



# 2024 OTA PROPOSAL

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# ABOUT OTA

We have developed an open-source OTA (Online Travel Agency) project designed with a modular architecture. Each module addresses key areas of the travel industry, including flight ticket bookings, hotel reservations, tour or package purchases, and visa services.

One of the main features of this project is its flexibility. We offer the technical documentation and complete source code, allowing travel agencies to fully customize and integrate the system according to their specific needs. This approach empowers agencies to not only utilize the system but also to modify and expand its functionality to suit their operations.

The current landscape of technology providers in the tourism sector often leaves agencies with limited personalization options after entering into service agreements. Additionally, many companies impose significant costs for any post-contractual changes or upgrades. Our solution addresses both of these challenges by offering agencies a highly customizable system at a far more reasonable cost.

Furthermore, privacy is a core concern we aim to resolve. With our system, agencies can retain full control over sensitive customer data, particularly when it comes to payment gateway information, by hosting it on their own servers. This ensures greater security and compliance with privacy standards.



# FLIGHT MODULE

The flight module of this system is designed with flexibility in mind, allowing you to inject the flights you wish to sell on your website using two distinct methods.

The first method involves charter flights, which you can define and manage manually. These flights are displayed based on the user's search criteria, enabling customers to view and purchase them directly on the website.

The second method is ideal for those with external airline ticket suppliers. This can include GDS (Global Distribution Systems) under IATA supervision, such as Amadeus or Galileo, or CRS (Central Reservation Systems). In this case, the website connects to the supplier's API in real-time, facilitating a seamless process from search to booking. The core of the system is designed for easy integration of new flight ticket providers. Once their API documentation is available, you can implement their system with minimal effort by following the guidelines provided in our project documentation. No additional configuration is needed; the supplier is injected smoothly into both the website and the admin panel.

The booking process is simple and user-friendly. After searching for a flight, users select a ticket, enter their details, and proceed to the payment gateway.

Upon successful payment, the booking is automatically confirmed, and a PNR (Passenger Name Record) is generated.

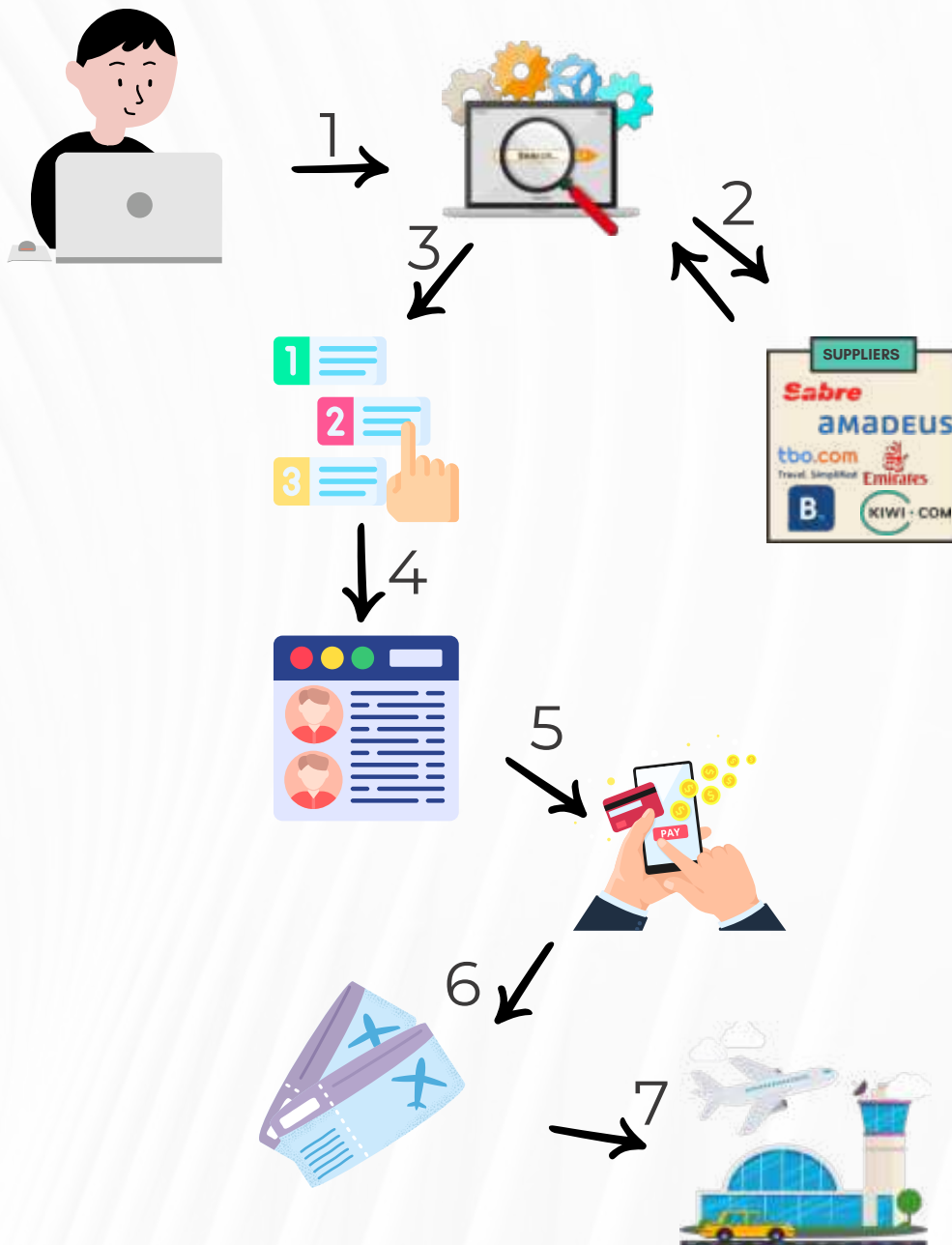
Additionally, a technical report for each search and booking process is saved in either JSON or XML format. This allows the agency's technical support team to track and troubleshoot any issues by easily identifying the source of errors, ensuring reliable performance.



# FLIGHT MODULE

Flight Booking Scenario

How it working ?!





# FLIGHT MODULE

## Introduction to B2B and B2C Ticket Sales

First,

## **B2C** : Normal Customer

We understand that you're wondering how selling tickets through both B2B (Business-to-Business) and B2C (Business-to-Consumer) models is possible within our system. Additionally, you may have questions about adjusting prices and applying markups. Let's clarify how these processes work.

First, it's important to understand the difference between B2B and B2C sales. In a B2C setup, your standard sales model, users can browse and purchase tickets directly from your website. They have the flexibility to either register an account or proceed with a purchase as a guest.

After conducting extensive research, we found that many users prefer to skip the registration process, so our system accommodates both registered and unregistered users.



# FLIGHT MODULE

## Introduction to B2B and B2C Ticket Sales

Then,

### **B2B : Partner - Agencies**

For B2B sales, the scenario changes slightly. You may want to offer specific pricing and ticket options exclusively to particular agencies. This can be managed in two primary ways. First, through the website's management dashboard, you can create B2B user accounts. For each account, you control which ticket providers (already integrated with your system) the agency can access, as well as the percentage of markup applied to each sale. For example, you could offer Agency A a 3% price increase on certain flights, while Agency B receives a 1% markup. This level of customization gives you full control over the pricing structure for different partners.

Additionally, the system supports providing API documentation to B2B users. This allows them to sell your tickets directly on their own platforms, giving you broader distribution. As the ticket provider, you can even integrate with larger flight search engines, like SkyScanner, so that your inventory is listed alongside other providers. This enhances visibility and maximizes the reach of your offerings.

With these flexible B2B and B2C options, our system empowers you to seamlessly manage sales, pricing, and partnerships, ensuring that your ticket distribution is efficient and adaptable to your business model.



# HOTEL RESERVATION

# TOUR BOOKING



# VISA SERVICES

# HOTEL, TOUR RESERVATION

For hotel reservations, you have two primary methods. First, you can manually define and manage hotel rooms or packages, much like charter flights, displaying them according to the user's search criteria. Customers can browse available rooms or packages and book directly through the site. The second method allows for integration with external hotel suppliers, such as OTAs (Online Travel Agencies) or property management systems. By connecting to their APIs, real-time search and booking become possible, streamlining the process from discovery to reservation. Just like the flight module, once the API documentation for these suppliers is provided, their systems can be integrated into the website with ease, requiring minimal configuration.

Similarly, for tour packages, you can define and manage tours manually or integrate with tour suppliers via APIs. Customers can search for available tours, view detailed itineraries, and make bookings directly on your website. The entire process, from searching to payment, follows the same user-friendly steps as the flight booking system.

Technical reports for both hotel and tour bookings are also stored in JSON or XML format, allowing for easy error tracking and troubleshooting, ensuring smooth and reliable operations across all modules.



# IMPORTANT FEATURE



Multi Language



Multi Currency



Multi Payment Gateway



Wallet Balance



Multi Template



B2B API Integration

# TECHNOLOGIES



PHP 8.3



JAVA SCRIPT



MY SQL



VUE JS



MICRO SERVICE



BOOTSTRAP