



Quote for Luxury Hotel Booking portal development : Luxportel.

Miss Shannon

This document targets the general scope of your project-based on our understanding of the requirements provided and discussions to date.

About WebSensor

WebSensor is pleased to submit this response to your request for proposal. As described in the attached Material, we have extensive experience in supporting efforts similar to this and look forward to the engagement. Our expertise covers a myriad of IT services and solutions, to include software development, Mobile Apps Development, websites Development, Digital Marketing, project management, architecture design and implementation, business process reengineering, requirements identification and analysis.

With a capacity of high end development, team of 110+ Astrologers, 80+ Developers, 10+ years of experience and 3+ award winner, WebSensor is one of the top niche companies.

We partner with and sponsor new ventures by providing project management, software development, and advisory services to individuals with innovative solutions that have the potential to introduce cost effective and innovative solutions for our current and future business partners. We invest in ventures that offer products and services that add value to our current clients, as well as, investing in innovative ideas that will shape the technology of the future.



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Project Objective

The goal of this project is to develop a premium hotel booking portal for luxury travelers, with real-time hotel data from global APIs. The platform will serve as a one-stop destination for discovering and booking luxury hotels, resorts, and villas worldwide.

The portal will handle **search, filtering, booking, payments, and API-triggered backend confirmations**, ensuring both elegance and functionality.

2. Website Functional Modules (User Flow)

2.1 Home Page & Brand Experience

- Luxury-themed interface with a visually rich design (white space, HD banners, clean fonts)
- Hero section with search bar (destination, dates, rooms, guests)
- Featured destinations: curated hotel collections (e.g., "Top Picks in Maldives", "Beach Villas in Bali")
- Promotional blocks (discounts, deals, limited-time offers)
- Footer with support, FAQs, About, and Terms & Conditions

2.2 Location Search Experience

- Search box where users can type:
 - Country
 - City
 - Island or landmark
- Auto-suggestions via **Google Places API**
- Manual location entry enabled for custom geographies
- Geo-tagged hotel results from partner APIs (filtered by user query)

2.3 Hotel Listings Page (Search Results)

- Real-time results fetched from hotel booking APIs

- List of matching hotels displayed with:
 - Hotel name, image, star rating, location, starting price, and short intro
 - Real-time room availability badges (API-based)
- Filters and Sort options:
 - Star rating
 - Facilities (pool, spa, breakfast included, etc.)
 - Price range
 - Property type (resort, villa, hotel, boutique stay)
 - Guest rating
 - Distance from center/landmark
- Sorting by: Price (Low to High), Top Rated, Most Booked, New

2.4 Hotel Detail Page

- Full page for selected hotel showing:
 - Hotel photos (image carousel or gallery)
 - Star rating, location (map view), and hotel contact (from API)
 - Description, room types, amenities, room features
 - Availability calendar for selected dates
 - Room prices (daily rate, discounted rate)
 - Cancellation policy, taxes, and additional fees
 - Reviews from source API (if supported)
 - Book Now button tied to selected room

2.5 Booking Workflow

1. User selects room and number of guests
2. Clicks **Book Now**
3. Directed to **Booking Summary Page** showing:
 - Room info, dates, price breakup
 - Guest details form: name, email, phone, special requests
4. Terms & Conditions checkbox

5. Click **Proceed to Payment**

2.6 Payment Gateway Integration

- Integrated payment gateway (Razorpay, Stripe, or PayPal)
- Secure checkout using hosted or embedded form
- Booking locked only after successful payment
- Payment captured by **portal owner**
- After successful payment:
 - Booking details stored in DB
 - API request sent to root hotel API to place booking at **cost price**
 - API response returns a booking reference ID

2.7 Confirmation Page & Email

- User sees confirmation message with booking ID
- Receives an automated **branded HTML email** including:
 - Hotel Name and Address
 - Room type, dates, guest info
 - Total price paid and payment breakdown
 - Cancellation policy (if applicable)
 - Booking ID (portal-generated + API reference)
 - QR code or print option (optional)

2.8 Customer Account (Optional for Registered Users)

- View active/past bookings
- Cancel eligible bookings
- Download invoice
- Wishlist hotels (saved list)
- Update personal info

2.9 Booking for Someone Else

- While booking, user can:
 - Enter guest name separately

- Choose a **manual location** even if not in their current area
- Search and book luxury stays for friends, clients, or family members

GDPR Compliance :

To make the website GDPR-compliant, client will have to add following points in website.:

1. Privacy Policy & Legal Pages

- A **detailed Privacy Policy** explaining how user data is collected, stored, and processed.
- **Terms & Conditions** outlining user rights and obligations.
- A **Cookie Policy** describing how cookies are used on the site.

2. User Consent & Data Control

- **Cookie Consent Banner** allowing users to accept, reject, or customize cookies.
- **Explicit Consent for Data Collection** (e.g., checkboxes in forms, not pre-checked).
- **User Data Control Panel** where users can:
 - View their data.
 - Request data deletion.
 - Request a copy of their data (Data Portability).
 - Withdraw consent for data usage.

3. Data Security Measures

- **Encrypt sensitive data** (SSL/TLS for website security).
- **Secure user authentication** (e.g., hashed passwords).
- **Data breach notification system** to inform users of any data breaches.

4. GDPR-Compliant Data Processing

- Ensure **third-party services** (e.g., **Google Analytics**, **payment gateways**) comply with GDPR.
- Keep **records of user consent** (time, date, and method of consent).

5. Right to be Forgotten & Data Access Requests

- Implement a **"Delete My Data" request** feature.
- Provide a **contact form or email** for data-related requests.

And as developer we will enable that functionality to manage all required pages content and Delete data functions for users.

3. Admin Dashboard – Portal Owner Panel

3.1 Dashboard

- Total bookings (today, this week, all-time)
- Revenue overview
- Top destinations
- Failed bookings or API issues

3.2 Hotel Data Control (View-Only from API)

- List of all fetched hotels and room types
- View pricing, availability, description
- Tag hotels as "Featured", "Trending", "Limited Time Deal"

3.3 Booking Management

- See all user bookings
- Booking status: Pending / Confirmed / Cancelled
- Payment status & amount received
- API confirmation ID and logs
- Download reports (CSV/Excel)

3.4 Commission & Pricing Management

- View API base price
- Add mark-up (%) per destination, category, or hotel
- Real-time pricing calculated dynamically on frontend

3.5 Email/Notification Settings

- Edit branded email templates
- Set up booking alert emails to admin/user
- Configure SMTP, email footer, reply-to, etc.

3.6 Reports & Analytics

- Total bookings by country
- Monthly revenue
- Failed payments or API failure

4. Integrations

Module	API/Service
Hotel Inventory	APIs
Location	Google Places API
Payment Gateway	Razorpay / Stripe / PayPal
Email System	SendGrid / SMTP
Analytics	GA4, Hotjar
Currency Conversion (optional)	OpenExchangeRates API

5. Email & Notification Flow

Event	Email Sent
Booking Successful	User receives full confirmation with booking ID, dates, hotel info
Payment Failed	User is notified, retry payment link
Booking Cancelled	User receives email with status and refund policy

Admin Alerts	Admin gets real-time alerts for each booking
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Reports

The Admin Panel will include an advanced **Reporting & Analytics section** that gives Shannon and her team real-time, filterable access to platform health and financial data. These reports will enable intelligent business decisions, campaign planning, and performance monitoring.

Financial Reports

Report Name	Description
Total Revenue (Date Range)	Shows the gross revenue collected from bookings for any selected time frame (Today, This Week, Last 30 Days, Custom Range).
Total Cost to Portal (Date Range)	API-level cost price for all booked hotels (auto-fetched from API responses or internal booking logs).
Profit & Loss Report (P&L)	Revenue – Cost = Net Profit per booking. Can be filtered by destination, hotel, date, or room type.
Commission/Markup Report	Shows the actual markup applied per booking and revenue earned per city, hotel type, or hotel name.

Booking Analytics

Report Name	Description
Total Bookings (All time / Date Range)	Full count of successful confirmed bookings made through the portal.

Cancelled Bookings	Lists all canceled bookings with reasons (API failed / User cancel / Payment issue).
Upcoming Bookings	Displays all upcoming check-ins organized by date, city, or hotel. Useful for planning support.

Customer Analytics

Report Name	Description
Top Booking Countries	Which countries users are booking for most often. Helps in targeting ads.
Top Cities / Hotels by Booking Volume	Find out which hotels or cities are most frequently booked.

Export & Sharing Options

- Export all reports in **CSV, Excel, PDF**
- Schedule **email reports weekly or monthly**
- Access **visual graphs & trends** on dashboard
- Download invoices per booking (PDF with tax if needed)

Free Maintenance :

Along with the solution we are agreed to offer 3 months of free maintenance where we agree to provide service related to.

- Bug fixing and error resolution in existing mobile applications.
- Performance optimization and security updates.
- Periodic software updates and version upgrades (if applicable).
- Technical support and troubleshooting assistance.
- Backup and data recovery support (if applicable).
- Server monitoring and maintenance (if applicable).

The free support will start from the day the application gets live on the server and gets users involved.

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Technology Specifications:

Backend : Node Js

APIs : Node Js

Frontend : React js / Next js

Database: MongoDB

Server : DigitalOcean

Resources:

To develop the website based on your requirements we will have to engage our following developers.

React Js : 1

Node Js : 1

UI/UX : 1

Devops : 1

Project Manager : 1

Tester : 1

***Note:**

- Time estimation may ramp up or down after getting clarification from clients on important points and queries.
- Time estimation may ramp up if any extra functionality is requested by the client.
- Any additions to or deletions from the deliverables listed on this Agreement will be considered a "Change of Project Scope." Should the scope of this project change after this Agreement's Effective Date, we will draft a Change Order and submit it to the client for approvals.

Milestones:

Advance Payment : 25% of the total project development cost.

Milestone 1 :

- UI Design and modification in figma and getting approved by the client.
- Setting up the project and development environment.

Payment : 25% on milestone 1 completion.

Milestone 2 :

- Implementation of the approved design in the application.
- Setting up the UI in React Js / Next js
- Development modules in flow setup and development in Admin.
- Admin panel with remaining modules.

Payment : 25% on milestone 2 completion.

Milestone 3 :

- Setting up Hotel API
- Integrating Payment Gateway
- Testing Whole System and getting it approved by the client. But before getting live.

Payment : 25% on milestone 3 completion.

Thanks