COLLEGE BUS PASS MANAGEMENT SYSTEM

Project Description

College Bus Pass Management System is an online web application that allows the students to apply for college bus pass.

The main aim of this project is to provide the students to book their bus pass online from home instead of waiting in long queues in the college. Also this would save a lot of time for both students as well as the college office staffs and also with more efficiently .This Project also solves the problems for students carrying a hard copy of bus pass as they can get a pdf copy of their bus pass only after they successfully filled and submitted the bus application form.

Purpose and Goals

This web application was developed as a mini project for database management system.This mini project helped us in understanding how to integrate the modules into one working application . This mini project alos made us familiar with the issues that occur during the integration of modules in real software projects like following consistent database schema, variable names etc.

As already discussed the aim of the project is to provide students a convienent method to book their college pass and provide them e-buspass instead of carrying a harcopy.

Web Application functionalities

This web application has two modules

* Student Module(Student portal)
* Admin Module(Admin portal)

Student Module

Student portal provides two features - Booking a bus pass and view status of your application like seat number and get your bus pass (in pdf format) .

Admin Module

Admin can get a detailed view of students booking details and can also generate reports in form of pdf or excel sheets for further reference. Also it provides a platform where the admin can make better decisions with help of graphical data like bar graph,piecharts.

Installation

System requirements

# XAMPP web server to host the server on your device and run the web application.

# Web Editors (E.g.: - notepad++, sublime text etc.) for editing the source code.

# A good Internet Connection.

Code Setup

* Copy the folder dbmsminiproject
* Search for htdocs folder which is availabe when you install xampp application.
* Paste the copied dbmsminiproject folder in htdocs folder.

There is also another method to download and get the source code as a backup if in case you loose the files.

# Click on the following link as mentioned below.

# <https://github.com/SAMIT-D-MANVAR/buspass>

# Now click on code button and download the zip file to get the source code.

# Extract the zip files and copy the unzipped files to htdocs folders.

# Running the web application

# After successfully placing the folder in htdocs folder search for file name bus\_booking3.sql file

# Run the xampp application by selecting apache and mysql only as shown in the picture Fig:1

# 

# Fig:1

# In the url type localhost/phpmyadmin. A main dashboard should appear as shown in the figure given below Fig:2

# 

# Fig:2

# Click on the import button and click on choose files as shown in Fig:3.Select the bus\_booking3.sql files and click on open.

# 

# Fig:3

# You are now ready to run the web application.

# To run the application type in the url **localhost/dbmsminiproject/dbms/** as shown in the Fig:4

# 

# Fig:4

# You are now ready to use the web application

# How To book The Bus pass

# Students need to signup inorder to book a college bus seat .

# For signing up you need to give your username,emailid and password.

# After successfully creating the account the student is able to book.

# A student can book his seat only once. If he tries to book another seat even after he has already booked his seat and got his e-buspass it wont allow him to book another seat.

# To book a seat the student need to click on **Book a seat** option in the navbar present at the top.

# He needs to select **book pass option** then fill the details and submit the form.

# After successfully submitting the form the student can check his seat number and download bus pass by clicking on status option.

# 

# Student Portal

# Admin Role

# The admin needs to login first

# Admin can get a tabular view of students booking details .

# Can get a view of different graphs plotted (pie chart,bar charts).

# 

# Admin Portal

# TechStack Used

# HTML5

# CSS3

# JAVASCRIPT

# JQUERY

# PHP

# BOOTSTRAP

# GOOGLECHARTS