

# House Modify Website and Web API

**PREPARED FOR**

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# 1. Project Overview

The Website and Web API that allows users to choose and modify their future house with ability customizable everything they want by the templates of KH Land Co, Ltd.

Admin users can view sales reports and traces the most popular house models that are interesting by customers and more as shown below

- Users abilities
  - Browse all house models
  - Choose any house models
  - Choose house Location
  - Choose house Level
  - Modify house colors
  - Choose or modify house model
  - Choose or modify furnitures of the house
  - Choose or modify utilities of household
  - Choose or modify house appliances
  - Choose or modify interior design styles
  - Drop an order of their choice
  - Download sample files of their choice images or pdf
  - Ability to save their customized
  - Ability to share their customized to social media
  - Ability to send their customized to internet
- Admin Abilities
  - View admin dashboard to their privileges
  - Add, Edit, Update, Delete houses model
  - Add, Edit, Update, Delete house customizable fields for customers
  - Views Order Reports
  - Export Order Reports to PDF
  - Export Order Reports to Excel
  - Import House model files through the determine of the system format

## 2. Obstacles

As the technology will meet some errors on the way during deploying and deployed. With the software development responsibility we will handle fixing any crash and errors through features of your need with the limite of times we will discuss.

## 3. Technical Obstacles

This web app will integrates with a server side API to allow users input data, interaction with applications and show data for the admin dashboard. So during operation of that Web API and Website will need a third party to make things easy to trace performance of the applications.

## 6. Hardware

- Web API software will be compatible with 1 vCPU, 2G of RAM and 20Gig for storage
- Website will be compatible with all Latest Version Web Browser Software

## 7. Software

- Client Side Website
  - HTML5
  - CSS3
  - Bootstrap 4

- VueJS
- Full Responsive
- **Server Side API**
  - Elixir Programming Language 1.10.3
  - Phoenix Framework 1.5
  - TDD and BDD
  - PostgreSQL
  - Airbrake Elixir
  - Restful API

## 8. Milestones and Reporting

### Website and Web API

Total estimation of duration with in 70 days for Web Application including development, deployment and training

Milestone	Tasks	Reporting	Date
1 - Analysis			
1.1	Analysis and design stage, gather data and create system mockup	None	07/06/2020
1.2	Architecture design	None	
1.3	Design work plan (distribution of tasks to development)	Client meeting to review work plan	
2 - Development			
2.1	Create database	None	30/07/2020
2.2	Import existing client data	None	
2.3	Clean data	None	
2.4	Create GUI	Client meeting to review GUI	
2.5	Setting Server for Web Application	None	
2.6	Deploy Staging Web Application to server	None	
2.5	Integration Between Website and Web API	None	
2.8	Integration With Airbrake		
3 - Testing			
3.1	Testing Website	Email report	20/07/2020
3.2	Testing Web API	None	
3.3	Open Beta (volunteer employees)	Client meeting	
3.4	Finalise documentation	None	
4 - Deployment			

4.2	Setup Deployment Environment	None	01/08/2020
	Deployment to Server	None	
5 - Training			
5.1	Inhouse training	Client meeting	16/08/2020
5.2	AdHoc training	Client meeting	

# Term Of Payment

After the agreement by KH Land Co, Ltd.

term of payment with total price for this project with 6500\$ will pay with four step below

1. Client will have to pay 40% of the price after the decision with the proposal and project will start on **01/06/2020**
2. Client will have to pay 40% of the price when project is half way of production on **20/07/2020**
3. Client will have to pay 20% of the price after sign of approval and training as the project is on production on **16/08/2020**

## Including

- Free maintenance for 6 months counting from when the project is deployed to production.
- Free setup software to Virtual Hosting Service.
- Free Applications Documentation for Developer and User.
- Free Indoor Training and Adhoc Training one week duration.
- Free Setup and deployment fee
- Software source codes and database

## Excluding

- Media files like videos, photos, gif
- Documents, Paragraph
- Hosting services monthly fee
- Third Party Services (message services etc.)
- Files Storages

## Extra

- New features after deployment will be charged by the complexity of the tasks.
- Server side hosting monthly payment 20\$/months

**Signed as accepted by client:**

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Mr. Thon Hengleap

DATE