PROJECT OVERVIEW: PROBLEM STATEMENT

2. DEFINE PROBLEM STATEMENT

Current flight booking platforms frequently present a suboptimal user experience, characterized by cluttered interfaces, complex navigation pathways, and an overall lack of intuitive design. Users often encounter significant difficulties in efficiently finding desired flights due to the absence of advanced, intelligent search capabilities, limited filtering options, and slow response times. This deficiency leads to widespread user frustration, prolonged search processes, and the potential for missing out on optimal travel options or deals that are not easily discoverable.

Existing systems often fail to adapt seamlessly across various devices, resulting in poor responsiveness on mobile phones and tablets, which are increasingly used for travel planning. Furthermore, they frequently lack personalization features, making the flight discovery process generic rather than tailored to individual preferences or past behaviors. The inability to support flexible search queries (e.g., "cheapest flights to Europe next month" or "flights without specific dates") forces users into rigid input fields, severely hindering spontaneous or exploratory travel planning.

This project aims to directly address these pervasive issues by building a responsive, intuitive, and highly user-centric application. Leveraging modern web technologies, the core objective is to simplify and significantly accelerate the flight-finding experience, offering intelligent search functionalities that deeply understand user intent, provide flexible search options, and deliver personalized results. The ultimate goal is to transform the often-tedious task of flight booking into a seamless, efficient, and genuinely enjoyable process for all users, enhancing satisfaction and improving travel planning efficiency.