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Department of Computer Science and Engineering
B.E. CSE Program Accredited by NBA, New Delhi from 1-7-2018 to 30-6-2021

Report on Mini Project

Namma Barkur

Course Code : 18CSE41
Course Name : Web Programming

Semester: V SEM   **Section:** C

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ABSTRACT

The purpose of Namma Barkur portal is is dedicated to celebrate its history, heritage, arts, culture, food, landmarks and icons. This website includes the compatibleness for both kind of people who are new to this village or reside in this village.

For Outsiders:
We want to explore all facets of Barkur. We want to focus on our landmarks and the stories behind them. We want to be more than a social media group with random photos from various sources about the bygone age. We want to share well researched, crisply documented stories about the city, invite views from subject matter experts and non-experts.

For Localites:
We provide finest services to people who reside in Barkur. This initiative is a step towards the digitalization of India, where even the faciities in the villages are done digitally. The people can order a services through their mobile phones or laptops and receive it at their doorstep. Even the transactions can be made online via card or UPI. Currently, a online grocery store and cocunut plucking service is available in this portal. We look to ease the living of our villagers by including more and more services.

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INTRODUCTION

The objective of Namma Barkur portal is satisfy all possible service that can be provided to people who are either outsiders or localites.

Namma Barkur gives a good insight into the temples, beaches and all other attractive places in and around Barkur.

Namma Barkur provides finest services to people who reside in Barkur. They can enjoy all the services at their door-step from their mobile devices.

Even the transactions can be made online via card or UPI. Currently, a online grocery store and coconut plucking service is available in this portal.

Our aim is to digitalize the works in villages hence supporting the digital India program. This might many developers to build online services portal reachable to every rural part of India.

PROBLEM STATEMENT

Due to the fast growing technology and increasing in the modern era people prefer to do things more efficiently in less time, as a result this portal provides facilities online.

LITERATURE REVIEW

➤ **Comprehensiveness**

Complete institutional coverage with respect to organization and functions as provided at the closest possible point of knowledge.

➤ **Currentness**

Accuracy of static information enhanced by the currentness of changing information.

➤ **Client-Orientation**

Responsiveness to requests from the viewing audience by providing e-mail connections.

➤ **Clarity over Coolness**

Simplicity of page design and directness of hyperlink pathways take precedence over visual techniques that clutter or compromise presentation.

➤ **Courtesy over Coolness**

The length of time required for a page to load useful information is reasonable.

➤ **Compatibility without Compromise**

Sensitivity to and support of different browser environments.

➤ **Cross-Linking and Validation**

Multiple access paths to the same information with a method in place to check the validity of site-wide links.

OBJECTIVES

- ✓ The objective Namma Barkur to be give tourists brief info of Barkur village as well as household chores made easy for the localities.
- ✓ The tourist who want to know about this place are given details about history and heritage of the place. In near future, we will include services even for the tourists for their stay and food.
- ✓ The localites have access to a door-step available services which can be ordered via online through any mobile devices.
- ✓ Currently only cash on delivery is available, we are working on the online transaction gateway.
- ✓ We intend to take our time to build the site and build it well.

SOFTWARE REQUIREMENTS

- ❖ Front end: HTML, CSS, Javascript
- ❖ Database: MySQL
- ❖ Back end: PHP

Source code and Database are managed using Visual Studio Code and XAMPP Control panel.

METHODOLOGY

HTML

HTML is a hypertext markup language which is in reality a backbone of any website. Every website can't be structured without the knowledge of html. If we make our web page only with the help of html, than we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as CSS. So here we are using this language to make our web pages more effective as well as efficient. And to make our web pages dynamic we are using Java script.

CSS

CSS Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define text styles, table sizes, and other aspects of Web pages that previously could only be defined in a page's HTML. The basic purpose of CSS is to separate the content of a web document (written in any markup language) from its presentation (that is written using Cascading Style Sheets). There are lots of benefits that one can extract through CSS like improved content accessibility, better flexibility and moreover, CSS gives a level of control over various presentation characteristics of the document. It also helps in reducing the complexity and helps in saving overall presentation time. CSS gives the option of selecting various style schemes and rules according to the requirements and it also allows the same HTML document to be presented in more than one varying style.

JAVA SCRIPT

JavaScript is considered to be one of the most famous scripting languages of all time. JavaScript, by definition, is a Scripting Language of the World Wide Web. The main usage of JavaScript is to add various Web functionalities, Web form validations, browser detections, creation of cookies and so on. JavaScript is one of the most popular scripting languages and that is why it is supported by almost all web browsers available today like Firefox, We used the browser Opera or Internet Explorer. JavaScript is considered to be one of the most powerful scripting languages in use today. It is often used for the development of client-side web development. JavaScript is used to make web pages more interactive and dynamic. JavaScript is a light weight programming language and it is embedded directly into the HTML code. JavaScript, as the name suggests, was influenced by many languages, especially Java.

PHP

PHP is a very powerful server-side scripting language for developing dynamic web applications. Using PHP, one can build interactive and dynamic websites with ease. PHP script can be embedded straight into the heart of html code. PHP is compatible with various web servers like Apache and the Microsoft's IIS as well. All the PHP scripts are executed on the server and it supports various databases like MySQL, Oracle, Solid, Generic ODBC etc; however, it is mostly used with MySQL.

DBMS

Database Management System (DBMS) is a collection of programs that enables users to create and maintain a database. DBMS is a general –purpose software system that facilitates the process of defining, constructing, manipulating, and sharing database among various users and applications. Defining a database involves the specifying the data types, structures, and constraints of the data to be stored in the database. The database definition or descriptive information is also stored in the database in the form of dictionary; it is called Meta data. Manipulating a database includes functions such as querying the database to retrieve specific data, updating the database to reflect in the mini-world, and generating reports from the data. Sharing a database allows a multiple users and programs to access the database simultaneously. A query typically causes some data to be retrieved; a transaction may cause some data to be read and some data to be written into the database.

SQL

SQL stands for Structured Query Language. SQL lets us access and manipulate databases. SQL is an ANSI (American National Standards Institute) standard. SQL can execute queries against a database ,retrieve data from a database, insert records in a database, update records in a database, delete records from a database, create new databases , create new tables in a database, create stored procedures in a database, create views in a database, set permissions on tables, procedures, and views.

IMPLEMENTATION

- **PHP code connecting PHP with MySQL for XAMPP (config.php)**

```php
<?php
  $server="localhost";
  $user="root";
  $password=" ";
  $db="services";
  $con=mysqli_connect($server, $user, $password, $db);
  if(!$con){
    echo "Connection failed";
  }
?>
```

- **Responsive navbar using HTML and CSS**

  This is a simple and fully Responsive Navbar Bar, it is pure CSS based Responsive Navigation Bar where HTML <input type="checkbox"> tag is used to toggle menu bar that means when you click on that three-line bars.
  The checkbox will be checked and the menu bar is shown and when you again click on those bars, the checkbox will be unchecked and that shown menu bar will be hidden. This process is only done by HTML <input type="checkbox"> tag and <label> tag.
  We have used CSS @media property to make this Navigation Menu Bar fully responsive for mobile devices.

- **Modal form for booking using HTML, CSS, and JS**

  Open a Modal
  Use any HTML element to open the modal. However, this is often a button or a link.
  Add the onclick attribute and point to the id of the modal (myModal in our example), using the document.getElementById() method.
  Close a Modal
  To close a modal, add the &times element together with an onclick attribute that points to the id of the modal (myModal). You can also close it by clicking outside of the modal

- **PHP code for storing user registration details in database**

  Registration form in PHP and MySQL with validation. We implement PHP code for registration form with database along with validatation and storing form data into the MySQL database in PHP. This is called server-side validation.
  - Use Database Connection File (include 'config.php';)
  - Create a registration form and insert data into MySQL database

- **PHP code for user login validation from database**

  Login form in PHP and MySQL with validation. Here we fetch the data stored in MySQL database through PHP and validate the login form.
  - Use Database Connection File (include 'config.php';)
  - Create a login form, fetch and validate data from MySQL database

- **PHP code for inserting an item to cart(into database)**

  An item added to cart is stored in MySQL database through PHP.
  - Use Database Connection File (include 'config.php';)

- **PHP code for fetching and displaying cart details(from database)**

  The items added to cart which are stored in MySQL database are fetched the displayed as cart details.
  - Use Database Connection File (include 'config.php';)

- **PHP code to reset cart and checkout cart**

  <u>Reset cart</u> :- Delete items (stored in DB) whose orderid is not set.
  <u>Checkout cart</u> :- Set the orderid for items and then generate invoice.
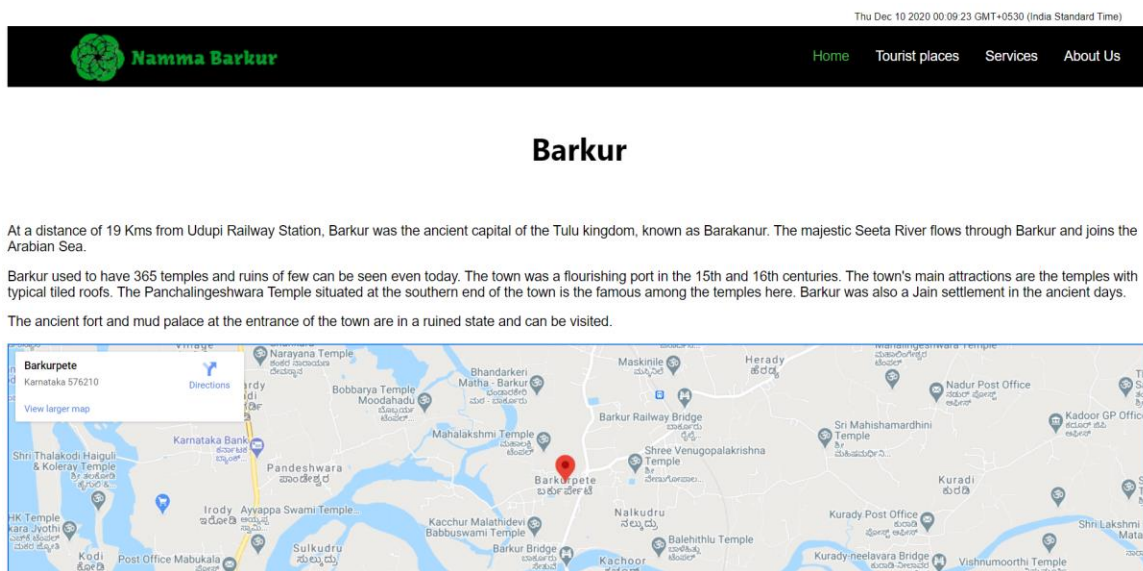 - Use Database Connection File (include 'config.php';)

- **PHP code to generate service reciept**

  Here we fetch the items checked out data stored in MySQL database through PHP and display them.
  - Use Database Connection File (include 'config.php';)
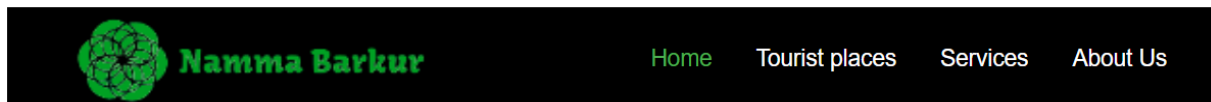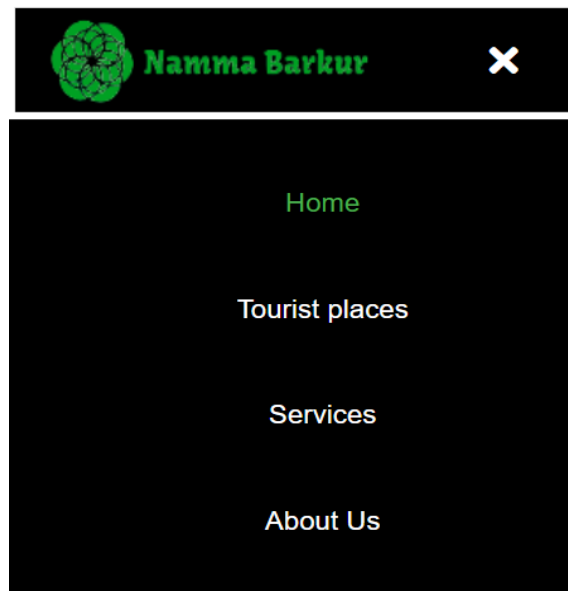 - Create a table to display the attributes that are fetched
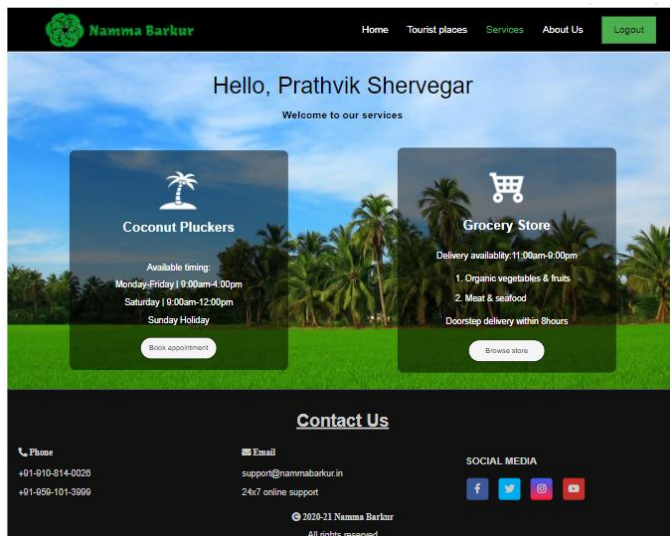
RESULTS

❑ Home page
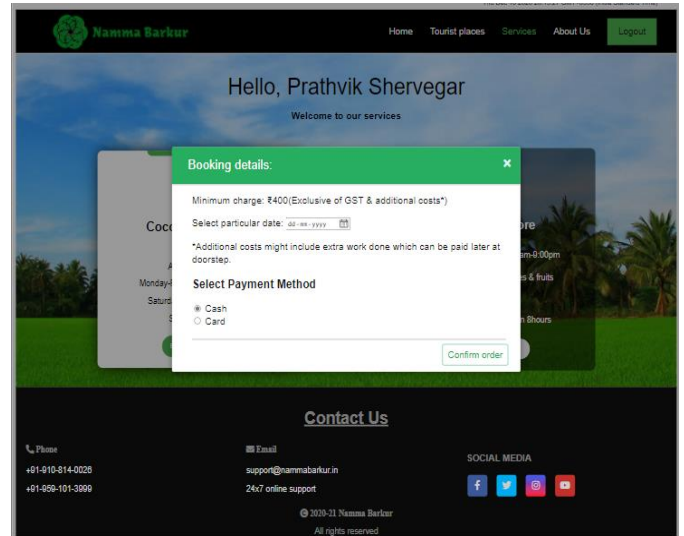

❑ Responsive Navbar

i) Screen width greater than 820px
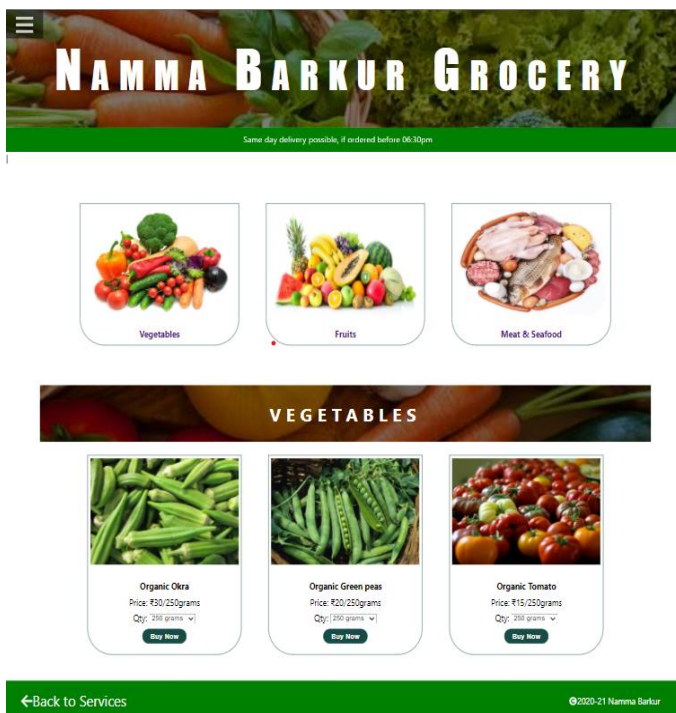

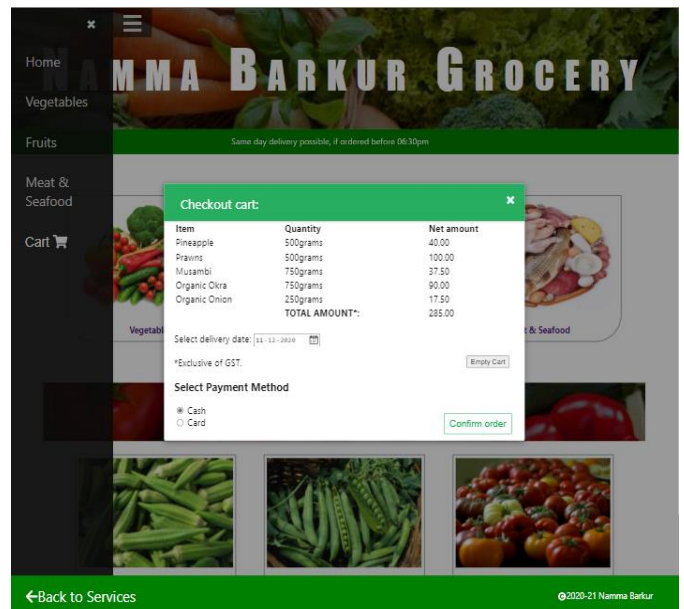ii) Screen width less than or equal to 820px

❑ Service home page

❑ Modal form for booking

❑ Vegetables in grocery store

❑ Grocery cart

WEB HOSTING

Our website in hosted using Infinity Free, a free web hosting platform which has in-built file manager and a control panel.
Domain name:- www.nammabarkur.epizy.com

CONCLUSION AND FUTURE SCOPE

This Namma Barkur portal project will serve as a useful initiative to support digital way of life. The users can enjoy a great experience of online shopping and online bookings even though there reside in a rural area.
We intend to take our time to build the site and build it well. Our goal is to start with English and then follow it up with a Kannada version as well.

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