VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018

A Database Management System Mini Project Report on

"PC BUILD"

Submitted in Partial fulfillment of the Requirements for the V Semester of the Degree of

Bachelor of Engineering in

Computer Science & Engineering

By

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Under the Guidance of,

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CMR INSTITUTE OF TECHNOLOGY

Affiliated to VTU, Approved by AICTE, Accredited by NBA and NAAC with "A++" Grade

ITPL MAIN ROAD, BROOKFIELD, BENGALURU-560037, KARNATAKA, INDIA

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CERTIFICATE

This is to certify that the Database Management System Project work entitled **" PC BUILD"** has been carried out by **JEEVAN S, 1CR21CS408 and SUNIL KUMAR P, 1CR21CS414** bonafide students of CMR Institute of Technology, Bengaluru in partial fulfillment for the award of the Degree of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2022-2023**. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report deposited in the departmental library. This Database Management System Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide	**Signature of HOD**
Dr. Sanchari Saha **Assistant Professor** **Dept. of CSE, CMRIT**	**Shreekanth M.Prabhu** **Professor & HoD** **Dept. of CSE, CMRIT**

External Viva

Name of the Examiners

1.

2. Signature with date

DECLARATION

We, the students of V semester of Computer Science and Engineering, CMR Institute of Technology, Bangalore declare that the project work entitled "**PC BUILD**" has been successfully completed under the guidance of Dr. Sanchari Saha, Assistant Professor, Dept. of Computer Science and Engineering, CMR Institute of technology, Bengaluru. This project work is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering during the academic year 2022-2023. The matter embodied in the project report has not been submitted previously by anybody for the award of any degree or diploma to any university.

Place: Bangalore

Date:17/01/2023

Team members:

JEEVAN S (1CR21CS408)	**JEEVAN S**
SUNIL KUMAR P (1CR21CS414)	**SUNIL KUMAR P**

ABSTRACT

This project focuses more on how computer system could be coupled and maintained effectively and efficiently without any fault during assembling of the system.

Throughout this project we shall focus on each and every components needed for assembling and also there functions. The main reason why people go for assembling of system instead of buying a new system is to allow them to have good and satisfactory quality of what they want. Buying a new computer system might not solve the problem of some people but coupling it themselves ease their wounds when it comes to satisfaction. The main important of coupling a computer system is to have access to all those components and to know how to couple and disassemble it when the system is faulty.

ACKNOWLEDGEMENT

I take this opportunity to express my sincere gratitude and respect to **CMR Institute of Technology, Bengaluru** for providing me a platform to pursue my studies and carry out the Database Management System Project.

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I would also like to thank all the faculty members of Department of Computer Science and Engineering who directly or indirectly encouraged me.

Finally, I thank my parents and friends for all the moral support they have given me during the completion of this work.

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CHAPTER 1

INTRODUCTION

Assembling a computer yourself is a good way to learn how they work. Our Website is an option to build a desktop computer by selecting the PC parts like Processor, Motherboard, GPU, RAM, SSD, and other PC parts as per your choice and requirements.

1.1 Objectives

- Building a PC allows you to handpick every component that goes into your machine. When you have total control over your computer's internal components, the final product can have a better overall build quality.
- To provide assistance to the users.
- To inspire the users to do good PC.

1.2 Scope of the project

It is focused on studying of PC BUILD in and to make sure that the users can build good Desktops. This also will produce:

- Less effort and the primary cost and focus primarily on creating, managing, and running a secure desktop maintenance.
- Increasing number of users will find it easier and more convenient to build the desktop.

CHAPTER 2

SYSTEM REQUIREMENTS

2.1 Hardware Requirements

Processor : i5 Core Processor

Clock speed : 1.19 GHz

RAM : 8 GB 3.2

2.2 Software Requirements

Operating System : 64-bit Operating System, Windows 10 or Ubuntu 22.04

Database : MySQL

Web Server : XAMPP

IDE : Visual Studio Code

Scripting Language : PHP , JavaScript

Front End : HTML, CSS, Bootstrap

CHAPTER 3

DESIGN

3.1 ER Diagram

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. In other words, ER diagrams illustrate the logical structure of databases.

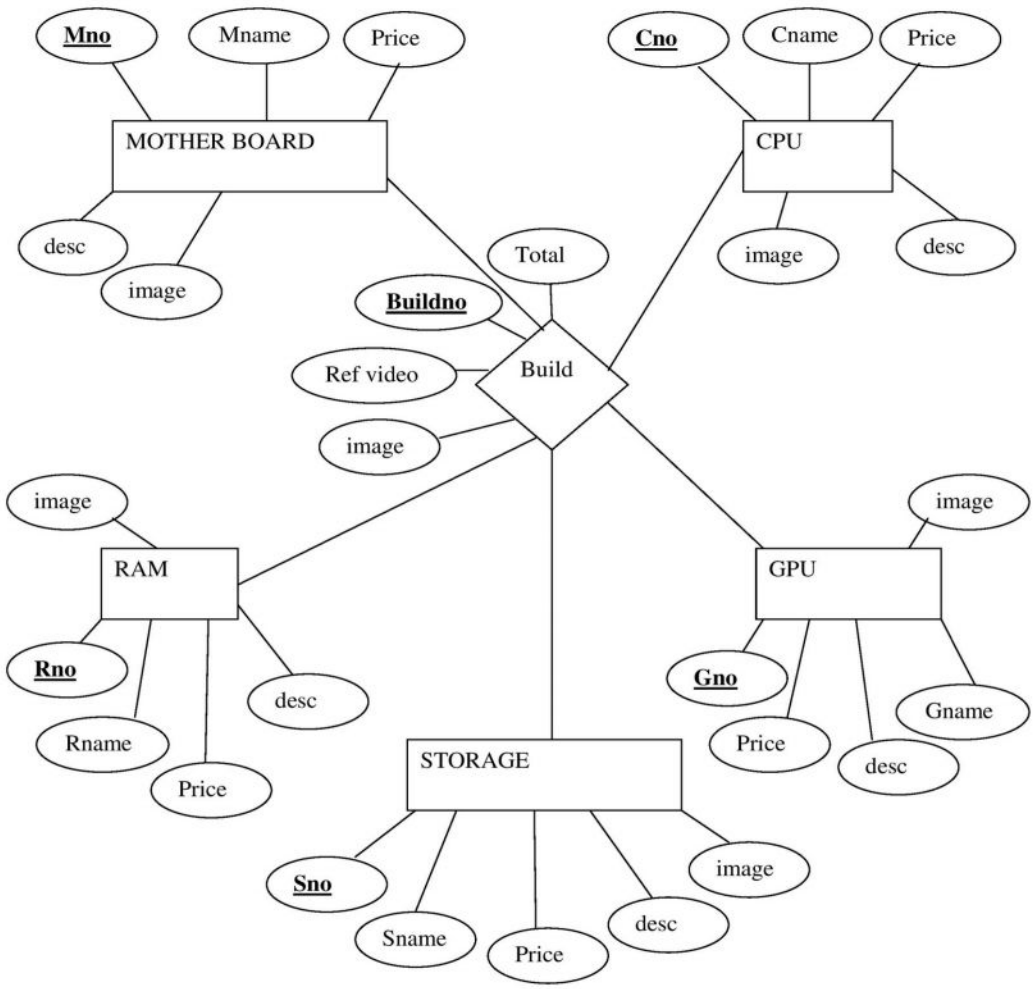

FIG3.1 ER DIAGRAM

3.2 Schema Diagram

A schema diagram is a diagram which contains entities and the attributes that will define that schema. A schema diagram shows us the database design.

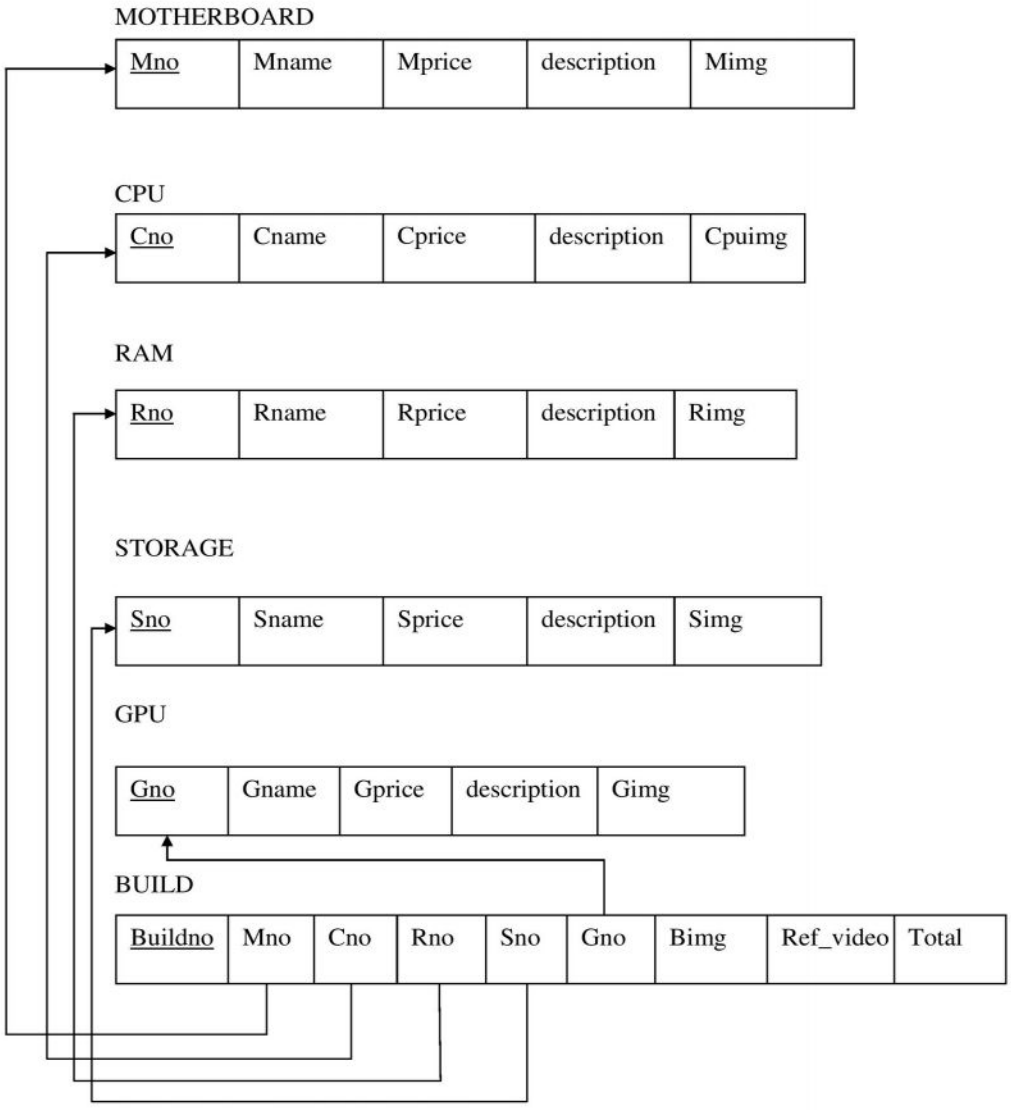

FIG 3.2 SCHEMA DIAGRAM

CHAPTER 4

IMPLEMENTATION

4.1 Introduction

This project is designed and implemented using MySQL database along with PHP for back-end implementation and HTML and CSS for front-end design. IDE used is Visual Studio Code.

MySQL

The back-end of the web application is basically the brains behind the front-end. It comprises of three components: server, application and database. It is a link between the server and the user. Most of the coding for the web application can be found in the back-end and the quality of this code determines how the website functions. In this project MySQL is used as a back-end technology. MySQL is a multi-threaded, multi-user SQL Database Management System. The basic program run as server providing multi-user access to a number of databases. MySQL is currently the world's most popular and widely used open source database technology and data storage system. MySQL offers great reliability and ease of use. MySQL runs on virtually all platforms, including Linux, UNIX, and Windows.

Hypertext Preprocessor (PHP)

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general purpose scripting language that is primarily designed for web development and can be embedded into HTML. PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page. PHP commands can be embedded directly into an HTML source document external file to process data or it can be used in combination with various web template systems, web content management systems and web frameworks. It has also evolved to include a command line interface capability and can be used in standalone graphical applications.

A good benefit of using PHP is that it can interact with many different database languages including MySQL. Both PHP and MySQL are compatible with an Apache server which is also free to license. PHP can also run on Windows, Linux and UNIX servers. Due to all these languages being free it is cheap and easy to setup and create a website using PHP. PHP also has very good online documentation with a good framework of. functions in place.

Hypertext Markup Language (HTML)

HTML is the web's core language for creating documents and applications for everyone to use, anywhere. It is standardizing system for tagging text files to achieve font, color, graphic and hyperlink effects on World Wide Web pages. HTML elements form the building blocks of all websites. The markup tells the web browsers how to display web pages. Web browsers can read HTML files and render them into visible or audible web pages. Browsers do not display the HTML tags and scripts, but use them to interpret the content of the page. HTML describes the structure of websites. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of corner stone technologies of the World Wide Web.

Cascading Style Sheets (CSS)

CSS is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a simple mechanism for adding style (e.g. fonts, colors, spacing etc.) to web documents. CSS defines how HTML elements are displayed. CSS is a cornerstone technology used by most websites to create visually engaging web pages, user interfaces for web application and user interfaces for many mobile applications. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors and fonts. This separation can improve content accessibility, provide more flexibility. This separation of formatting and content makes it possible to present the same markup page in different styles for different rendering methods.

XAMPP

XAMPP stands for Cross-Platform (X), Apache (A), MySQL (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing purposes. Everything need to set up a web server – server application (Apache), database (MySQL), and scripting language (PHP) – is included in a simple extractable file. XAMPP is also cross-platform, which means it works equally well on Linux, Mac and Windows.

4.2 Database Design

Buildno	Mno	Cno	Gno	Rno	Sno	Bimg	Refervideo	Total
1	1	1	1	1	1	[BLOB - 4.8 KiB]	https://www.youtube.com/embed/hncroWOKtbI	24280
2	3	6	3	4	2	[BLOB - 91.8 KiB]	https://www.youtube.com/embed/D2YBWDLZTFY	62295
3	1	4	1	1	1	[BLOB - 4.8 KiB]	https://www.youtube.com/embed/hncroWOKtbI	24164
4	4	7	4	5	3	[BLOB - 102.3 KiB]	https://www.youtube.com/embed/6fEJxh5qkUs	116521
5	5	8	5	3	5	[BLOB - 4.8 KiB]	https://www.youtube.com/embed/PXaLc9AYIcg	36516

Table 4.1 Build Table.

Mno	Mname	Mprice	Description	Mimg
1	GIGABYTE GA-A320M-S2H Motherboard	5000	Supports AMD 5000 Series/ 5000 G-Series/ 4000 G-Se...	[BLOB - 270.5 KiB]
3	MSI B450 Tomahawk MAX II ATX Gaming Motherboard So...	12500	Supports 1st, 2nd and 3rd Gen AMD Ryzen / Ryzen wi...	[BLOB - 251.3 KiB]
4	ASUS ProArt B550-CREATOR AMD B550 Ryzen AM4 ATX	22359	The ProArt B550-Creator motherboard equips creativ...	[BLOB - 113.9 KiB]
5	ASUS Prime H510M-EMicroATX Motherboard LGA1200	5999	The ASUS Prime H510M-E motherboard is designed t...	[BLOB - 27.6 KiB]
6	MSI B550M PRO-VDH WiFi DDR4	11063	Powered by 3rd generation AMD Ryzen 9, Ryzen7, Ryz...	[BLOB - 237.1 KiB]

Table 4.2 Motherboard Table.

Cno	Cname	Cprice	Description	CPUimg
1	AMD Ryzen™ 5 1600 Processor	9015	6 Cores & 12 Threads, Base Clock: 3.2GHz, Max Boos...	[BLOB - 68.0 KiB]
4	AMD Ryzen 3 1300X	8899	True Quad Core, Unlocked Performance for Responsiv...	[BLOB - 65.9 KiB]
6	AMD Ryzen 5 3600 Desktop Processor 6 Cores up to 4...	10599	6 Cores & 12 Threads Base Clock: 3.6GHz, Max Boos...	[BLOB - 160.6 KiB]
7	AMD 5000 Series Ryzen 7 5800X Desktop Processor 8 ...	25985	8 Cores & 16 Threads, 36 MB Cache. Base Clock: 3.8...	[BLOB - 73.3 KiB]
8	Intel Core i5-11400F Desktop Processor 6, 6 Cores ...	11799	Compatible with Intel 500 series & select Intel 40...	[BLOB - 67.1 KiB]

Table 4.3 CPU Table.

Gno	Gname	GPUimg	Gprice	Description
1	ASUS GeForce 710-2-SL GT 710	[BLOB - 233.3 KiB]	4500	Silent passive cooling means true 0db- perfe...
3	MSI Gaming GeForce GTX 1660	[BLOB - 109.6 KiB]	34499	Dispersion fan blade: Steep curved blade accelerat...
4	ASUS TUF GeForce RTX3070 Gaming OC 8GB GDDR6 256-B...	[BLOB - 206.2 KiB]	62990	NVIDIA Ampere Streaming Multiprocessors: The build...
5	Silario AMD Video Card RX 580 8GB AMD Radeon 256Bi...	[BLOB - 147.9 KiB]	11000	Best for Gaming, Editing and Crypto Currency Minin...
6	Colorful GeForce GTX 1650 NB 4GB GDDR5 Twin Fan 12...	[BLOB - 71.3 KiB]	14799	The powerful GeForce GTX 1650 NB takes advantage o...

Table 4.4 GPU Table.

Rno	Rname	RAMimg	Rprice	Description
1	Corsair Vengeance LPX 8GB DDR4 3000	[BLOB - 39.0 KiB]	2695	Each vengeance LPX module is built with a pure alu...
3	GIGABYTE X570 AORUS ULTRA Emolevy - AMD X570	[BLOB - 81.2 KiB]	5969	Emolevy, ATX, AMD AM4 Socket, AMD X570, 2 x PCI-Ex...
4	XPG Adata GAMMIX D30 DDR4 3200MHz 8GB	[BLOB - 154.9 KiB]	2198	Unique heatsink design with edgy wing-shaped Supp...
5	ALKETRON - 8GB DDR3 RAM (Memory) 1600MHz | CL11	[BLOB - 85.1 KiB]	1749	Assembled in India - 3 Years Warranty - ALKETRON B...
6	Crucial RAM 32GB DDR4 3200MHz CL22 (or 2933MHz or ...	[BLOB - 85.1 KiB]	11360	Speeds up to 3200 MT/s and faster data rates are ...

Table 4.5 RAM Table.

Sno	Sname	Simg	Sprice	Description
1	Seagate Maxtor Z1 240GB	[BLOB - 260.9 KiB]	3070	Leverage a SATA SSD that provides up to 30× faster...
2	A-DATA SU650 240 GB M.2 Solid State Drive - SU650 ...	[BLOB - 95.5 KiB]	2499	SU650 Solid State Drive - Get your entertainment, ...
3	Western Digital WD Blue SA510 SATA 500GB, Up to 56...	[BLOB - 110.1 KiB]	3438	Upgrade your creativity with a performance boost ...
4	Crucial BX500 480GB 3D NAND SATA 6.35 cm (2.5-inch...	[BLOB - 51.1 KiB]	2449	Fly through everything you do: 300% faster than a...
5	Kingston Q500 240GB SATA3 2.5 SSD	[BLOB - 105.6 KiB]	1749	Check out the SSD buying guide in Videos section U...

Table 4.6 STORAGE Table.

4.3 CODE IMPLEMENTATION

DATABASE CONNECTION

```
<?php
$sname= "Localhost";
$name= "root";
$password = "";
$db_name = "PC_BUILD";
$conn = new mysqli($sname, $name, $password, $db_name);

if (!$conn) {
echo 'Could not connect';
}
?>
```

CREATION OF TABLE

```
CREATE TABLE `BUILD` (
`Buildno` int(11) NOT NULL,
`Mno` int(11) NOT NULL,
`Cno` int(11) NOT NULL,
`Gno` int(11) NOT NULL,
`Rno` int(11) NOT NULL,
`Sno` int(11) NOT NULL,
`Bimg` mediumblob NOT NULL,
`Refervideo` varchar(500) NOT NULL,
`Total` bigint(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

CREATE TABLE `CPU` (
`Cno` int(11) NOT NULL,
`Cname` varchar(500) NOT NULL,
`Cprice` int(11) NOT NULL,
`Description` varchar(500) NOT NULL,
`CPUimg` mediumblob NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

CREATE TABLE `GPU` (
`Gno` int(11) NOT NULL,
`Gname` varchar(500) NOT NULL,
`GPUimg` mediumblob NOT NULL,
`Gprice` int(11) NOT NULL,
`Description` varchar(500) NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

CREATE TABLE `MotherBoard` (
`Mno` int(11) NOT NULL,
`Mname` varchar(100) NOT NULL,
`Mprice` int(11) NOT NULL,
`Description` varchar(500) NOT NULL,
`Mimg` longblob NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

CREATE TABLE `RAM` (
`Rno` int(11) NOT NULL,
`Rname` varchar(500) NOT NULL,
`RAMimg` mediumblob NOT NULL,
`Rprice` int(11) NOT NULL,
`Description` varchar(500) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

CREATE TABLE `STORAGE` (
`Sno` int(11) NOT NULL,
`Sname` varchar(500) NOT NULL,
`Simg` mediumblob NOT NULL,
`Sprice` int(11) NOT NULL,
`Description` varchar(500) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

HEADER PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>PC BUILD</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvy
TG2x" crossorigin="anonymous" />
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/5.0.0-alpha1/css/bootstrap.min.css"
integrity="sha384-
r4NyP46KrjDleawBgD5tp8Y7UzmLA05oM1iAEQ17CSuDqnUK2+k9luXQOfXJCJ4I"
crossorigin="anonymous">
```

```
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.3.0/font/bootstrap-icons.css" />
<link href="https://api.mapbox.com/mapbox-gl-js/v2.1.1/mapbox-gl.css" rel="stylesheet"
/>
<link rel="stylesheet" href="style.css" />
<title>PC BUILD</title>
<style>
.extragap {
margin-top: 5.1%;
}
a {
text-decoration: none;
}
.extragap1 {
background-color:black;
margin-top: 5%;
}
p {
color: black;
}
</style>
</head>
<body>
<!-- Navbar -->
<nav class="navbar navbar-expand-lg bg-primary navbar-dark py-3 fixed-top">
<div class="container">
<a href="index.php" class="navbar-brand">PC BUILD</a>
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navmenu">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navmenu">
<ul class="navbar-nav ms-auto">
<li class="nav-item">
<a href="index.php" class="nav-link">HOME</a>
</li>
<li class="nav-item">
<a href="product.php" class="nav-link">BUILD</a>
</li>
<li class="nav-item">
<a href="question.php" class="nav-link">QUESTIONS</a>
</li>
<li class="nav-item">
<a href="about.php" class="nav-link">ABOUT US</a>
</li>
```

```
</ul>
</div>
</div>
</nav>
```

FOOTER PAGE

```
<section class="bg-secondary extragap">
</section>
<footer class="p-5 bg-dark text-light text-center position-relative bottom-0 end-0">
<div class="container">
<p class="lead text-light">Copyright &copy; 2022-23 <br> FSD MINI PROJECT</p>
<a href="#" class="position-absolute bottom-0 end-0 p-5">
<i class="bi bi-arrow-up-circle h1"></i>
</a>
</div>
</footer>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-gtEjrD/SeCtmISkJkNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3Ulb9B
n9Plx0x4" crossorigin="anonymous"></script>
</body>
</html>
```

HOME PAGE

```
<?php
require_once 'includes/header.php';
?>
<!-- Showcase -->
<section class="bg-dark text-light p-5 p-lg-0 pt-lg-5 text-center text-sm-start">
<div class="container">
<div class="d-sm-flex align-items-center justify-content-between">
<div>
<p class="lead my-4 text-light">
<h3>Want a Better PC? Try Building Your Own.</h3><br>
Assembling a computer yourself is a good way to learn how they work.
</p>
<a href="product.php" class="btn btn-primary btn-lg">CLICK HERE FOR THE
LATEST COMBINATIONS!</a>
</div>
<img class="img-fluid w-50 d-none d-sm-block" src="img/pc.jpg" alt="" />
</div>
</div>
</section>
```

```
<!--another-->
<section class="bg-secondary text-light p-5">
<div class="container">
<div class="d-md-flex justify-content-between align-items-center">
<h3 class="mb-3 mb-md-0">Latest Offers</h3>
</div>
</div>
</section>
<?php
require_once 'conn.php';

$sql = 'SELECT * FROM BUILD';
$result = mysqli_query($conn, $sql);
?>

<!-- Boxes -->
<section class="p-5">
<div class="container">
<div class="row text-center g-4">
<?php
while ($row = $result->fetch_array(SQLITE3_ASSOC)) {
$Buildno = $row['Buildno'];
$Bimg = $row['Bimg'];
$Total = $row['Total'];
?>
<div class="card" style="width: 18rem;">
<!-- <img src="img/pc2.png" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($Bimg) . '">'; ?>
<div class="card-body">
<h5 class="card-title"><?php echo $Buildno ?></h5>
<p class="card-text"><?php echo $Total ?></p>
<a href="product_view.php?no=<?php echo $Buildno; ?>" class="btn btn-
primary">view</a>
</div>
</div>
<?php } ?>
</div>
</div>
</section>
<!-- MORE Sections -->
<section id="learn" class="p-5" style="background-color:#F4B746;">
<div class="container">
<div class="row align-items-center justify-content-between">
<div class="col-md">
```

```
<img src="./img/guidebook.png" class="img" alt="" width="700" height="500" />
</div>
<div class="col-md p-5">
<h2>Guide</h2>
<p class="lead">
Do what you can, with what you have, where you are
</p>
<p>
Lorem ipsum dolor sit, amet consectetur adipisicing elit. Cumque
reiciendis eius autem eveniet mollitia, at asperiores suscipit
quae similique laboriosam iste minus placeat odit velit quos,
nulla architecto amet voluptates?
</p>
<a href="guide.php" class="btn btn-light mt-3">
<i class="bi bi-chevron-right"></i> Read More
</a>
</div>
</div>
</div>
</section>
<?php require_once 'includes/footer.php'; ?>
```

PRODUCT PAGE

```
<?php
require_once 'includes/header.php';

require_once 'conn.php';

$sql = 'SELECT * FROM BUILD';
$result = mysqli_query($conn, $sql);

?>

<div class="extragap"></div>
<section class="bg-dark text-light">
  <div class="container">
    all our products are certified.
  </div>
</section>

<div class="container align-center card-group">
  <?php

  while ($row = $result->fetch_array(SQLITE3_ASSOC)) {
```

```
   $Buildno = $row['Buildno'];
   $Bimg = $row['Bimg'];
   $Total = $row['Total'];
  ?>
   <div class="card gap-2" style="width: 18rem;">
    <!-- <img src="img/pc.jpg" class="card-img-top" alt="..."> -->
    <?php echo '<img class="card-img-top" width="30%" height="50%" alt="..."
src="' . base64_encode($Bimg) . '">';  ?>

    <div class="card-body">
     <h5 class="card-title">BUILD <?php echo $Buildno ?></h5>
     <p class="card-text"> <span>&#8377;</span> <?php echo $Total ?></p>
     <a href="product_view.php?no=<?php echo $Buildno; ?>" class="btn btn-
primary">view</a>
    </div>
   </div>
  <?php } ?>
</div>
<?php require_once 'includes/footer.php'; ?>

<?php
require_once 'includes/header.php';
?>
```

MOTHERBOARD PAGE

```
<?php
$no = $_GET['no'];
require_once 'conn.php';

$sql = "SELECT * FROM MotherBoard WHERE Mno='$no'";
$result = mysqli_query($conn, $sql);

while ($row = $result->fetch_array(SQLITE3_ASSOC)) {
  $Mno = $row['Mno'];

  $Mname = $row['Mname'];

  $Price = $row['Mprice'];

  $Description = $row['Description'];

  $Mimg = $row['Mimg'];
```

```
  // echo '<img class="d-block w-100" alt="..."
src="'.base64_encode($img).'"/>';
}
?>
<div class="extragap"></div>
<section class="bg-dark text-light">
  <div class="container">
    all our products are certified.
  </div>
</section>

<div class="container">
  <div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="carousel">
    <div class="carousel-indicators">
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-
to="0" class="active" aria-current="true" aria-label="Slide 1"></button>
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-
to="1" aria-label="Slide 2"></button>
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-
to="2" aria-label="Slide 3"></button>
    </div>
    <div class="carousel-inner">
      <div class="carousel-item active">
        <!-- <img src="img/mb1.png" class="d-block w-100" alt="..."> -->
        <?php echo '<img class="d-block w-100" alt="..." src="' .
base64_encode($Mimg) . '">';  ?>
      </div>
      <div class="carousel-item">
        <!-- <img src="img/mb1.png" class="d-block w-100" alt="..."> -->
        <?php echo '<img class="d-block w-100" alt="..." src="' .
base64_encode($Mimg) . '">';  ?>

      </div>
      <div class="carousel-item">
        <!-- <img src="img/mb1.jpg" class="d-block w-100" alt="..."> -->
        <?php echo '<img class="d-block w-100" alt="..." src="' .
base64_encode($Mimg) . '">';  ?>

      </div>
    </div>
    <button class="carousel-control-prev" type="button" data-bs-
target="#carouselExampleIndicators" data-bs-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Previous</span>
    </button>
```

```
   <button class="carousel-control-next" type="button" data-bs-
target="#carouselExampleIndicators" data-bs-slide="next">
     <span class="carousel-control-next-icon" aria-hidden="true"></span>
     <span class="visually-hidden">Next</span>
   </button>
  </div>
</div>


<div class="container">
  <h1><?php echo $Mname; ?></h1>
  <p><?php echo $Description; ?></p>
  <h1><mark> <span>&#8377;</span> <?php echo $Price; ?>/-</mark></h1>
</div>

<?php require_once 'includes/footer.php'; ?>
```

DISPLAY USING SELECT QUERIES

```
<?php
require_once 'includes/header.php';
?>
<style>
.card-img-top {
width: 100%;
height: 15vw;
object-fit: cover;
}
</style>
<?php
$no = $_GET['no'];
require_once 'conn.php';
$sql = "SELECT * FROM BUILD b, CPU c, GPU g, MotherBoard m, RAM r,
STORAGE s WHERE b.Mno=m.Mno and b.Cno=c.Cno and b.Gno=g.Gno and
b.Rno=r.Rno and b.Sno=s.Sno and Buildno='$no'";
$result = mysqli_query($conn, $sql);

while ($row = $result->fetch_array(SQLITE3_ASSOC)) {
$Buildno = $row['Buildno'];
$Mno = $row['Mno'];
$Cno = $row['Cno'];
$Rno = $row['Rno'];
$Sno = $row['Sno'];
$Gno = $row['Gno'];
```

```
$Mimg = $row['Mimg'];
$CPUimg = $row['CPUimg'];
$GPUimg = $row['GPUimg'];
$RAMimg = $row['RAMimg'];
$Simg = $row['Simg'];

$Mname = $row['Mname'];
$Cname = $row['Cname'];
$Gname = $row['Gname'];
$Sname = $row['Sname'];
$Rname = $row['Rname'];

$Mprice = $row['Mprice'];
$Cprice = $row['Cprice'];
$Gprice = $row['Gprice'];
$Rprice = $row['Rprice'];
$Sprice = $row['Sprice'];

$Refervideo = $row['Refervideo'];

$Total = $row['Total'];
}
?>
<div class="extragap"></div>

<div class="card-group">
<div class="card">
<a href="./motherboard.php?no=<?php echo $Mno; ?>">
<!-- <img src="./img/mb1.png" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($Mimg) . '">'; ?>

<div class="card-body">
<h5 class="card-title"><?php echo $Mname; ?></h5>
<p class="card-text">MotherBoard</p>
<p class="card-text"><small class="text-muted">Price:<?php echo $Mprice;
?></small></p>
</div>
</a>
</div>
<div class="card">
<a href="./cpu.php?no=<?php echo $Cno; ?>">
<!-- <img src="./img/cpu1.jpg" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($CPUimg) . '">'; ?>
```

```
<div class="card-body">
<h5 class="card-title"><?php echo $Cname; ?></h5>
<p class="card-text">CPU</p>
<p class="card-text"><small class="text-muted">Price:<?php echo $Cprice;
?></small></p>
</div>
</a>
</div>
<div class="card">
<a href="./ram.php?no=<?php echo $Rno; ?>">
<!-- <img src="./img/ram1.jpg" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($RAMimg) . '">'; ?>
<div class="card-body">
<h5 class="card-title"><?php echo $Rname; ?></h5>
<p class="card-text">RAM</p>
<p class="card-text"><small class="text-muted">Price:<?php echo $Rprice;
?></small></p>
</div>
</a>
</div>

<div class="card">
<a href="./gpu.php?no=<?php echo $Gno; ?>">
<!-- <img src="./img/gpu1.jpeg" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($GPUimg) . '">'; ?>
<div class="card-body">
<h5 class="card-title"><?php echo $Gname; ?></h5>
<p class="card-text">GPU</p>
<p class="card-text"><small class="text-muted">Price:<?php echo $Gprice;
?></small></p>
</div>
</a>
</div>
<div class="card">
<a href="./storage.php?no=<?php echo $Sno; ?>">
<!-- <img src="./img/ssd1.jpg" class="card-img-top" alt="..."> -->
<?php echo '<img class="card-img-top" alt="..." src="' .
base64_encode($Simg) . '">'; ?>
<div class="card-body">
<h5 class="card-title"><?php echo $Sname; ?></h5>
<p class="card-text">STORAGE</p>
<p class="card-text"><small class="text-muted">Price:<?php echo $Sprice;
?></small></p>
```

```
</div>
</a>
</div>
</div>
<div class="container">
<div class="embed-responsive embed-responsive-21by9">
<iframe width="560" height="315" src="<?php echo $Refervideo ?>" title="YouTube
video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write;
encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>
</div>
</div>
<?php require_once 'includes/footer.php'; ?>
```

UPDATE QUERIES

```
UPDATE BUILD B,  CPU C, GPU G, MOTHERBOARD M, RAM R, STORAGE S
SET B.TOTAL=(MPRICE + CPRICE+ GPRICE+ RPRICE+ SPRICE)
WHERE B.CNO=C.CNO AND B.MNO=M.MNO AND B.RNO=R.RNO AND
B.GNO=G.GNO AND B.SNO=S.SNO;
```

CHAPTER 5

INTERPRETATION OF RESULT

Results:

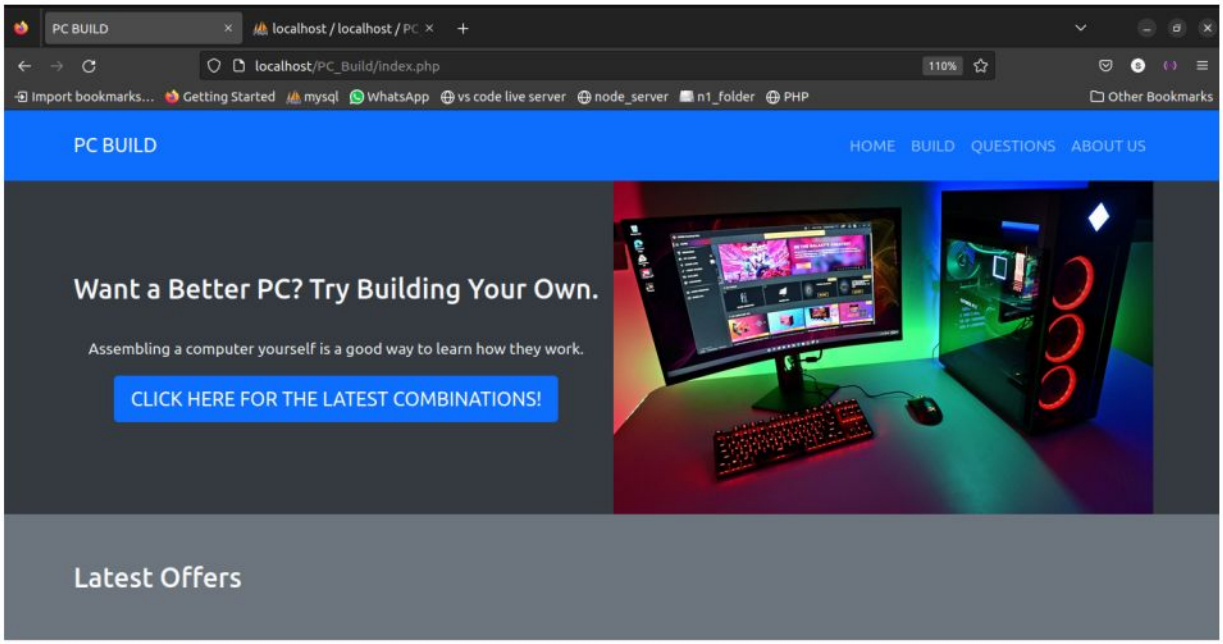

FIG 5.1 HOME PAGE.

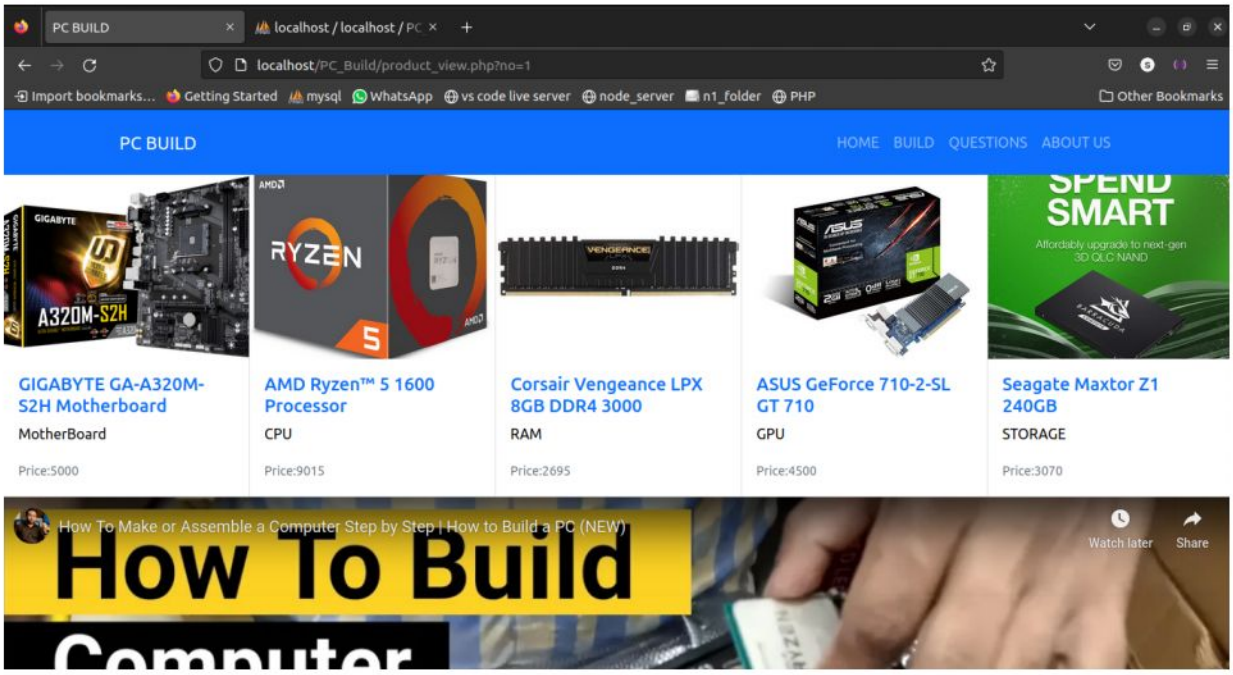

FIG 5.2 BUILD PAGE.

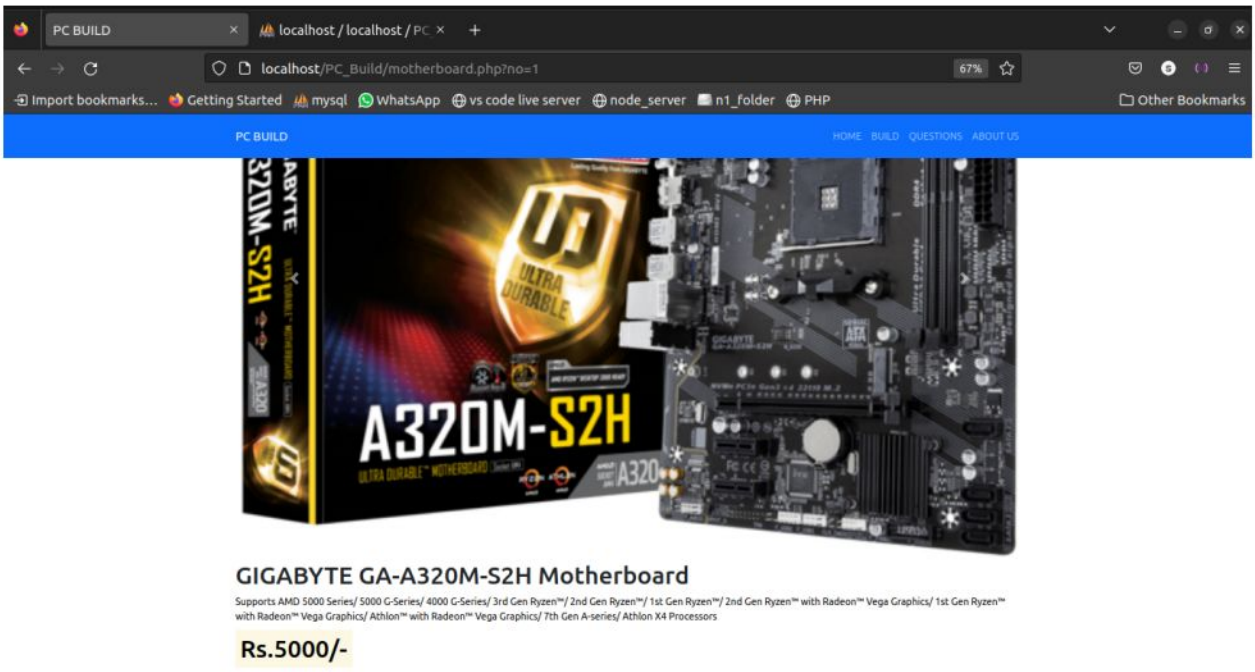

FIG 5.3 PRODUCT DETAILS PAGE.

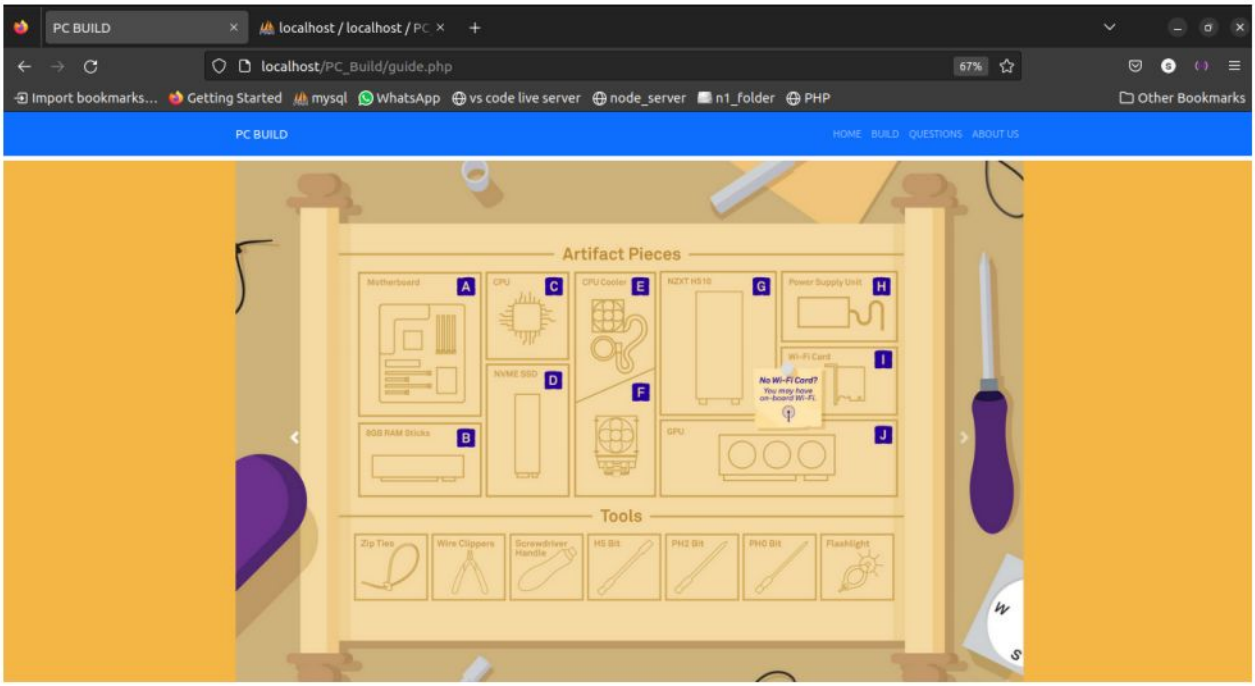

FIG 5.4 USER GUIDE PAGE.

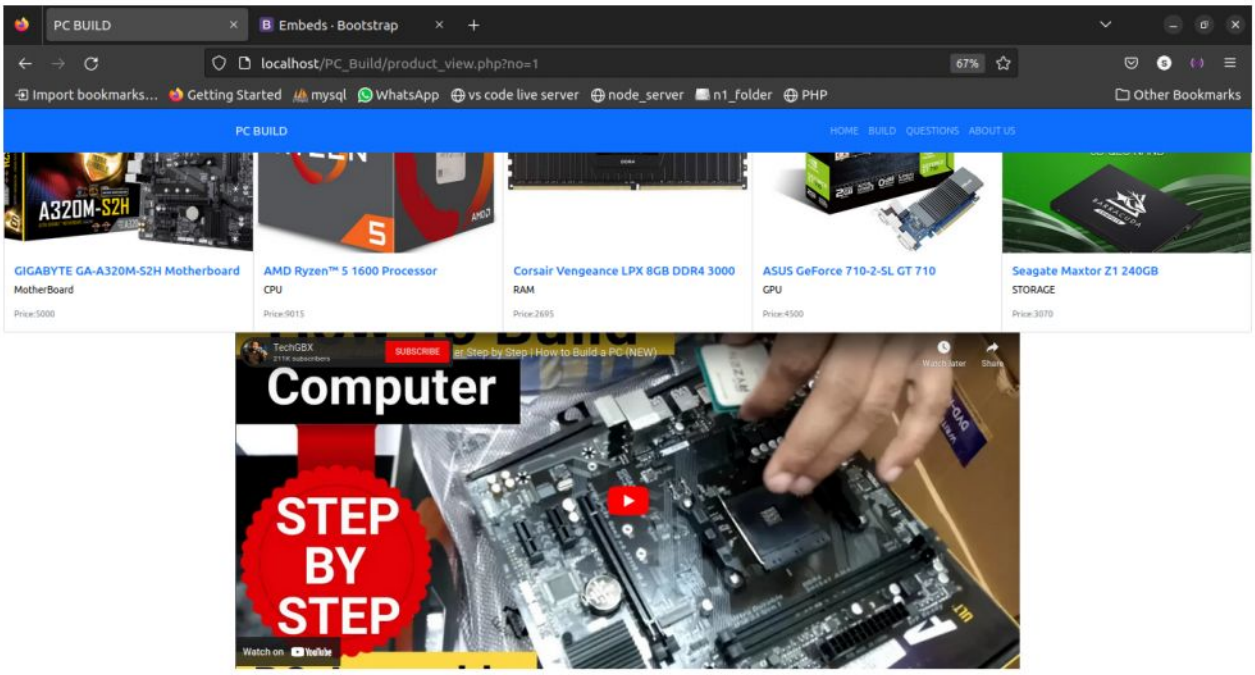

FIG 5.5 BUILD REFERANCE VIDEO PAGE.

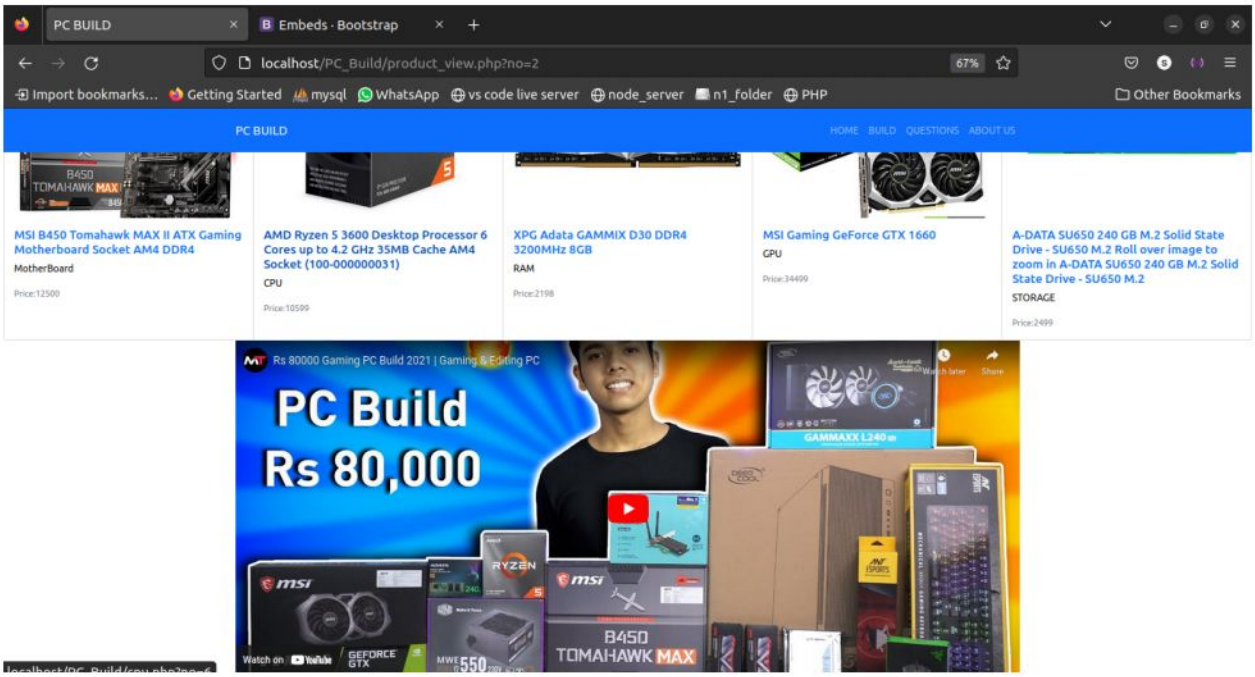

FIG 5.6 BUILD REFERANCE VIDEO PAGE2 .

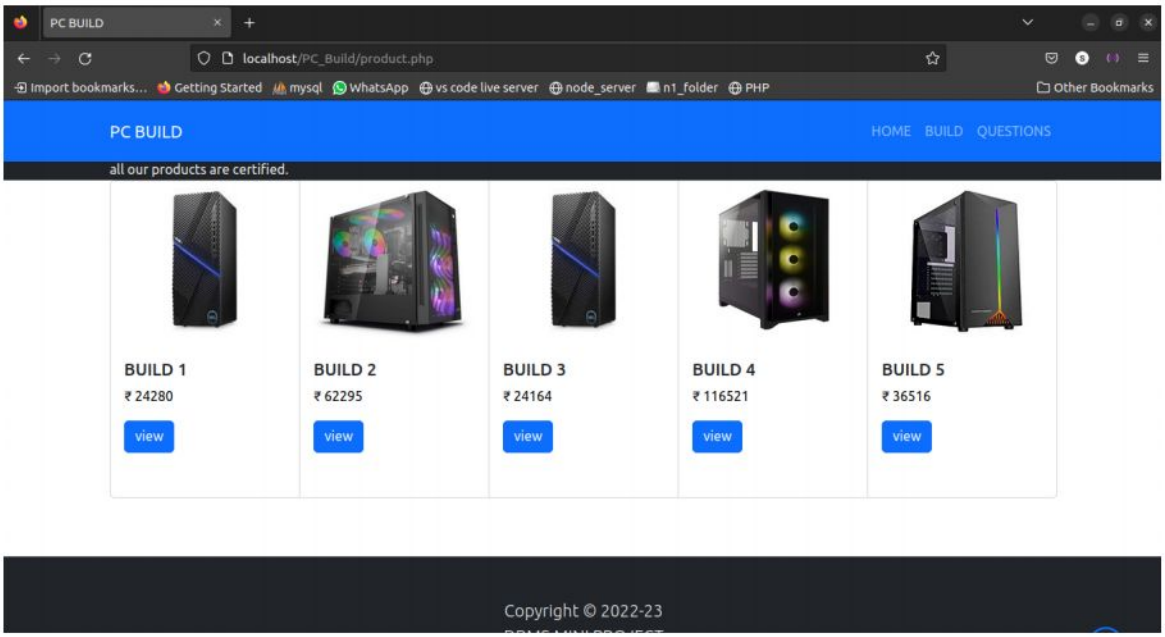

FIG 5.7 ALL PRODUCTS PAGE .

FIG 5.8 RAM PAGE .

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

CONCLUSION

Our conclusion to whether building a PC is easy or not is a mixed opinion. I do believe that it is hard to build a PC because a lot of research have said that people should look up books or documents on the web to help them build a computer. Our Project helps them reduce all the effort and time to Build a PC. Our project is the answer for people who want to build a computer with ease otherwise if not, you'll find it hard.

FUTURE ENHANCEMENT

Currently, our project only explains about how to build a desktop PC. Our future goal is to make people able to build laptop PC’s with less effort and price.

REFERENCES

TEXTBOOKS

(1) Fundamentals of Database Systems, Ramez Elmasri and Shamkant B. Navathe, 7th Edition, 2017, Pearson

(2) Practical PHP 7, MySQL 8, and MariaDB Website Databases_ A Simplified Approach to Developing Database-Driven Websites

LINKS

(1) mariadb.com

(2) www.php.net

(3) www.w3schools.com

(4) www.stackoverflow.com