

Islington College



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Object Oriented Analysis and Design

CC2008NI

Coursework

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1. Introduction

This system is for sandesh prasai newly formed guitar shop. Where he buys in the large numbers of Aria guitar, overseas guitar, seals them on to the both dealers and the general public. These guitars are in perfect condition but some of them damage like minor cosmetic scratches and structural defects. At present these guitars are locked in a warehouse. Sandesh wants the system which can record the details of date of purchased, delivery date, make, quantity, cost and the company bought from. Another requirement of sandesh system is the system should be able to keep record of guitar details. In this section each guitar should have unique id number, make, model, color, proposed selling price and condition of guitar. Sandesh has also sales for other dealers and he has eBay shop for general public sells. For this purpose, the system has managed the details like: stock of guitar, details of guitar, present condition of guitar, selling price and a photo of guitar.

1.1 Tools used:

In this sandesh prasai shop can view the details of the guitar, purchase dates and stock details of the guitar.

The different tools that I have use to develop this system:

Bootstrap:

This framework is easy to use. At the same this framework is user friendly. The main purpose using this framework is responsive design. Additionally, the framework has user friendly color combination.

PHP

PHP is script as well as open source language. It works on every operating system. Now days more than 70% of web based system are being developed in PHP. In this project I have also used PHP 5.4.45 (PHP, 2016). Additionally, it is object oriented language.

XAMP

This is for database control. Actually XAMP is software for localhost or local server (XAMP, 2016).

Sublime Text

This is sublime Text editor version 3. It is light weight compare than other Dreamweaver and other software.

2. Core function of the system

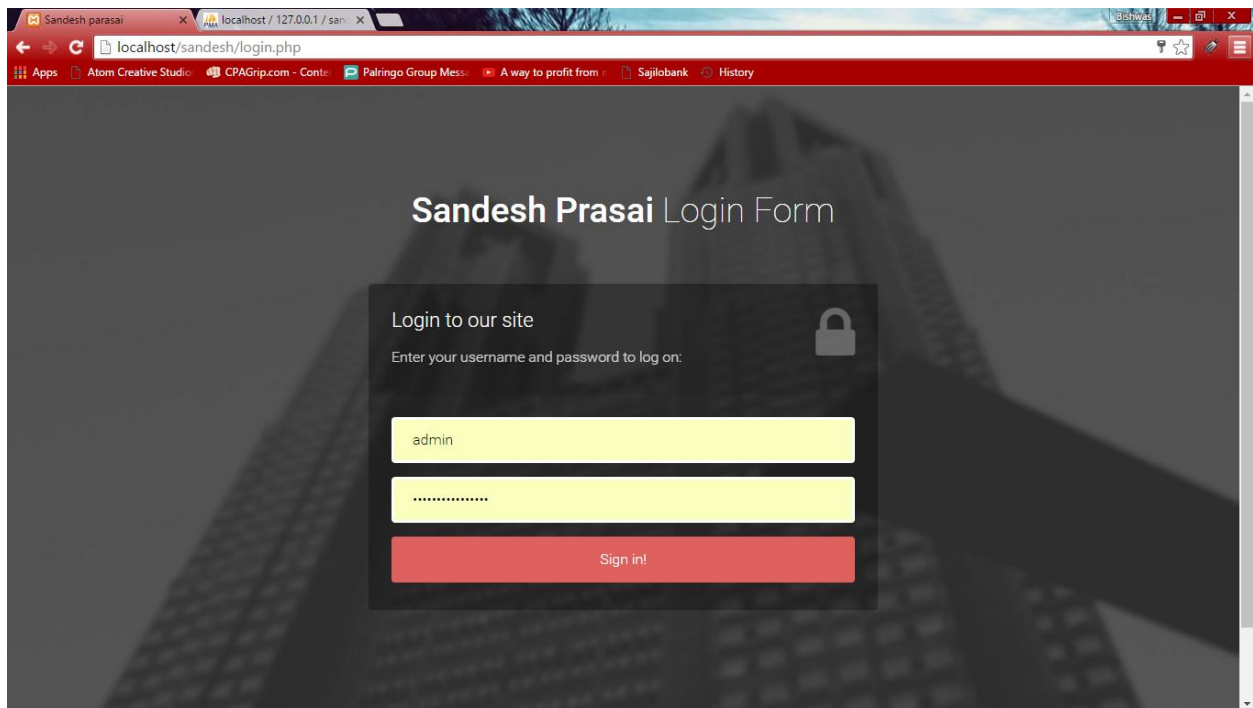


Figure 1: login page of system

This is login page of the system. The user must enter the user name and password correct. Otherwise the system will not allow to enter in the system.

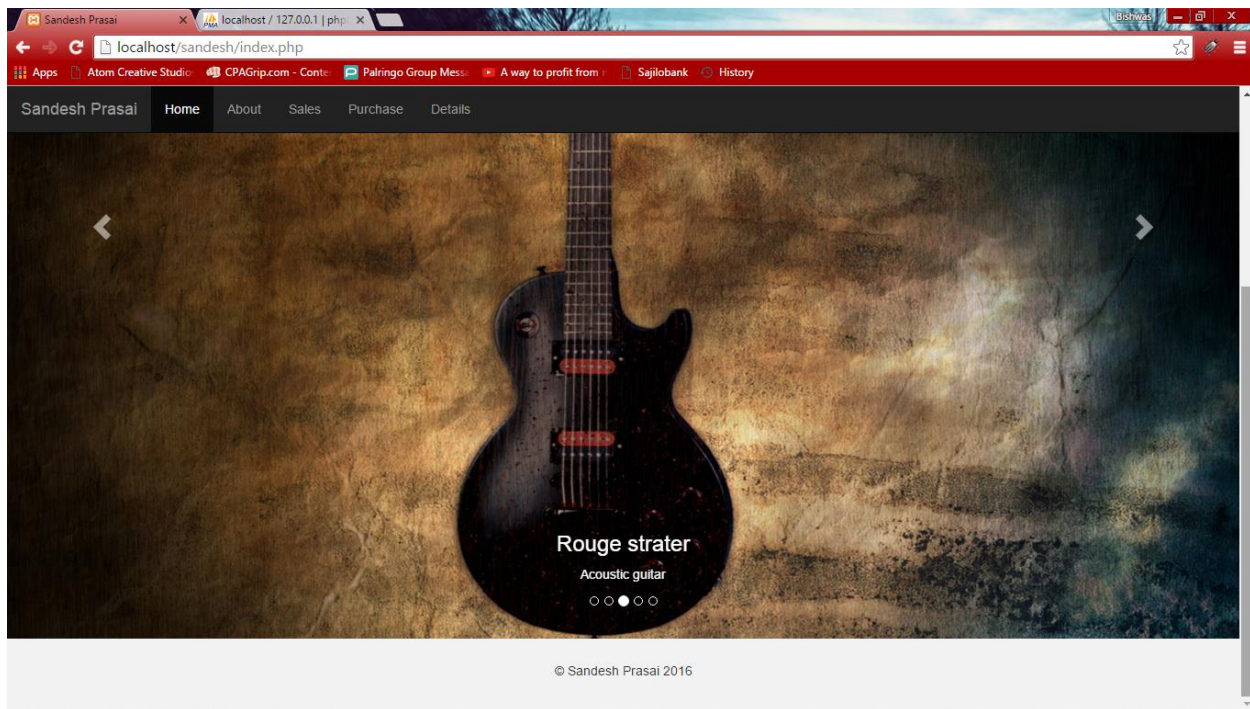


Figure 2: Index page of system

This is the index page or main page of the system. There is logo of sandesh prasai guitar shop. There is Home, About, Sales, Purchase, Details bottom.

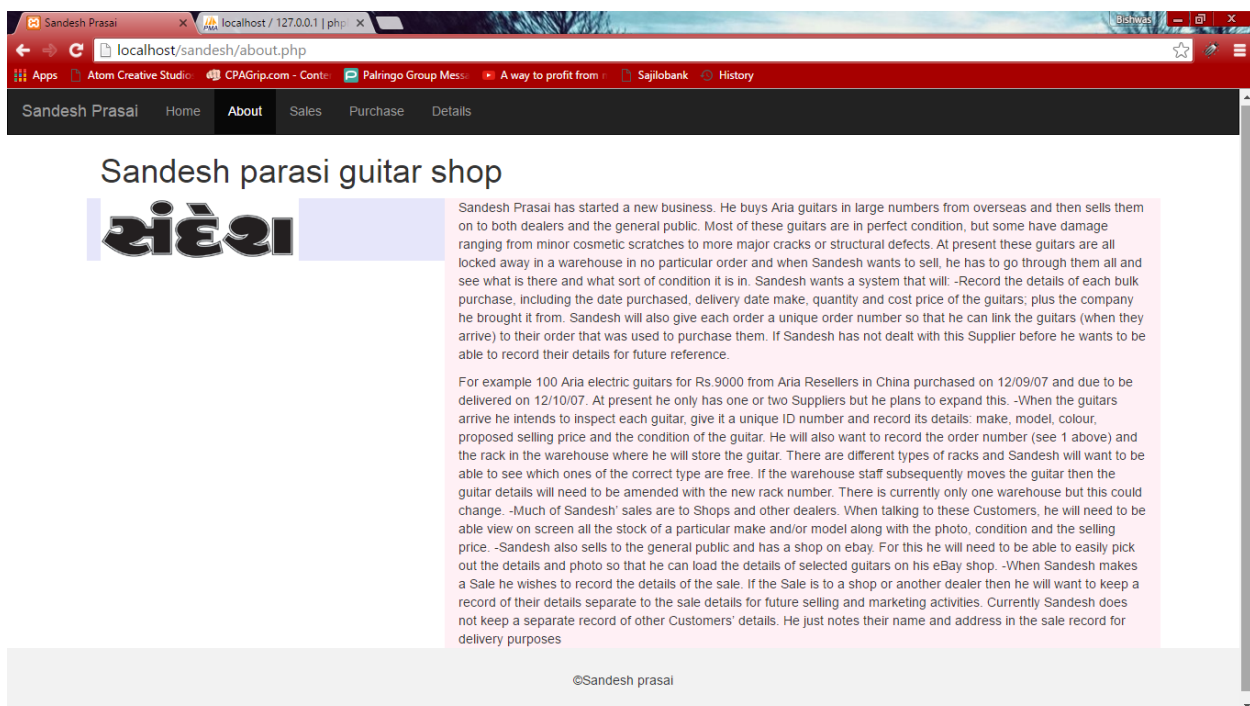


Figure 3: About us page of system

This is about page of the system. This page give information about this sandesh prasai guitar shop. Additionally, the page will give service are provided from sandesh prasai guitar shop.

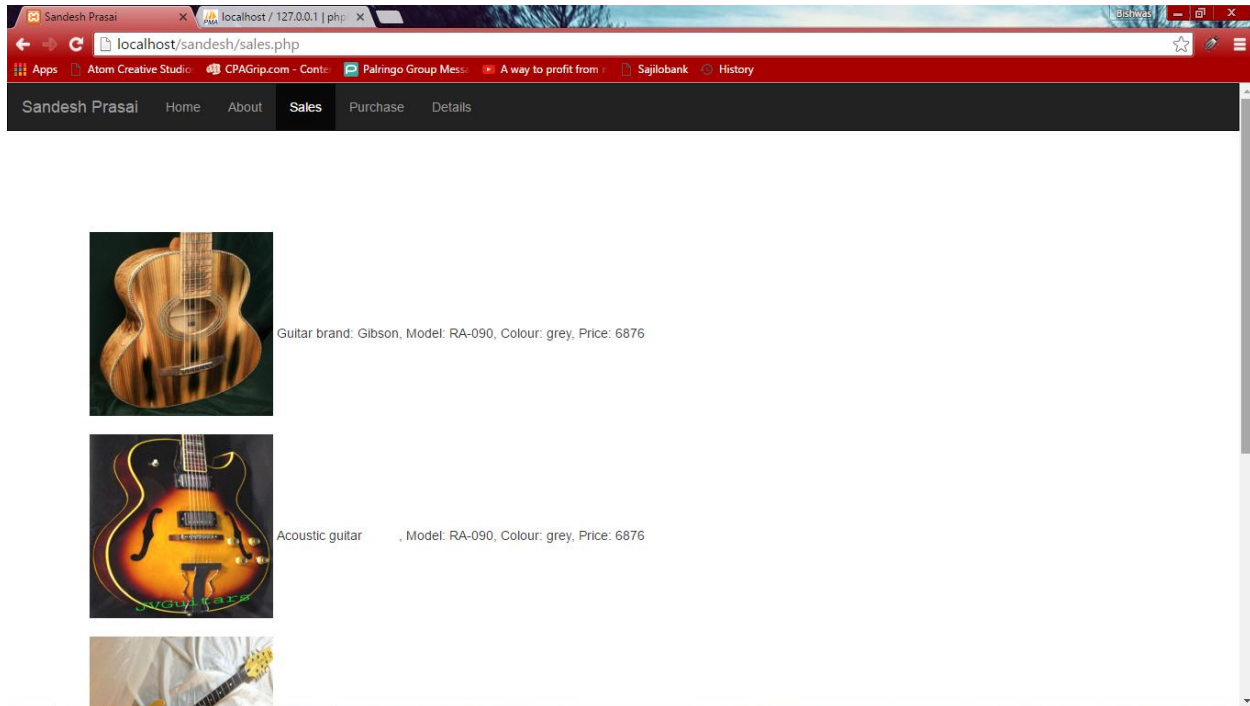
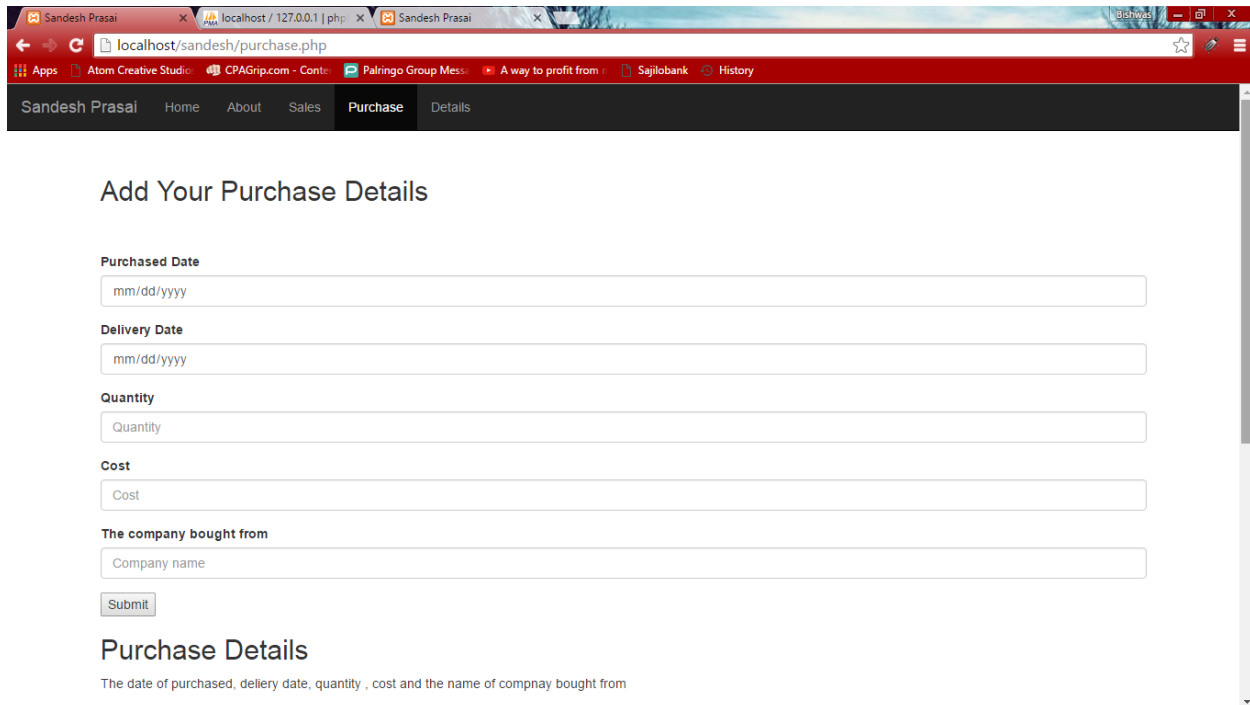


Figure 4: Sales page of system

This is sales page. Where sandesh can see picture of the guitar, brand, model, price and etc. It is only display the guitar available in their store. So that he can plan what do we have and what we have to order new guitar.



The screenshot shows a web browser window with the URL `localhost/sandesh/purchase.php`. The browser's address bar and tabs are visible at the top. Below the browser window, the website's navigation bar includes links for Home, About, Sales, Purchase, and Details. The main content area is titled "Add Your Purchase Details" and contains a form with the following fields:

- Purchased Date**: A text input field with a placeholder "mm/dd/yyyy".
- Delivery Date**: A text input field with a placeholder "mm/dd/yyyy".
- Quantity**: A text input field with a placeholder "Quantity".
- Cost**: A text input field with a placeholder "Cost".
- The company bought from**: A text input field with a placeholder "Company name".

Below the form fields is a "Submit" button. Underneath the form, the heading "Purchase Details" is followed by a description: "The date of purchased, delivery date, quantity, cost and the name of company bought from".

Figure 5: Input of purchase details page

This is purchase page. Where sandesh can add the details like: purchase date, delivery date, quantity, cost, the company bought from. Actually it is html form which take input from user and send to database. And the database will save the new data in organize manger.

Cost

Cost

The company bought from

Company name

Submit

Purchase Details

The date of purchased, deliery date, quantity , cost and the name of compnay bought from

ID	Purchased Date	Delivery Date	Quantity	Cost	The Compnay bought from	Edit
1	2016-04-01	0	20	200000	Jaguar	Edit
2	2016-04-04	2016	30	130000	Lacquer	Edit
3	2016-04-14	2016	50	1000000	Telecaster	Edit
4	2016-04-20	2016	5	500000	Stratocaster	Edit
5	2016-04-24	2016	100	200000	Telecaster	Edit
6	2016-04-26	2016	10	200000	Telecaster	Edit

©Sandesh prasai

Figure 6: Output of purchase details

This page is displaying the purchase details of the sandesh prasai guitar shop. This is output from database. In figure 5 the data are entered the database will save and in this table the data is displaying. The database is creating the unique Id for every item purchase date, delivery date, quantity, cost, the company brought from is shame from user input item.

The screenshot shows a web browser window with the URL `localhost/sandesh/edit_purchase.php?edit=1`. The browser's address bar and tabs are visible at the top. Below the browser window, the web application's header is a dark bar with the name 'Sandesh Prasai' and navigation links: 'Home', 'About', 'Sales', 'Purchase' (which is highlighted), and 'Details'. The main content area is titled 'Edit Your Details' and contains the following form fields:

- Purchased Date:** A text input field containing the value '04/01/2016'.
- Delivery Date:** A text input field with the placeholder text 'mm/dd/yyyy'.
- Quantity:** A text input field containing the value '20'.
- Cost:** A text input field containing the value '200000'.
- The company bought from:** A text input field containing the value 'Jaguar'.

At the bottom of the form is a button labeled 'Update'.

Figure 7: Edit page of purchase details

This is Edit page from purchase page. Here sandesh prasai can edit the details from another page. When he made a mistake or need to update the data. He simply clicks the edit bottom (right side of figure) in figure 6. The user can edit all the details from purchase page.

The screenshot shows a web browser window with the URL `localhost/sandesh/details.php`. The browser's address bar and tabs are visible at the top. Below the browser window, the web page content is displayed. It features a navigation bar with links: Sandesh Prasai, Home, About, Sales, Purchase, and Details. The main heading is "Add Your Guitar Details". Below this heading, there is a form with four input fields: "Make", "Model", "Colour", and "Price". Each field has a placeholder text matching its label. A "Submit" button is located below the "Price" field. Below the form, there is a section titled "Guitar Details" with a subtitle "The make, model, colour and price of guitar". This section contains a table with two columns: "ID" and "Make". The table has two rows of data. The first row shows ID 1, Make Gibson, Model RA-090, Colour blue, Price 6,878, and an Edit link. The second row shows ID 2, Make Rouge strater, Model Acoustic guitar, Colour grey, Price 11,464, and an Edit link.

Add Your Guitar Details

Make

Model

Colour

Price

Guitar Details
The make, model, colour and price of guitar

ID	Make	Model	Colour	Price	Edit
1	Gibson	RA-090	blue	6,878	Edit
2	Rouge strater	Acoustic guitar	grey	11,464	Edit

Figure 8: Input of guitar details page

This is details page. Where the user or sandesh can enter the guitar details like: make, model, color, price. This is html form it is directly connecting with database. This entered data will save in database.

Model

Colour

Price

price

Submit

Guitar Details

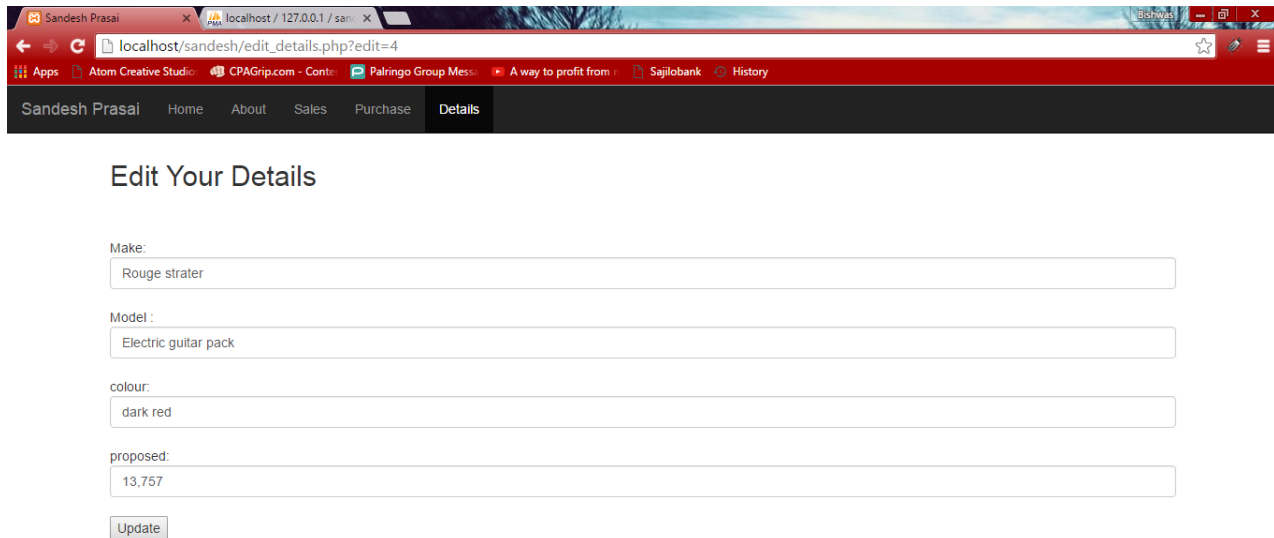
The make, model , colour and price of guitar

ID	Make	Model	Colour	Price	Edit
1	Gibson	RA-090	blue	6,878	Edit
2	Rouge strater	Acoustic guitar	grey	11,464	Edit
3	Mitchell	MD100pk	light blue	14,560	Edit
4	Rouge strater	Electric guitar pack	dark red	13,757	Edit
5	Rouge	RR100 Rocketeer	Dark Red	8,024	Edit

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Figure 9: Output of guitar details page

This is guitar details display from figure 8 where user input the details of the guitar. The details come from database. It will automatically generate the id number and other is shame from input data.



The screenshot shows a web browser window with the URL `localhost/sandesh/edit_details.php?edit=4`. The browser's address bar and tabs are visible at the top. Below the browser window, the page content is displayed. It features a red header bar with the name 'Sandesh Prasai' and navigation links: 'Home', 'About', 'Sales', 'Purchase', and 'Details'. The main content area is titled 'Edit Your Details' and contains a form with four input fields. The first field is labeled 'Make:' and contains the text 'Rouge strater'. The second field is labeled 'Model :' and contains 'Electric guitar pack'. The third field is labeled 'colour:' and contains 'dark red'. The fourth field is labeled 'proposed:' and contains '13,757'. Below these fields is a button labeled 'Update'.










Figure 10: Edit guitar details page

This is edit guitar details page. It comes from the details in figure 9. It allows to sandesh or user to edit and update the data from another page. The enter data can be mistake or can be update. so in this situation the page will help the user.

3. Test cases

Test 1. Login

Input	Username: something Password: anything
Expected Output	Failed Login
Actual Output	Failed Login

		id	username	password
<input type="checkbox"/>	 Edit	 Copy	 Delete	1 sandesh 1234
	<input type="checkbox"/> Check All	With selected:  Change  Delete  Export		
<input type="checkbox"/> Show all	Number of rows:	25	Filter rows:	<input type="text" value="Search this table"/>

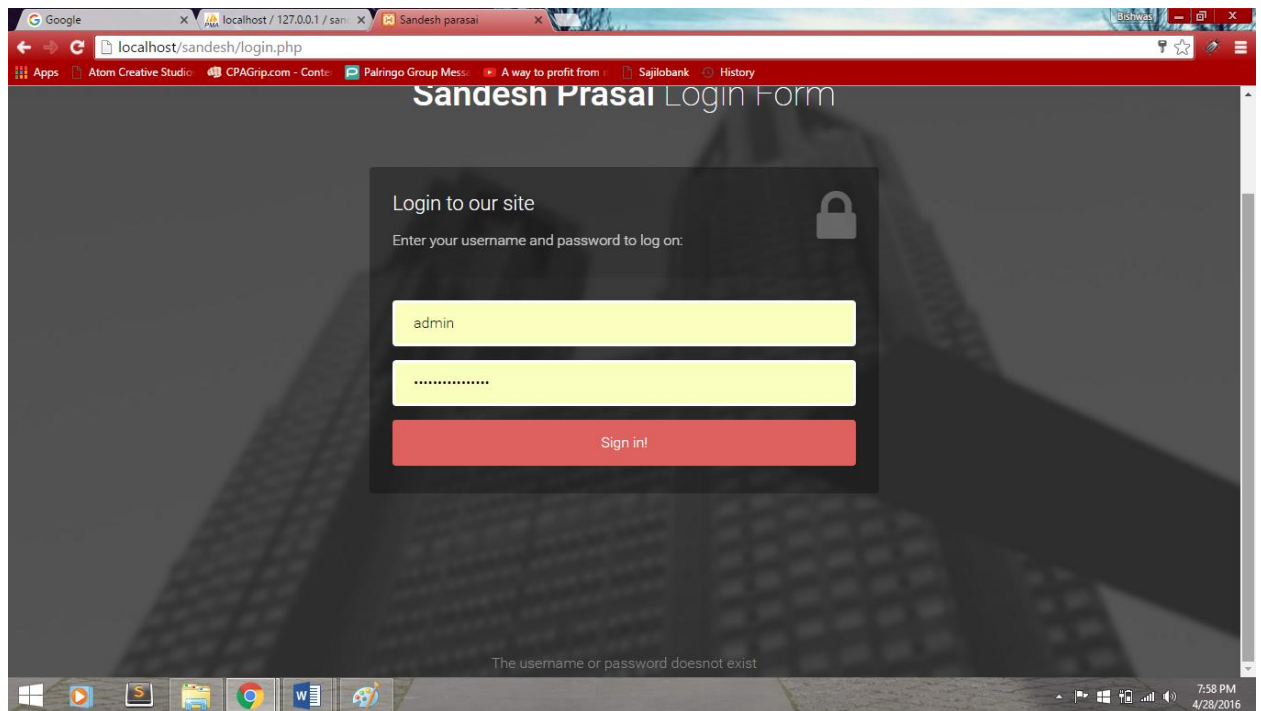


Figure 11: Login failed

Test one result: The test is successful because login user name and password is wrong.

Test 2. Login

Input	Username: something Password: anything
Expected Output	successful Login
Actual Output	successful Login

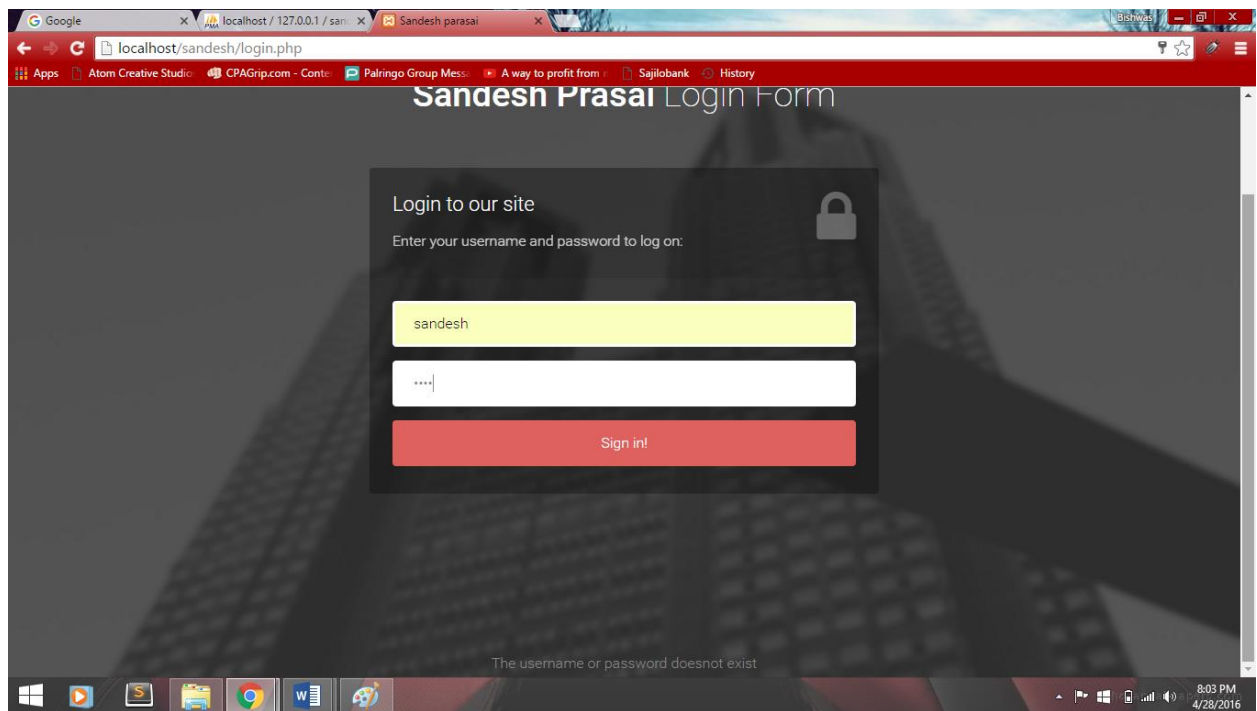


Figure 12: Login successful

Test two result: Login is successful because the expected username and password is right.

Test 3: Wrong and blank input

Input	Blank and wrong cannot be added to the database or system
Expected Output	Error message
Actual Output	Error message

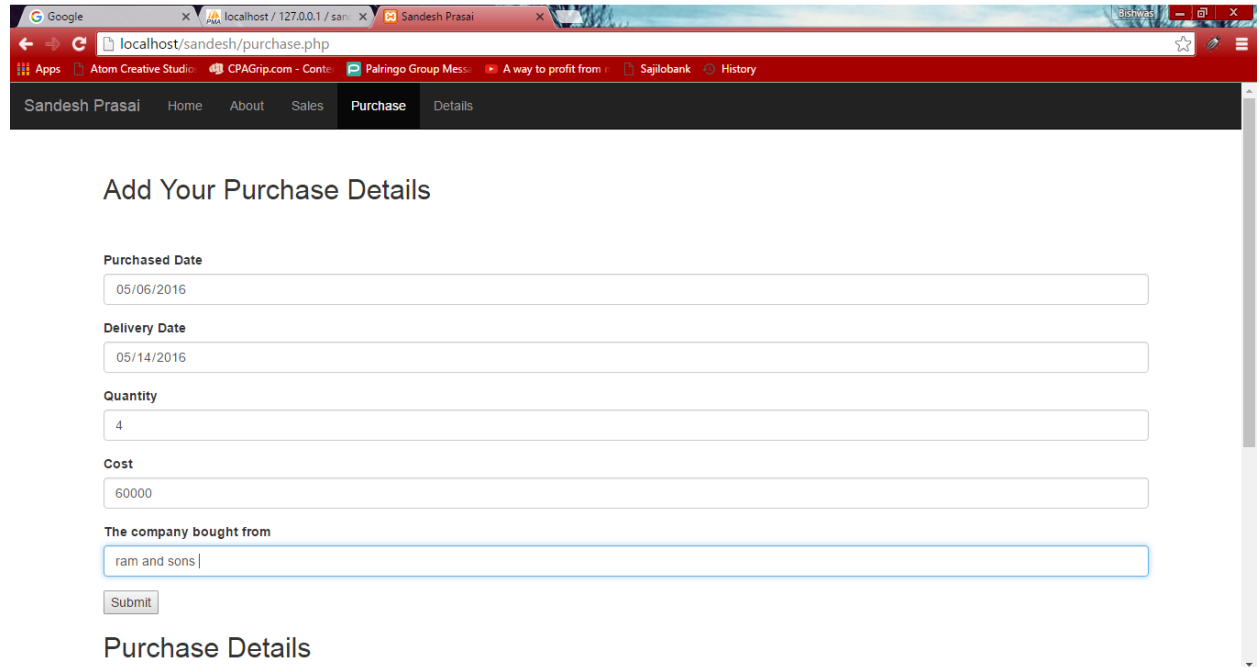
The screenshot shows a web browser window with the URL `localhost/sandesh/purchase.php`. The page has a navigation bar with links: Sandesh Prasai, Home, About, Sales, Purchase, and Details. The main heading is "Add Your Purchase Details". Below it are five input fields: "Purchased Date" (with a placeholder "mm/dd/yyyy" and a dropdown arrow), "Delivery Date" (with a tooltip "Please fill out this field."), "Quantity" (with a placeholder "Quantity"), "Cost" (with a placeholder "Cost"), and "The company bought from" (with a placeholder "Company name"). A "Submit" button is located below the last field. The browser's taskbar at the bottom shows various application icons and the system clock indicating 8:12 PM on 4/28/2016.

Figure 13: Wrong and blank input

Test three result: The test successful because the wrong input and blank cannot be added to database.

Test 4: Add purchase details

Input	Add purchase details like: purchase date, delivery date, quantity, cost, the company bought from.
Expected Output	Add new item successful
Actual Output	Add new item successful



Add Your Purchase Details

Purchased Date
05/06/2016

Delivery Date
05/14/2016

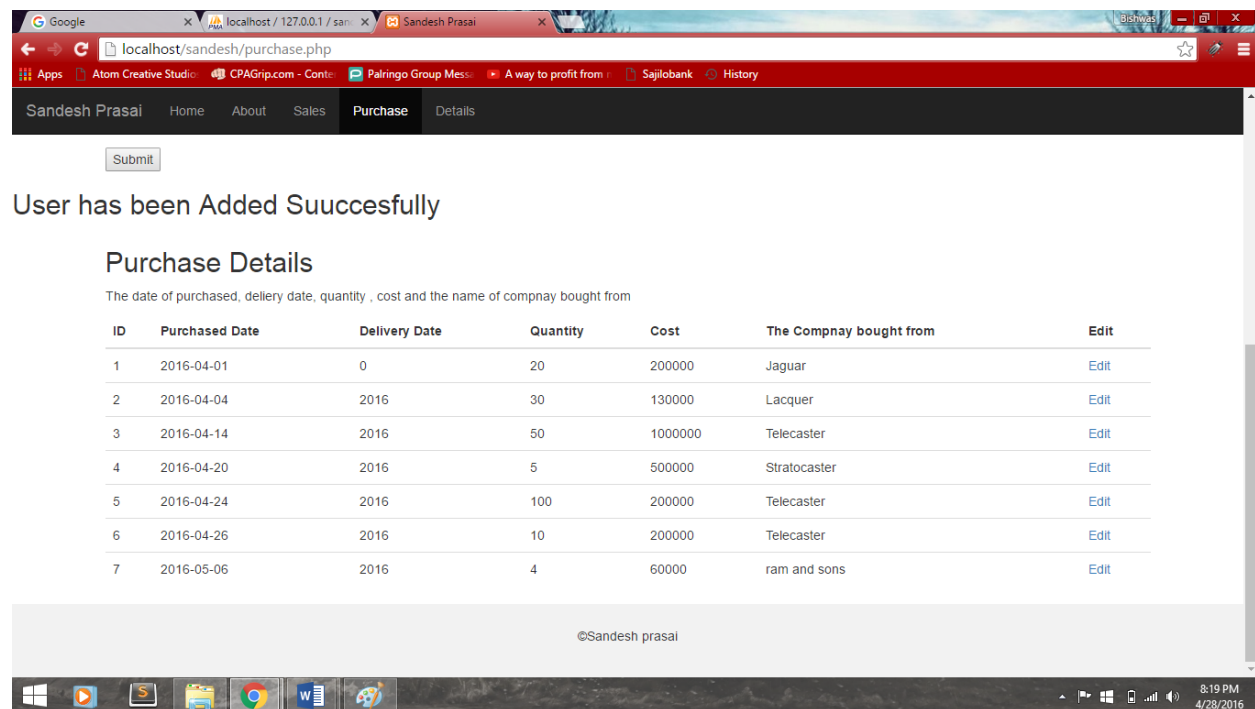
Quantity
4

Cost
60000

The company bought from
ram and sons

Purchase Details

Figure 14: Inputting new item details



User has been Added Suuccesfully

Purchase Details

The date of purchased, deliery date, quantity , cost and the name of compnay bought from

ID	Purchased Date	Delivery Date	Quantity	Cost	The Compnay bought from	Edit
1	2016-04-01	0	20	200000	Jaguar	Edit
2	2016-04-04	2016	30	130000	Lacquer	Edit
3	2016-04-14	2016	50	1000000	Telecaster	Edit
4	2016-04-20	2016	5	500000	Stratocaster	Edit
5	2016-04-24	2016	100	200000	Telecaster	Edit
6	2016-04-26	2016	10	200000	Telecaster	Edit
7	2016-05-06	2016	4	60000	ram and sons	Edit

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Figure 15: Add new item successfully

<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div>			id	pdate	ddate	qunty	cost	cname	
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	1	2016-04-01		0 20	200000	Jaguar
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	2	2016-04-04		2016 30	130000	Lacquer
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	3	2016-04-14		2016 50	1000000	Telecaster
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	4	2016-04-20		2016 5	500000	Stratocaster
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	5	2016-04-24		2016 100	200000	Telecaster
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	6	2016-04-26		2016 10	200000	Telecaster
<input type="checkbox"/>	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Edit	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Copy	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> Delete	7	2016-05-06		2016 4	60000	ram and sons

☐ Check All

With selected:

 Change Delete Export

☐ Show all

|

Number of rows:

25

Filter rows:

Search this table

Figure 16: After adding new item in database

Test result four: The test is successful because the new item has been added to the database.

Test 5: Wrong and blank input

Input	Blank and wrong cannot be added to the database or system
Expected Output	Error message
Actual Output	Error message

Add Your Guitar Details

Make

Model
 ! Please fill out this field.

Colour

Price

Guitar Details
 The make, model, colour and price of guitar

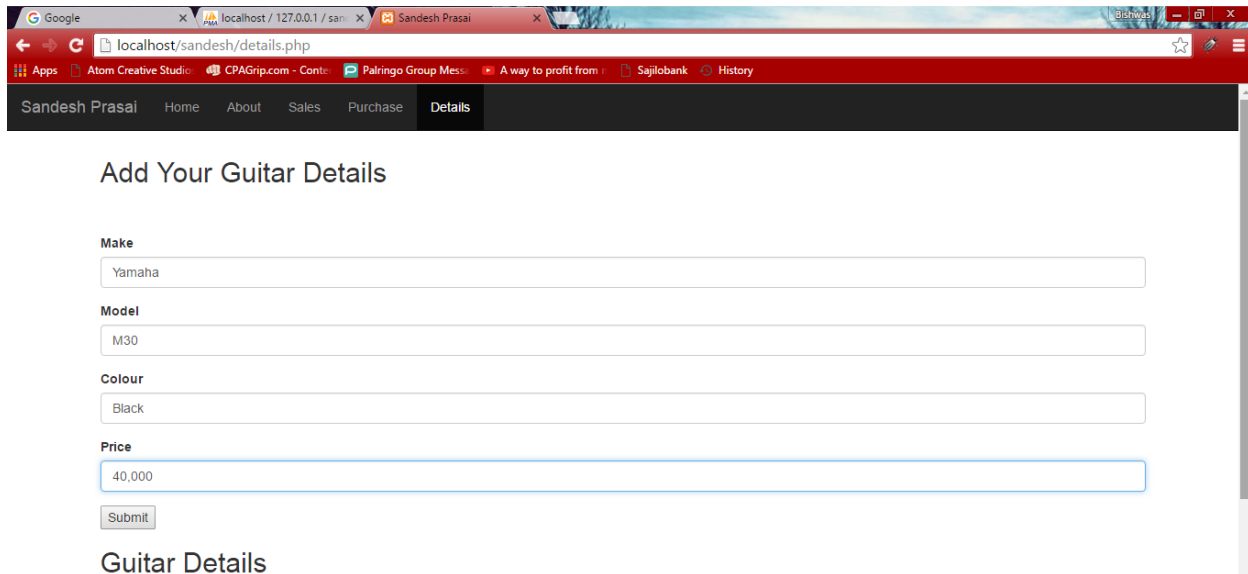
ID	Make	Model	Colour	Price	Edit
1	Gibson	RA-090	blue	6,878	Edit

Figure 17: checking wrong and blank input

Test result fifth: The system is checking the wrong and blank input from user.

Test 6: Add guitar details

Input	Add guitar details like: make, model, color, price.
Expected Output	Add new item successful
Actual Output	Add new item successful



Google | localhost / 127.0.0.1 / sandesh | Sandesh Prasai

localhost/sandesh/details.php

Sandesh Prasai | Home | About | Sales | Purchase | **Details**

Add Your Guitar Details

Make
Yamaha

Model
M30

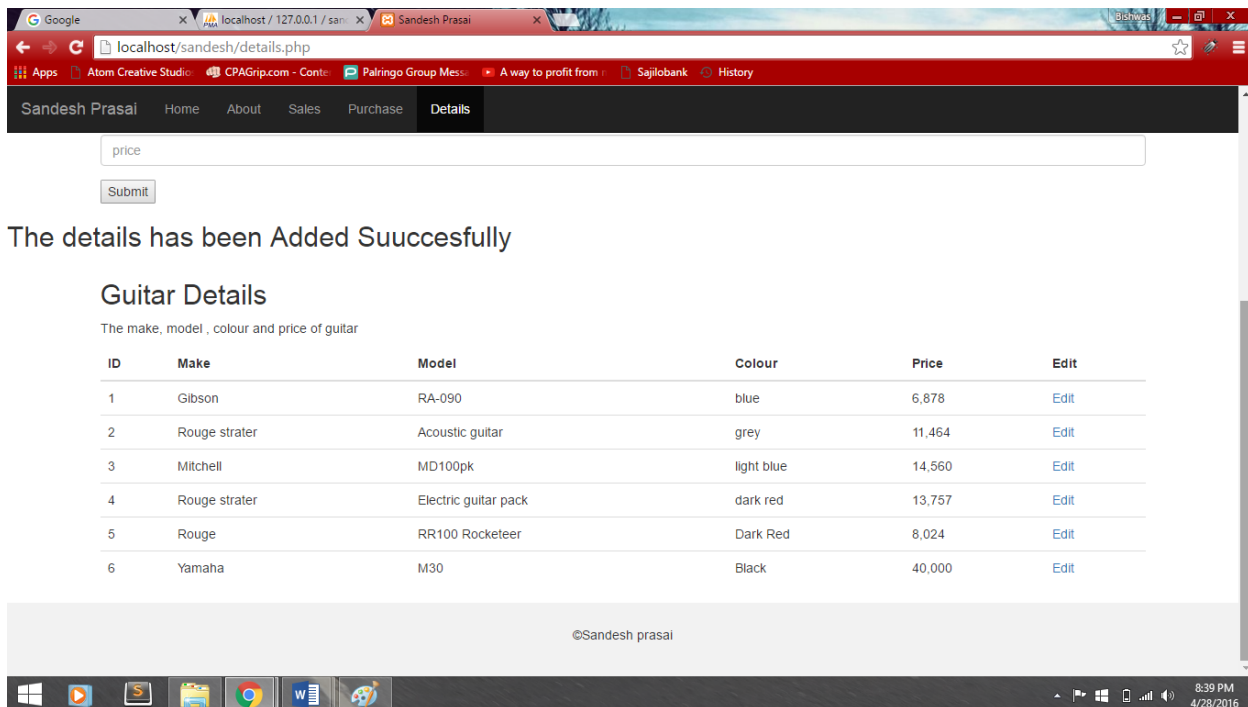
Colour
Black

Price
40,000

Submit

Guitar Details

Figure 18: Inputting new item details



Google | localhost / 127.0.0.1 / sandesh | Sandesh Prasai

localhost/sandesh/details.php

Sandesh Prasai | Home | About | Sales | Purchase | **Details**

price

Submit

Guitar Details

The make, model, colour and price of guitar

ID	Make	Model	Colour	Price	Edit
1	Gibson	RA-090	blue	6,878	Edit
2	Rouge strater	Acoustic guitar	grey	11,464	Edit
3	Mitchell	MD100pk	light blue	14,560	Edit
4	Rouge strater	Electric guitar pack	dark red	13,757	Edit
5	Rouge	RR100 Rocketeer	Dark Red	8,024	Edit
6	Yamaha	M30	Black	40,000	Edit

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Figure 19: The details has been added and display to screen

+ Options

</

Figure 20: After adding new guitar details in database

Test sixth: The test is successful because the new guitar details has been added to the database.

Test 7: View the guitar details and its photo (available in store)

Input	View the guitar details and its photo.
Expected Output	View guitar details available in store.
Actual Output	View guitar details available in store.

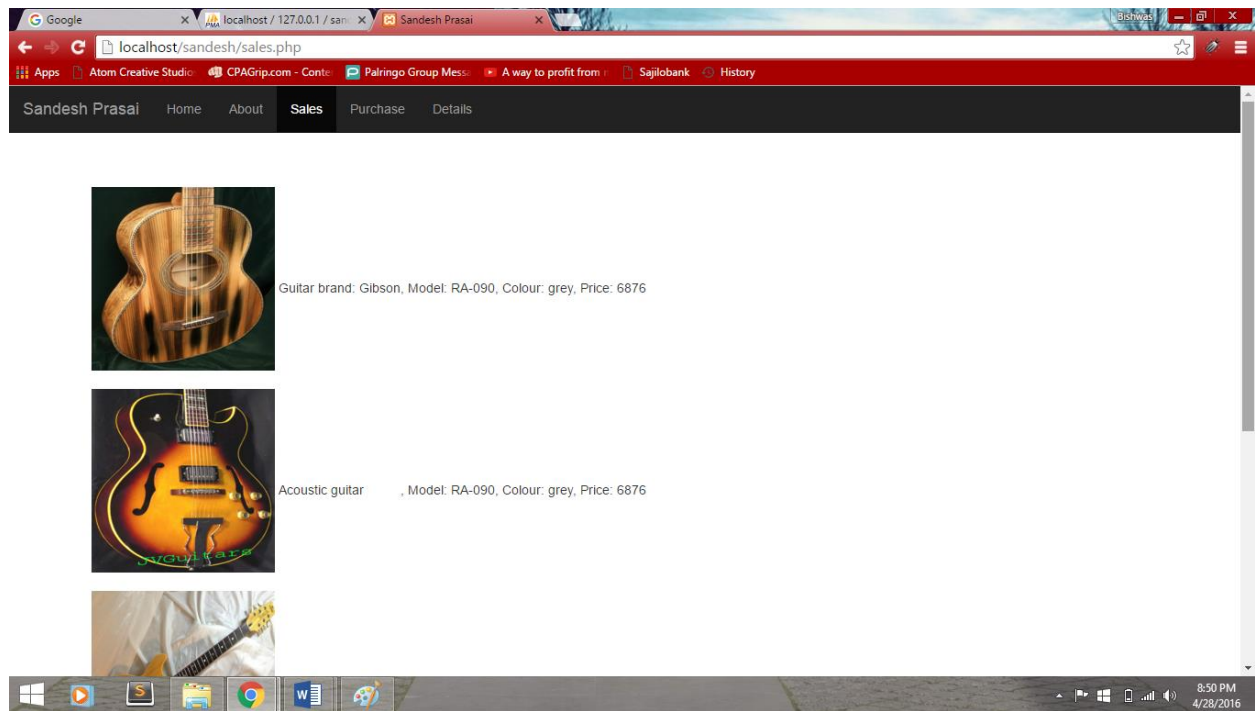


Figure 21: View the details of guitar and its photo(available in store)

Test seven: Sandesh can view the details of the guitar and its photo available in store.

4. Summary

Making this project is not an easy job. It takes a lot of time and research. I started this project one month ago. For the first time I have done project in MySQL and PHP. In this process I have consult with module leader so many times. Additionally, I have also consult with various other teacher. Also consult with senior and my class mate. It was difficult task to handle the MySQL database and PHP. Moreover, I also have to focus on the requirements of project or client and focus on the user interface and different browsers compatibility mode. Lastly I have learned so some positive and great skills from this project. I hope so this skill may help for my further purpose and further carrier.

5. Reference

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