Documentation for Travel Site

Team Members

Date

2021/09/15

Contents

[1. Introduction 1](#_Toc82682259)

[2. Feature of the page 2](#_Toc82682260)

[2.1 Travel Post 2](#_Toc82682261)

[2.2 User Login & Sign Up 2](#_Toc82682262)

[2.3 Search Location 3](#_Toc82682263)

[2.4 Review and Comment 3](#_Toc82682264)

[2.5 Navigation 3](#_Toc82682265)

[3. Creating Process 4](#_Toc82682266)

[3.1 What do we require? 4](#_Toc82682267)

[3.2 Components used 4](#_Toc82682268)

[3.3 Arguments that led to a decision 5](#_Toc82682269)

[4. Building Process 6](#_Toc82682270)

[5. Implementation and file structure 7](#_Toc82682271)

[5.1 Database Structure 7](#_Toc82682272)

[5.2 PHP code implementation 9](#_Toc82682273)

# Introduction

There is a great deal of thinking process that goes into the creation of any program that has teams of people working on it for days. A lot of hard work and effort has gone in this project. Working in a team is a very hard job. Project/Work management is a must in teamwork. In order to give us a better understanding of teamwork we were given a task of developing a web-based information system under unit DWIN309.

It was, without a doubt, an intriguing job that gave us a taste of what it's like to work on design. We were involved in markup language, CSS (Cascading Style Sheet), JavaScript, PHP, and SQL database for this work. Bootstrap was used to create the page's look. The primary aim of utilizing bootstrap is to make the page responsive, and it has also been specified as a prerequisite in the course work.

It was definitely a steep learning curve for our group. The project was quite difficult. While developing the page, our team encountered a number of issues. Despite this, our team was able to complete the job on time because to their hard work and devotion. The documentation provides a quick summary of the whole process that our team went through, as well as an explanation of each component of the software. We attempted to provide a correct map for each part of the project.

Finally, in the end out team would like to thank our professor and KENT institute for providing us with this opportunity and also for helping us build the team spirt that we have now. This coursework has given our team an opportunity to do real work and we have tried our hardest to make the project perfect.

# Feature of the page

The web page is a web-based information system where various trip posts and photographs have been uploaded by various people. One of the most intriguing features is the ability for users to provide feedback and opinions on the article. Every data that the user posts is kept in the database, which allows the web page to display various old data. A search function has also been added so that the user may easily find the article. Users may also set up their own personal account and save their favorite destinations.

## Travel Post

The site provides users with a variety of posts that have been submitted by other users. The post includes a description of the location as well as a photograph of the post. A variety of linked posts are also shown across the page, making it more interesting. Every page has reviews that will assist users in making an informed decision about the location. A travel post is made up of a photograph of a location and some text about it. The name of the post's author is also given in the post.

## User Login & Sign Up

It is critical for users to have their own personal area. A user can create his or her own account using this functionality. The benefit of creating an account is that the user may mark any post as a favorite and save it to a different page. This improves the page's efficiency and user friendliness. After creating a user account, all user details will be saved in the database.

## Search Location

One of the most important aspect for a page to be good is that it should be efficient and user friendly. This web page also has a feature that can help user search for post using the name of country and also can find the post using the post title. One of the most important aspect of the search is that the search bar can be assessed from any page. The search bar has been implemented in the navigation bar which is fixed in every page.

## Review and Comment

Many people have different views and opinion about different things. Some may like something that some may not like. As talking about different travel location people may also have different taste. So, for that purpose a review and comment system has also been added in the page. People can give rating ranging from 1-5 and also can comment under the post.

## Navigation

Navigation is the head of this page. The main objective of the navigation bar is to navigation to different other pages. Every link to other pages such as about us, favorites and search bar is implemented in the navigation bar. Navigation is the key part of this web page without it we cannot navigate into other pages. There is also a options to browse post and browse images which comes which will come in handy for the user.

# Creating Process

A dynamic database-driven website was required as part of the curriculum. We believe that this website should be able to display dynamic material on a webpage while also allowing users to engage. After considerable investigation, we came to the following conclusion.

## 3.1 What do we require?

1. A web server is required to host the website and do the computations required to portray the generated data based on user input.
2. A way of storing all the data which the website uses to output the result.
3. A server-side language that processes data at the user's request.
4. Query languages for retrieving, altering, and adding to the stored data in our database.
5. An interface to represent the output of the scripting language in html form.

## 3.2 Components used

1. Our relational database management system is MYSQL, and our query language is SQL.
2. PHP as the server-side scripting language, with Apache as the server supporting PHP code processing.

## 3.3 Arguments that led to a decision

1. PHP allows for excellent connectivity with the MYSQL database.
2. MYSQL was chosen because it is a platform agnostic program that works well with PHP.
3. PHP is also open-source software with numerous built-in features to help with typical practical situations.

# Building Process

The following is the procedure we used to plan our growth.

1. Going through every documentation provide and assigning reading assignments to persons
2. Reading up on new technology to be used
3. Choosing which technology to employ and allocating work among group members
4. Independent component work on an individual basis
5. By embedding core code into a normal html template, you may build linkages between all static and dynamic pages.
6. Putting everything together as a webpage.

# Implementation and file structure

## Database Structure

1. geocities

This table store all the countries ISO code, Latitude, Longitude, Feature Code, Population, Elevation and Time zone of all the countries.

1. geocontinents

This table stores the continent code, continents name and geo id.

1. geocountries

This table is responsible to store country’s name, capital, area, population, continent

currency and every major aspect of a country.

1. travelimages

This table’s sole purpose is to store images of the location.

1. travelimagedetails

This table stores every data related to the post such as the title, description, location of the place in the image and city code.

1. travelimagelocations

This table stores the location name with the image id

1. travelimagerating

This table stores the image rating ranging from 1 to 5.

1. travelpost

This table travelpost stores the title of the post given by the owner of the post including with the message and post time.

1. travelpostimages

This table stores the post id of the post. With the help of this post id we can select the images from the database.

1. traveluser

This table stores the user accounts made through this page. Email and encrypted password are stored in this table.

1. traveluserdetails

This table stores the first name, last name, address, city, region, country, postal, phone and the email address of the user.

1. userfav

This table store all the post that are marked favorite by the user.

## PHP code implementation

1. admin/index.php

This is the main page of the webpage. Admin can access the page after login.

1. country.php

The purpose of this file is to show all the country with their maps and other related information.

1. single.php

This file shows all the post information in a single page.

1. search.php

Searching post with the help of country name, post name is done by this file.

1. imagesingle.php

This file is functioned show that it shows every single travel image in the page.

1. favourite.php

Adding any post to the favorite is done by this file.

1. browsepost.php

User can browse post as this file shows all the post in the webpage

1. browseimage.php

User can browse images as this file shows all the images in the webpage

1. login.php

User can login to their respective home page with the help of this file

1. signup.php

User can create their own account with the help of this file

1. logout.php

This file simply clears the session so the user may be directed to the login page.

1. header.php

This file consists of the components in the header which is navigation bar. All

1. footer.php

This file contains every element in the footer.

1. forgetpassword.php

Forgot password feature helps to recover an account if the user forgets his/her password.

1. config.php

Config file creates a connection with the database.

# Problems faced

Out team face a lot of problems during the building process of this webpage. Some of the problems are listed below.

1. Review system

One of the most difficult aspects of this project was the review and comment system. A number of these considerations have to be made for this system. All of the reviews and comments have to be saved in the database. In addition, the user cannot leave two reviews for the same topic. We also had to determine whether or not the user was logged in. If the user is logged in, he or she can provide a review to the post; otherwise, he or she cannot.

1. Search system

It was also tough to create a search system. To begin, we needed to link several tables in the database in order to access all of the information via search. Many issues arose when integrating search, and we also had difficulties in placing the search bar in the navigation bar.