

ABSTRACT

This final project aims to develop an aviation website using the Laravel framework with API integration to enhance online user participation for Alfa5 Aviation. The website is designed to provide users with ease in searching, booking, and managing private jet charter flights.

The development method used in this project is the Waterfall method, which includes the stages of requirements analysis, system design, implementation, testing, deployment and maintenance. Functional and non-functional requirements were identified and implemented using various technologies such as MySQL for the database, PHP and Laravel for the backend, and integration with the Aviapages Flight Time & Route Calculator API.

The result of this project is a functional, secure, and user-friendly website that can enhance the user experience in making flight reservations. The use of APIs allows for the presentation of accurate and real-time flight data, making it easier for users to make decisions.

Keywords: Aviation Website, Laravel, API, Waterfall, Increase Online User Participation