12-B Status from UGC

SYNOPSIS

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AirTracker

Submitted By:

Pankaj Ajmera F- 2115000693

Sudhanshu Tripathi F- 2115001009

Rishit Gupta F- 2115000850

Akshat Maheshwari G- 2115000111

Submitted To:

Mr. Mandeep Singh

Technical Trainer

Computer Science & Engineering

Title of the Project: AirTracker

Objective:

The main objectives of this project are to develop a web application that allows users to:

- Search for the cheapest flights
- Track ticket prices

Scope:

The project will cover the following features:

- **Flight search functionality:** Users can search for flights by specifying their origin, destination, and travel dates. The application will display a list of flights with their corresponding prices.
- **Authentication:** User can register/login via their credentials (Email, Password)

Methodology:

The project will be developed by using the following technologies:

- **Frontend:** React, HTML, Tailwind-CSS, and JavaScript
- **Backend**: Node.js, Firebase, APIs
- **Other tools:** Git, GitHub, and Visual Studio Code

Proposed System:

The AirTracker application will be a web application that will be accessible to users on any device with a web browser. The application will use a variety of APIs to fetch flight data and show best results.

Features:

The following are the key features of the AirTracker application:

- Flight search functionality
- Ticket price tracking

Implementation Plan:

The following is a high-level implementation plan for the AirTracker project:

1. Develop the frontend user interface.
2. Develop User Authentication.
3. Integrate the frontend and backend components.
4. Test the application.
5. Deploy the application.

Team Members:

The following are the team members and their roles:

- Pankaj Ajmera: Frontend development
- Sudhanshu Tripathi: Frontend development
- Rishit Gupta: Frontend development
- Akshat Maheshwari: Frontend development

Resources Required:

The following resources are required for the project:

- Frontend technologies React, HTML, Tailwind-CSS, and JavaScript.
- Backend technologies: Node.js, Firebase, APIs.
- Basic tools: Git, GitHub, and Visual Studio Code.

References:

The following resources will be used as references for the project:

- Online resources: YouTube, Google, Technologies Documentations, etc.
- Other resources: Mentor guidance.

Expected Outcomes:

By the end of the project, the team expects to achieve the following outcomes:

- A working AirTracker web application.
- A comprehensive project reports.

Project Supervisor:

This project is supervised by Mr. Mandeep Singh, Technical Trainer, CSE.

Conclusion:

- The AirTracker project is a web application that will allow users to search for the cheapest flights, track ticket prices. The project is expected to be completed within a month and will be developed by using the following technologies i.e., React, HTML, Tailwind-CSS, JavaScript Node.js, Firebase and APIs.
- The team is confident that they will be able to achieve the project objectives and deliver a working AirTracker web application.