Booking System

Here's a breakdown of the components and tasks involved, along with some rough time estimates:

Plugin Development Structure and Files:

Setting up the plugin structure, including folders, files, and basic code structure:

-Understanding the API documentation and requirements: 2 hours.

Settings Page:

Creating the settings page UI using HTML and CSS: 4 hours.

Implementing functionality to save API keys and other website-specific information: 3-4 hours.

API Integration:

1. List itineraries for a given category https://darwin11.docs.apiary.io/#reference/0/get-itinerary-search/getitinerarysearch
2. List options for an itinerary https://darwin11.docs.apiary.io/#reference/0/get-itinerary-details/getitinerarydetails
3. Submit data to create a booking https://darwin11.docs.apiary.io/#reference/0/create-booking/createbooking
4. Submit data to create an enquiry <https://darwin11.docs.apiary.io/#reference/0/create-trip-enquiry/createtripenquiry>

Estimations:

List itineraries for a given category:

1. Reviewing the API and testing API calls: 1-2 hours
2. Implementing and integrating the API call: 6-8 hours

List options for an itinerary:

1. Reviewing the API and Implementing: 6-8 hours with design

Submit data to create a booking:

1. Reviewing the API and Implementing: 6-8 hours
2. Designing and developing the form: 10 hours

Submit data to create an enquiry:

1. Reviewing the API and Implementing: 6 hours
2. Integrating the form with API calls: 10 hours

Database Integration:

Designing the database structure and tables: 6 hours.

Implementing scheduled API calls using cron jobs: 6-8 hours.

Shortcodes:

Creating shortcodes to output forms and display itinerary data: 6-8 hours.

Testing and Debugging:

Thoroughly testing the plugin for functionality and compatibility: 8-10 hours.

Documentation and Finalization:

Documenting the plugin, including user instructions and developer notes: 2-4 hours.

Finalizing the plugin, including packaging and preparing for deployment: 2-4 hours.

This will be a full fledged plugin to be used on multiple websites.

For virtual machine:

Please confirm: Is it possible to create this plugin on our local server? That will make plugin development simple and offer a reliable environment for development and testing.

Total Rough Estimate: Around 100 hours

This is the rough estimate and can vary depending on the complexity of the requirements, and any unforeseen challenges that may arise during the development process.