Department of Computer Science

Project Proposal, Summer 2022-23

Course:	Web Technologies
Course Teacher:	Md. Al-Amin

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Project Title:	Airplane Management System

Project Description:

This is a participation in a project to build a website which will create a comprehensive management system for an airplane system. The website will have both front and backend components to facilitate efficient management of various aspects of the system. The main roles in the project are the manager, who will have administrative privileges, and the customer, who will interact with the system to access services and make bookings.

The website will include features to manage airplanes, hangars, runways, employees, and passengers. The manager will be able to add, update, and remove airplanes from the system, assign them to specific hangars, and manage their availability. The hangar management functionality will allow the manager to allocate hangar spaces, track occupancy, and schedule maintenance activities. The runway management feature will enable the manager to schedule takeoffs and landings, ensuring efficient utilization of resources.

Employee management will involve maintaining records of staff, their roles, and assigning tasks. The manager can communicate with the employees, assign duties, and monitor their performance. The website will also provide communication channels for admins/managers to collaborate effectively. This may include features like internal messaging, notifications, and shared calendars to ensure smooth coordination among the team members.

Customers will have the ability to create accounts, log in, and access personalized features. They can book tickets for flights, modify their reservations, mark check-in, and view the status of their flights. Additionally, customers will be able to send reports or feedback, make payments for tickets, and access profile settings to manage their personal information.

Apart from the core functionalities, the website will incorporate other necessary components such as a user-friendly login or sign-up system, log out functionality, profile settings, frequently asked questions (FAQs), information about the company (about us), contact information, privacy and policy statements, and a feedback mechanism to receive user suggestions or complaints.