“PROJECT TITLE”

A Project report submitted

In the partial fulfillment the award of degree of

BACHELOR OF TECHNOLOGY

IN

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "ADVANCED INTELLIGENT TOURIST GUIDE" is a fulfillment of project work done by ARE DHANUSH (Reg.No.211801390016), VEMANA HARSHITH (Reg.No.211801390035), KOTYADA MANOHAR(211801390034), YALLANARAYANA RAO (211801340009), YERIPALLI AYYAPPA(Reg.No.211801340018) for the award the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, during the academic year 2022-2023.

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ACKNOWLEDGEMENT

It is with at most pleasure and excitement we submit our project partial fulfillment of the requirement for the award of Bachelor of Technology.

The project is a result to the cumulate efforts, support, guidance, encouragement and inspiration from many of those for whom we have to give our truthful honor and express gratitude through bringing out this project at the outset as per our knowledge.

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DECLARATION

I hereby declare that the project entitled **"PROJECT TITLE"** submitted to the fulfillment of award the degree of **B.TECH (CSE)** in **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**, **ANDHRA PRADESH.**

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1. Introduction

1.1 Purpose

The purpose of the Advanced Tourism website is to provide a better platform to the tourists across the globe. The website should include features such as tourism booking, virtual display of places,information of tourist places and famous monuments across the globe. The website should also provide a user-friendly interface for tourists and instructors to access and manage their accounts. The ultimate goal of the website is to provide a quality information about tourism places and ticket booking is made accessed easy.

1.2 Scope

This software system will be an advanced tourist website for users. It provides the communication between website and users. More specially to design and develop a easy interface between them. It helps to find their local and as per their required places. It is most required for the those who are want to find their trip intelligently and efficiently. It also helps to them who want their trip effortless.

1.3 Definitions, Acronyms and Abbreviations

1.3.1 Tourism website

Tourism website means it a software meant to help different type of people to find their desire places which are available in the website . It helps in guiding the people.

1.3.2 Administrator

Course administrator is a user who can control the entire website. He can modify the website or change the movements of the website .

1.3.3 User

An user means who want to access information on tourism website. He can only access information and book tickets but cannot save changes to the website

1.3.4 Portal

An portal is the main page in the website. Here we can see and access the information and book tickets.

1.4 References

1. Tripadvisor.com
2. Gettyourguide.com
3. Chat Gpt for queries

1.5 Overview

This is a working document and, as such, is subject to change. In its initial form, it is incomplete by definition, and will require continuing refinement. Requirements may bemodified and additional requirements may be added as development progresses and the system description becomes more refined. This information will serve as a framework for the current definition and future evolution of the Advanced tourism website .

2. Overall Description

2.1 Product Perspective

My advanced tourism website meet to provide a interface for those who want to make trip easier and effortless.

2.1.1 System Interface

. The user inputs data via the web server using HTMLforms. The actual program that will perform the operations is written in HTML and CSS

2.1.2 User interface

The new system shall provide a very intuitive and simple interface to the users, so that the user can easily navigate through the website

2.1.3 Hardware Interface

a) Server side

The web application will be hosted on a web server which is listening on the webstandard port, port 80.

b) Client side

Monitor screen – the software shall display information to the user via the monitorscreen

Mouse – the software shall interact with the movement of the mouse and the mouse buttons. The mouse shall activate areas for data input, command buttons and selectoptions from menus.

Keyboard – the software shall interact with the keystrokes of the keyboard. Thekeyboard will input data into the active area of the data.

2.1.4 Software Interface

a) Server side
   An web server will accept all requests from the client and forward it accordingly. A database will be hosted centrally using MySQL.
b) Client side
   An OS which is capable of running a modern web browser which supportsJavaScript and HTML5.

2.1.5 Communication Interfaces

The HTTP or HTTPS protocol(s) will be used to facilitate communication between theclient and server.

2.1.6 Memory Constraints

Memory constraints will come into play when the size of MySQL grows to aconsiderable size.

2.1.7 Operations

The product shall have operations to protect the database from being corrupted oraccidentally altered during a system failure.

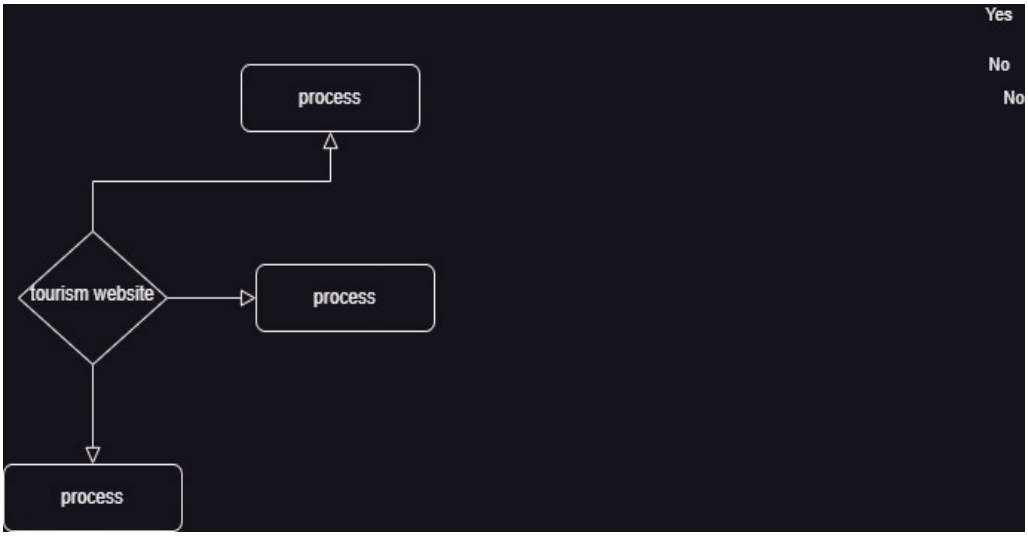
2.1.8 Site Adaption Requirements

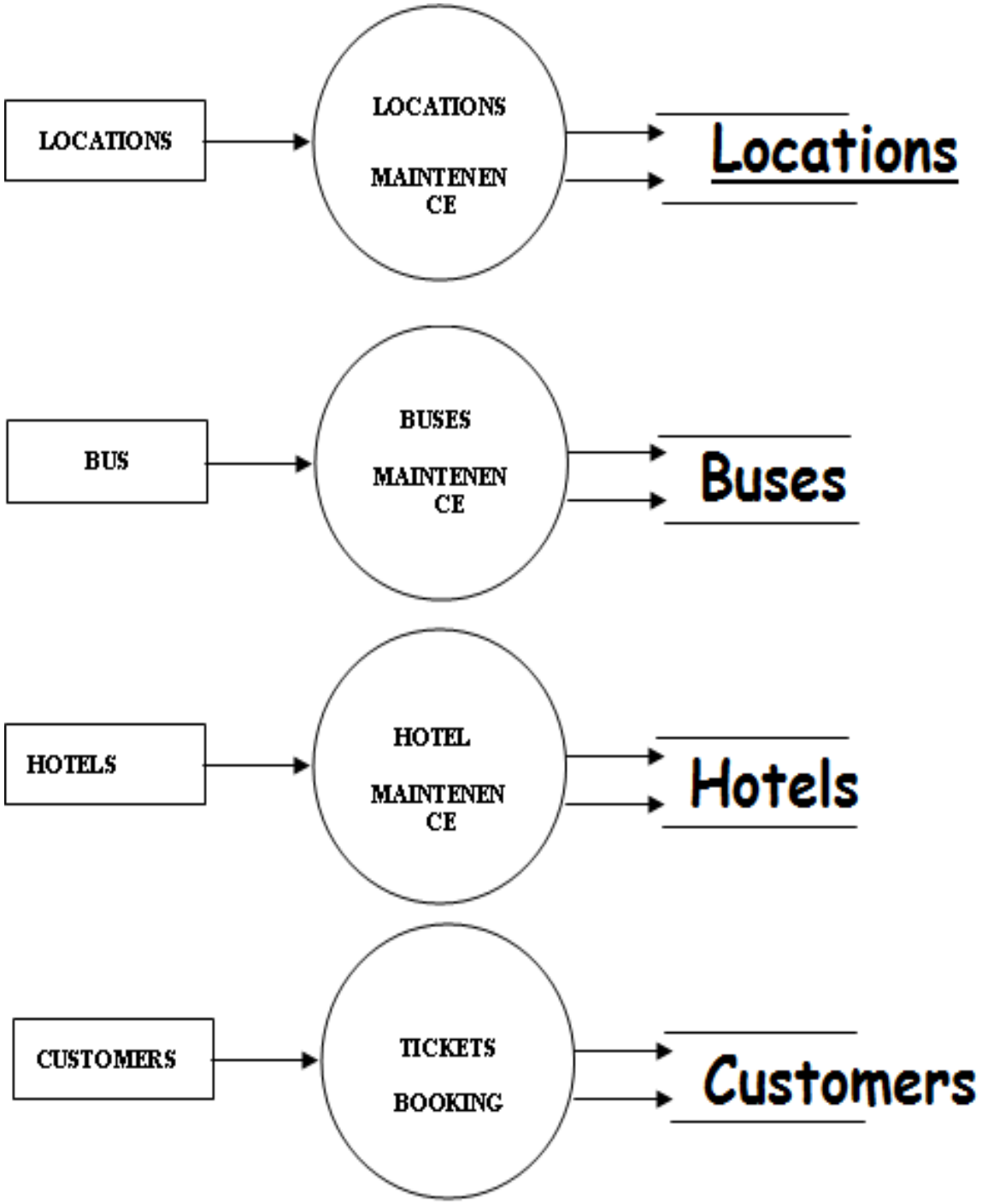
Not applicable

2.2 Product functions

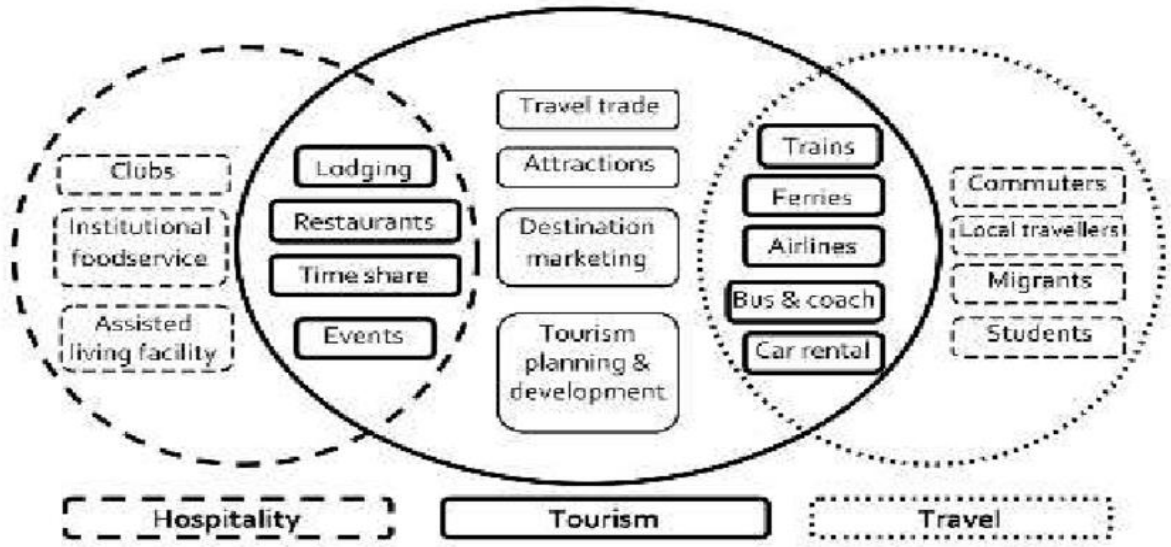
2.2.1 Context Diagram

Context Diagram



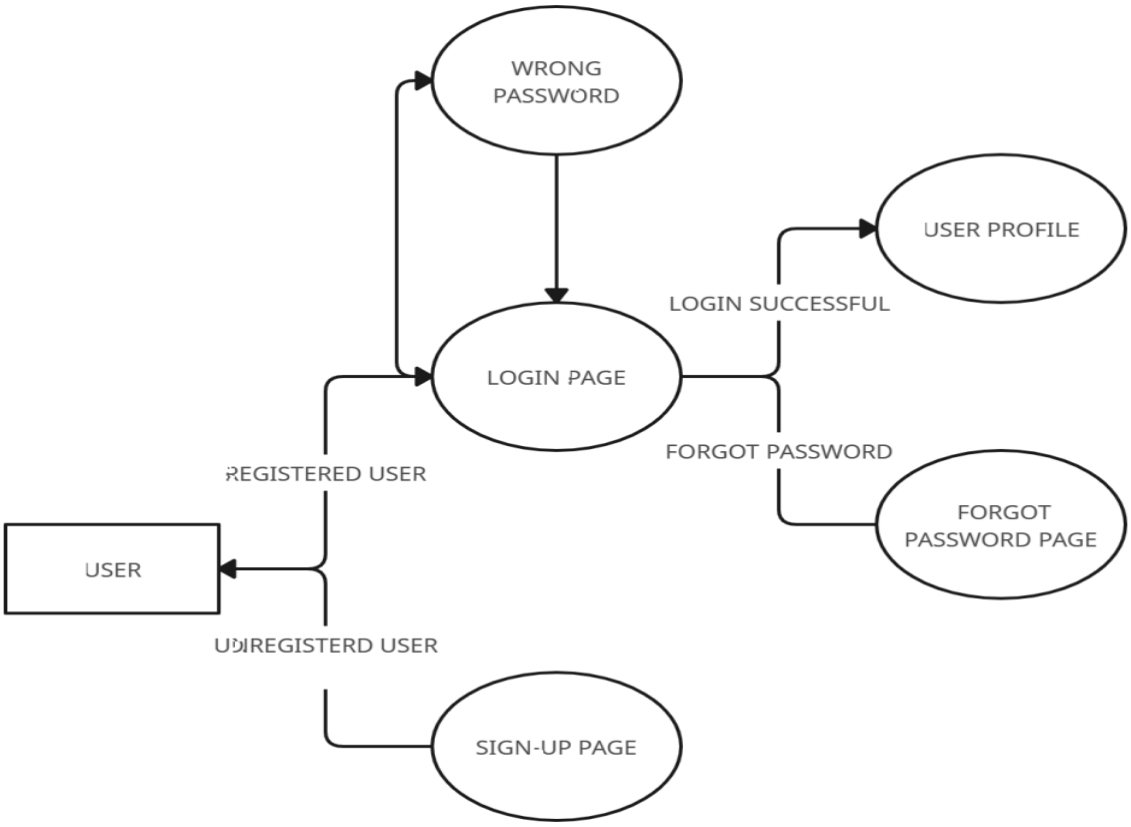


CONTEXT DIAGRAM OF TOURISM WEBSITE



User Case Diagrams

2.2.2.1 User Login



2.3 User Characteristics

2.3.1 Users

Users are the primary consumers of an tourist portal. They access information posted by administration, book tickets and read blogs and many more

2.3.2 Bloggers

Blog is an important part in a website development. The information provided by blogs are useful to the users to select their designed places and bloggers are the most important part to provide that.

2.3.3 System Administrators

System administrator will

2.4 Constraints

2.4.1 User Interface Constraints

Using this system is fairly simple and intuitive. A user familiar with basic browser navigation skills should be able to understand all functionality provided by the system.

2.4.2 Hardware Constraints

The system should work on most home desktop and laptop computers which supportJavaScript and HTML5.

2.4.3 Software Constraints

The system will be intended to run on Firefox 4 and above, Google Chrome 10 andabove and Internet Explorer 8 and above.

2.4.4 Data Management Constraints

System shall be able to interface with other components according to theirspecifications.

2.4.5 Operational Constraints

The system is limited by its operating server in terms of the maximum number of usersit can support at a given time.

2.4.6 Site Adaptation Constraints

The component will be adapted to the overarching system at the conclusion of thesystem creation.

2.4.7 Design Standards Compliance

The system shall be implemented in HTML/CSS.

2.5 Assumptions and dependencies

Most of the training portals have a lot of redundant features which are rarely used inan academic sessions. Our new system focuses on the features which are most important to the users of an training institute along with introduction of some new features which other portals lacks.

1. Specific Requirements

1.1 External interface

1.1.1 Web Server

- Apache will be used as web server:
- The user inputs data via the web server using HTML forms
- The web server executes the HTML as a module and HTML script retrieves the postdata if available.
- The web server receives information back from the HTML script.
- The web server displays a HTML page as result to the end-user.

1.1.2 HTML Application

The actual program that will perform the operations is written in HTML. All data will bestored in a database.

1.1.3 MySQL Database

It's an open source SQL database to store all data which communicates with theapplication on the server.

1.2 Functional Requirements

1.2.1 Use Case Scenario

3.2.1.1 Use Case Scenario 1 – User Login

User Login

Purpose	User logs in to system using existing profile.
User	A user with an existing profile.
Input Data	Profile username and password.
Output Data	Corresponding page data.
Invariants	Profile table data and user information.
Pre-conditions	User is not logged in to a profile, input profile exists in data base, user password matches profile
Post-conditions	User's computer has been supplied with appropriate cookie, page data is appropriate for selected profile
Basic Flow:	Webpage looks up profile data and returns the matching cookie. Webpage is updated to match new user data.
Alternative Flow(s):	Invalid password, invalid username, or mismatched username and password redirect to error message and previous page.
Business Rules:	This allows users to log in to their profile from anywhere.

3.2.1.1 Use Case Scenario 2 – User checking for trainer

A user logs into the system and he will search for the tourism package
and time du

User checking for trainer

Purpose	A user will search for the tourism package
User	A legitimate user logged into the system
Input Data	He will enter the location details

Output Data	If there is any tourist places are available it display the places details.
Invariants	The location details.
Pre-conditions	User is Logged in; file exists on user's computer.
Post-conditions	The system will check for the tourist places in that location.
Basic Flow:	The user login into their account .He will enter the location details and click on the search button. The system will check for the tourist place regarding to user requested location. If any places are available it display the place information.

Use Case Scenario 3 – Admin works

A admin will accept or reject the user requests.

Admin works

Purpose	A admin will accept or reject the user requests
User	Admin that website.
Input Data	Admin login credentials.
Output Data	Accepts and rejects of user requests
Invariants	Permissions.
Pre-conditions	User is logged in and the file must be shared with him or with the group which he is a member of.
Post-conditions	The user has downloaded the file successfully.
Basic Flow:	User logs in, selects the file which he wants to download. The file is then transferred from the server to the user's computer.

Performance Requirements

The system should support at least 150 concurrent users.
This statement provides a general sense of reliability when the system is under load. It is important that a substantial number of users be able to access the system at the sametime, since an academic portal is important to the courses that employ it. The times when the system will be under the most stress are likely during assignment submissions. Therefore, it must be able to handle at least 150 concurrent users.

1.3 Logical database requirements

All data will be saved in the database: user accounts and profiles, discussion data, messages etc. (except files which are stored on the disk.) The database allows concurrent access and will be kept consistent at all times, requiring a good databasedesign.

1.4 Design Constraints

1. The communication between the portal software and the database will be in SQL.
2. The portal layout will be produced with HTML/CSS.
3. The product will be written in PHP.
4. The output must be compatible with W3C XHTML 1.0
5. The source code must follow the coding conventions of PHP.
6. System administrators must have access to comprehensive documentation.

1.5 Software System Attributes

The software consists of the following elements:

1. The web server
2. The HTML/CSS application
3. The MySQL database.

1.5.1 Reliability

The reliability of the overall program depends on the reliability of the separatecomponents.

1.5.2 Availability

The system should be available at all times, meaning the user can access it using a webbrowser, only restricted by the down time of the server on which the system

runs. In case of a of a hardware failure or database corruption, a replacement

page willbe shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved with the MySQL server and saved by the administrator.

1.5.3 Security

1. Passwords will be saved encrypted in the database in order to ensure the user'sprivacy.
2. The user's IP will be logged.
3. The system will be protected against vulnerabilities such as SQL injectionattacks.

1.5.4 Maintainability

MySQL is used for maintaining the database and the Apache server takes care of the site.In case of a failure, a re-initialization of the program is recommended.

1.5.5 Portability

The application is Linux-based and should be compatible with other systems. Apache,PHP and MySQL programs are practically independent of the OS-system which they communicate with. The end-user part is fully portable and any system using any webbrowser should be able to use the features of the application.