**Exploria Platform AI Guide**

This document contain the technical requirements of Exploria Travel and Tour that will serve as AI guide in making the platform.  
Exploria Travel and Tours is web-based platform that allow tour operator post their services and allow user make a booking.

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| Project Name | Exploria Travel and Tour |
| Project Theme | #243a2d; |
| Project References | The following are list of existing platform that you can use as reference:   1. <https://www.klook.com> 2. <https://www.asiaodysseytravel.com/> |

**Tech Stack**The following are technologies to be used to develop the Exploria Travel and Tours platform

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| --- | --- |
| **Tech Stack** | **Description** |
| **Laravel** | Laravel will serve as our official back-end scripting language with the following implementation rules:   * We will be using laravel 10 with PHP version 8.2 * Don’t use model, instead use a Query builder directly. * For database table creation don’t create migration file, instead please create a SQLFile format so that I can directly execute the SQL Statement in phpmyadmin. |
| **Bootstrap** | For design, we will use bootstrap version 5.3   * Instead of custom CSS, we will use bootstrap CSS utilities as possible to minimize stylesheet or CSS codes. * If need to create a custom CSS, please try make it reusable as possible |
| **Vue 3** | Use this as official UI development framework   * Use composition API for more adoptive and modern approach. * Use Typescript instead of JavaScript to make code more modern and easy to manage. |
| **Typescript** | For reusable functions or methods for websites or portal |
| **Swiper JS** | Please use swiper js for any sliding feature is requirements. |

**Platform components**

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| --- | --- | --- | --- | --- | --- |
| **Reusable Features** | **Description** | **CLIENT** | **ADMIN** | **OPERATOR** | **STAFF** |
| Authentication (Firebase) | Firebase Authentication API | YES | NO | NO | NO |
| Authentication (Custom) | Custom Authentication | NO | YES | YES | YES |
| Operator Manager | Add, edit, suspend block operator.   * Operator Registration * Operator details editing * Operator services |  | YES | NO | NO |
| Services Manager | Manage services   * Service registration |  | YES | YES | YES |
| Booking Manager | Manage bookings   * Review booking and follow ups * Accept or decline booking |  | YES | YES | YES |
| Booking Calendar | Calendar view of scoped bookings   * Scoped by permission based data fetching |  | YES | YES | YES |

**Projects and specifications**

* **Phase 1**: Client Website
  + Authentication: Using Firebase Authentication API.
  + Service Display: Page for showing services.
  + Operator Display: Page for showing partner operators
  + Booking Procedure: Step by step booking.
* **Phase 2**: Administrator website
  + Authentication: Custom access with permissions for operator, staff, admin.
  + User Manager: Add, edit, suspend or block user.
  + Operator Manager: Add, edit, suspend block operator.
  + Services Manager:
  + Booking Manager:
  + Booking Calendar:
* **Phase 3**: Operator’s Website
  + Authentication: Custom access with permissions for operator, staff, admin.
  + Services Manager:
  + Booking Manager:
* **Phase 4**: Staff Website
  + Authentication: Custom access with permissions for operator, staff, admin.
  + Operator Manager: Add, edit, suspend block operator.
  + Services Manager:
  + Booking Manager: