the browser or move on to the new site is known as session.

4.

What is the difference between get and post method in HTTP?

Satisfactory  
☐ Yes ☐ No

Mainly HTTP Post supply's additional data form browser to server in message body where  
as GET will supply all the required data in the URL.

5.	What is object-oriented programming?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
----	--------------------------------------	--

Object-oriented programming is a programming language model which depends on objects and data in the form of fields.

6. Summarise the principles of analysis and design?

Satisfactory  
☐ Yes ☐ No

Principle of analysis and design are like rules for the programming language. That principle helps us to build our own software and that principles also guides for creating a great code. Some of those principles are,

- S-ingle responsibility principles
- O-pen/closed principle
- L-iskov substitution principle, etc.

7. What is the benefit of using Objects in PHP?

Satisfactory  
☐ Yes ☐ No



Objects are used inside the classes and they are used for solving the problems using the classes. We can even create the new objects in the classes by creating new keywords.

8.	In your own words, explain the procedure of web-based authentication in a server-side programming language such as PHP? Is there any security concern about the procedure?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>There are three steps for creating the web-based authentication in php and they include,</p> <ul style="list-style-type: none"><li>• Firstly, need to create a database with users table</li><li>• Secondly, we need to create user login panel to submit login details to php.</li><li>• Finally, we should compare user login details the user database.</li></ul> <p>Yes, we should have some security concerns for creating a authentication form that, the details entered in the form should store securely and no other stranger should access the users details.</p>		

9.	What organizational documentation may include in identifying the business requirements and appropriate standard?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No

To identify the business requirements and standards of the organization, following documents are required :

1. Surveys done by the organization about their standards.
2. Documents containing the information about the types of customer or client of the organization .
3. All the documents which consist the information about the employees, there position and their achievements in the organization.

10.	List types of website navigation? (at least 2 types)	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
-----	--	--

Different types of website navigations are,

- Horizontal text
- Sub-Menus
- Vertical text
- Text with descriptions, etc.

11.	What is prototyping?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
12.	What should be included in navigation testing?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No

Whenever we are testing the navigation bars in the website then firstly, we should check when the user clicks the bar it connected to next page or not. Secondly the bars should be connected to the correct page not the wrong page and finally the bars should be highlighted so that every one can easily see it.

13.	Why we must integrate the components to produce the web application?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
-----	--	--

We need to integrate the components in the webpage so that the users who are using the webpage can access it easily and they can easily find the matter they want in the webpage.

14.	What guidelines should be kept in mind when undertaking usability testing?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
-----	--	--

Whenever we are testing the usability testing then we should check whether the website is understandable, accessible by every user or not. The website should have all the navigations so that everyone can use it easily without any trouble.

15.	How to handle client delays?	Satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>We need to regularly check the work of client so that we can easily know weather the work is going properly or not and we need to identify the source of delays and should communicate with the clients regularly.</p>		



Assessment 2 Result:	<input type="checkbox"/> Satisfactory		<input type="checkbox"/> Not Satisfactory
Assessor Comments/Feedback on student's performance:			
Assessor: I declare that I have conducted a fair, valid, reliable and flexible assessment with this Student, and I have provided appropriate feedback	Assessor Name: _____  Signature: _____  Date: __/__/____	Student: I declare that I have been assessed in this unit, in a fair and flexible manner.	Student Name: <u>SACI ROTHVIRI</u>  Signature: <u>[Signature]</u>  Date: <u>30/11/2018</u>

## VT257 Post Assessment Student Feedback Form

This form is to be completed by the student in order to gain feedback on the assessment and its process. This form will be completed upon the student gaining an overall assessment outcome per unit of competency. This form must be submitted to the Assessor. The student's feedback is important for ATMC's assessment validation and quality improvement processes.

Student Name	SACI RUTHNIK	Date (do not leave empty)	4 / 12 / 2018
Unit Title & Code (do not leave empty)	ICTWEB501	Qualification Title (do not leave empty)	Diploma of IT

Instructions for Students. Please read each question carefully and then provide a comment for each including suggested improvements. We would appreciate any form of feedback in relation continuous improvement. If you require help in completing this form, please ask your assessor.

Overall Information for Assessment	Comments/ suggested improvement
1. Did you think you had enough instructions before starting the assessment? If no, please tell us how to improve it?	Yes
2. How did you find the level of language used and was it easy to read and understand?	Yes
3. Was enough time given to complete the assessment? If no, why?	Yes
4. Did you think the task/assessment was related to what you learnt in the unit - Rate from 1 (not at all) to 5 (very much) and explain why?	3
5. In order to do this assessment, did you expect any extra support? <i>Example: more time to complete an assessment.</i> If yes, please specify and note whether you received this support from your assessor	No
6. How relevant do you think the assessment task is for your (future) workplace? Rate from 1 (not at all) to 5 (very much).	3
7. How do you feel about the feedback you received from your assessor after you had finished your assessment?	Good
8. Please give any other feedback or continuous improvement regarding this assessment	

Office use only:

Did the student appeal the assessment decision?

- ☐ Yes  
☐ No

Student appeal outcome (if applicable):

.....  
.....  
....

The feedback form must be submitted to the compliance department upon completion for tabulation and recording keeping purposes.

Signature: S. Ruthnik Date: 4/12/2018

ATMC - VT257 Post Assessment Student Feedback Form