

Proposal Document on Design and Development of “ Florida Based Real Estate Application ”

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1. About Aayan India

Aayan India is an ISO 27001 certified company headquartered at Lucknow with Development centers across India in Ludhiana, Chandigarh, **Saudi Arabia and Germany** with a team of 250+ in-house professionals. We are a leading **Game App**, Mobile app development, Cyber Security Services, Website Development and Digital Marketing service provider company.

2. Introduction

Purpose of Document

The purpose of the application is to develop a user friendly and comprehensive platform for real estate Industry. The app will enable users to effortlessly search properties aims to revolutionize property discovery and transactions for Florida market by providing a seamless and user-friendly platform. Through intuitive interfaces and robust features, the app streamlines communication between buyers and agents. Agents benefit from efficient tools to manage listings and engage with potential buyers effectively. With a focus on enhancing user experience and driving efficiency, the project seeks to catalyze growth and development in the Florida real estate industry. Overall, the app aims to optimize the entire real estate experience by offering a one-stop solution for property search, documentation.

Project Overview/Scope

The Application focuses on Real estate Property search Application. The application will have two kinds of User role:- Users and Agents. In the application, User will be able to get the list of Properties . User will be able to view those properties and will be able to view its details. User will also be able to view the list of agents. User will be able to select any particular agent , view its details and will be able to view the properties listed by them. Agents will be able create their account , will be able to submit his license and will be able to provide his details . Agent will also be able to list the properties by adding the details.

- Design and Development of Android and I-phone Mobile Apps
- Development of Web Back-end Admin

3. Application Features and Scope of Work

➤ Application Flow(For Users)

▪ Splash Screen

- User will be able to view the splash screen along with Application logo and name.
- Splash screen will be visible for 2-3 seconds.

▪ Login

- New users register for an account or existing users sign in, specifying their interest in the Florida real estate market.
- User can register in the application by entering the details such as name, address and email.
- User will login in the application by entering email or mobile password, and will be shared one time password.
- User will authenticate the application by entering one time password.
- In case user forgets his credentials, user can click on forgot password link and reset his password.
- Users can opt to provide location information to receive tailored property suggestions within Florida.

▪ Sign Up

- User login in the application user can sign up in the application by entering details such as name , email , mobile number.
- After sign up , user will be able to view all the details related to the application .

- User will be able to see the property details, filters for his convenience to better understand the functionality.
-
- **Home**
 - In the home screen, User will be able to view search button from which he can be able to search the properties.
 - User will be able to view the popular properties.
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- **Browsing Properties in Florida**
 - Upon logging in, User will be able to view the popular curated list of properties available exclusively in Florida.
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- **Viewing Property Details**
 - User will be able to view the list of properties.
 - User will be able to apply the search/filter to the listing.
 - User will be able to select any particular property.
 - User will be able to View detailed information, including descriptions highlighting Florida-specific features.
 - User will be view the Property include images showcasing Florida's unique landscapes, architecture, and amenities.
 - **Users will also be able to get details and information of the**
 - **Lender company**
 - **Realtor**
 - **Insurance company**
 - **Title company**

- **Contacting Florida-based Agents**

- In any particular property, user will be able to view the property details.
- In the details user will be able to view the name, images, description, and location of the property.
- User can also view nearby facilities such as schools, restaurants and clubs.
- User will be able to contact admin by entering his details on to that property.

- **Agents**

- User will be able to get the list of agents.
- User will be able to search any particular agent with the help of its name.
- User will be able to select any particular agent.

- **Particular Agents**

- User will be able to view details of any particular agent.
- In details he will be able to view the details like:- Name, Image, Mobile number.

- **Bilingual Support**

- User can select their preferred language like English or Spanish.

- **Account**

- Profile:- User will be able to view/edit his profile.
- Change password:- User will be able to change his password.
- Settings:- In User settings User will be able to view FAQs, Terms & conditions, About us.
- Contact us:- User will be able to contact the Admin by entering his details like:- Name, Email ID, Mobile number and description.
- Logout:- User will be able to logout from the application.

➤ Application flow as an Agent

▪ Splash Screen

- Agent will be able to view the splash screen along with Application logo and name.

▪ Login/Registration

- Agent will be able to login into the application using Email ID and password.
- Agent will be able to register into the application by filling up his details like: Name, Email id, Mobile Number, Password.
- After registration, agent will be able to enter his license number, registry papers of the property.
- Agent will have to wait for the Admin to approve his account.
- In case the agent forgets his password he will be able to click on forgot password link to reset his password.

▪ Add Property

- After registering in the application, agent will be able to add his property details
- Agent can upload images, documents related to their properties to list them on the application.

▪ Home

- In the home screen, Agent will be able to view his list of properties he added.
- Agent will be able to search any particular property by its name.

- Agent will be able to select any particular property.
 - Agent will also be able to exchange their listing with help of IDX/RSS feed.
-
- **Agent Community**
 - Agents can also view list of other agents as well.
 - Agents can connect with each other.
-
- **Particular Property for Agents**
 - In any particular property , agent will be able view its details
 - In the details , agent will be able to view details like:- Name , Images, Description and location.
-
- **Negotiation and Communication with Florida Agents**
 - Florida-based agents receive notifications about user inquiries and proposals specific to the Florida market.
 - Agents engage with users, providing insights into the Florida real estate market, negotiating terms, and addressing concerns related to Florida-specific regulations and environmental considerations.
 - Agents maintain relationships with users interested in Florida properties, providing ongoing support and assistance throughout the property search and view.
-
- **Agents Updating Property Listings and Market Insights**
 - Agents regularly update property listings to reflect changes in availability, pricing, or market conditions specific to the Florida market.
 - They provide market insights and trends related to the Florida real estate market to inform users and optimize their property search experience.

- **Report Generation**

- Monthly reports will be generated for the specific real estate properties and listings.
- These reports will comprise the overall sales report at end of the month.
- User will able to view the real-time insights into the ever-changing real estate market trends."

- **Account**

- Profile:- Agent will be able to view/edit his profile.
- Change password:- Agent will be able to change his password.
- Settings:- In Agent settings Agent will be able to view FAQs, Terms & conditions, About us.
- Contact us:- Agent will be able to contact the Admin by entering his details like:- Name, Email ID, Mobile number and description.
- Logout:- Agent will be able to logout from the application.

4. Administrative Panel:-The back end of the Application will be power packed with an administrative panel to manage the updates of data at the front as well as back end.

- **User Management(User and Agents)**

- Admin will be able to manage the User.
- Admin will be able to view/search the list of the User.
- Admin will be able to View/Delete/Activate/Deactivate any particular User.
- Admin will be able to approve the agents.
- Admin oversee agent accounts and profiles, verifying credentials and managing agent permissions.

- **Property Management**

- Admin will be able to manage the properties.
- Admin will be able to store the properties in the backend which will be called via Bridge Interactive platforms and MLS.
- Admin have full control over property listings, including adding new listings, editing existing ones, and removing outdated or sold properties.

- **Inquiry and Proposal Management**

- Admin can monitor and manage user inquiries and proposals regarding properties.
- They can handling and track the status of each inquiry through to resolution.

- **Static content management**

Admin will be able to manage(Add/View/Edit) the static contents .

Following static contents will be managed by the Admin:-

- Terms and Conditions and Privacy Policy

5. Key Deliverables

S. No	Deliverables
1	Mobile Application Development Designing and Slicing
2	Mobile Application Development
3	Back-end, Web Services and 3rd Party API integration
4	Admin Panel Development
5	Test Case Document
6	Discovery- FRD, Wireframes, User Persona, Notification Metrics (Subject to change)
7	Testing and Deployment of Application on a Google Play & App Store.

6. Technology Stack and Third Party Integration

There will be some third party integration that will be required to build the functionality mentioned in the document. The details are mentioned as under: -

- Google Maps

➤ Technologies

Development Phases		Tools & Technology
Development	Mobile App	➤ Flutter
	Backend Panel	➤ Node.js and Laravel (Admin)
	Database	➤ MySQL
Platform and Orientation		➤ iOS (13.x) ➤ Android (10.x) ➤ Target Devices: iPhone 8 and plus ➤ Android: Up to 8 Android devices, client will suggest. ➤ Portrait

7. Reason for Choosing this Technology

- PHP is an open source language helping users to download the language and develop websites.
- PHP is free to use, have extensive library, Adaptable with multiple platform and technologies
- PHP is to easy to maintain, is very fast and flexible.
- Flutter is an open source language showcasing efficient development process.
- Flutter has high performance and compatibility.

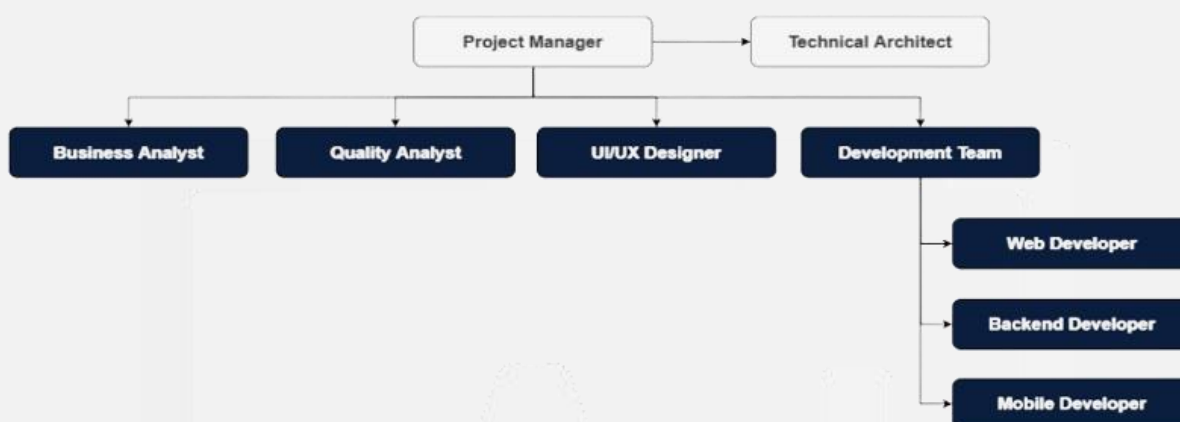
8. Assumptions

There are some assumptions that are taken while creating the document that are mentioned as under:

- All the 3rd party APIs will be purchased & provided by the Client.
- Efforts mentioned are tentative & can vary on greater understanding & analysis.
- We will be using the theme for the development of the Admin Panel.
- The GPS location will be displayed. GPS tracking is only considered for the mobile application.
- There will be a function for consumers to seamlessly find holistic practitioners of their preferred desire.
- Schedule appointment capabilities are required to ensure proper services rendered, appointments scheduled, and a visual of completed appointments.
- Any/all verbal discussions (including features/deliverables) that are not a part of the proposal are not included within the scope
- Clients will provide the server details and we are considering the integration efforts in the estimates provided.
- We're considering there will be animations when the user hovers on the category/sub-category icons.

9. Team Structure

Aayan India would be deploying a total team of 8 members for the project with different roles and skill sets. The details are mentioned below:



Resources	Roles
Project Manager (1)	Project Monitoring Resolving Escalations/ change Request management Reviewing the Deliverables Ensure On-time Delivery as per Sprint Plan
Technical Architect (1)	Designing of Database Structure & Architecture Creation of Database Design Document
Flutter Developer (2)	iOS & Android Application Development
PHP Developer (2)	Backend Development, Third-Party Integrations and Web Services Development
Quality Analyst (1)	Quality Assurance & Debugging, Creation of Test Cases Creation of User manual Document
UI/UX Designer (1)	Designing, Screen Slicing and HTML.
Business Analyst (1)	Wireframing, Requirement Analysis & Project Kick-off Meeting

10. Project Management

Before Project is awarded			
Business Analysis	Project Management/Software Development	Business Development/Sales	Accounting
1. Project Identify/ Analysis 2. Develop one page proposal overview 3. Create project management overview 4. Lester assigned to business manager GBM <i>GBM :Global Business Manager</i>	1. Project Evaluation by technical teams 2. Introduction call 1 on 1 interaction with Lester 3. System appropriate services determined 4. Requirements / System application architecture 5. Project needs analysis 6. Detailed proposal development 7. Cost and Time effort estimation	1. Introduction call 2. Deliverables discussed with Lester 3. Milestones discussed 4. Project success discussed 5. Future growth alignment 6. Detailed proposal provided 7. Payment instructions	1. Proof of concept provided to Lester 2. Patient system approval of POC 3. Invoice submitted to Lester 4. Payment received 5. Payment confirmation sent to Lester 6. Account forwarded to PM <i>POC: Proof of Concept</i>

After Project is awarded			
Phase 1	Phase 2	Phase 3	Phase 4
5. Project manager assigned 6. Project initiation/ introduction call 7. Online project profile created 8. Weekly project meetings scheduled 9. Reporting formats explained to Lester	10. Design, Development / technical teams assigned 11. Project start 12. Lester feedback on weekly 13. Weekly project feedback session- 30 min 14. Reports available on-line 15. Online Lester access of PM system application	16. Testing / Quality Assurance 17. Live server testing 18. Final bugs issues fixed 19. Campaign completed	20. Periodic project maintenance 21. Data backups 22. Web site –System application upgrades 23. On line marketing ** Optional

11. Project Estimation

Proposed quote is \$ 9,200 only and total efforts estimate would be 50 Business days. On your approval and confirmation, we will be working on project delivery schedule on the basis of our resources allocation plan.

*4% of fee will applicable in case of payment via Credit Card.

* No Additional payment processing fee will be applicable if payment is processed through Bank Wire Transfer.

**** The cost is estimated on the basis of high level requirements however there may be a variation of + - 10% based on the final requirements freeze.**

12. Commercials and Payment terms:

S.N	Tasks	Amount
1	Initial Deposit, Prior to kick off the project	2,300 USD
2	On UI/UX Design Completion	2,300 USD
3	On Design Integration & 50% Completion of Development	2,300 USD
4	On Final Completion	2,300 USD
	Total Quote	9,200 USD Only

Notes:

- All milestones sign off period would be 5 working days. All bugs or feedback reported post
- The estimates mentioned are tentative and could vary based on a greater understanding of scope in the analysis phase.
- The cost shared above is excluding taxes.
- Team working standard hours would be from 10 am IST- 7 PM IST
- The final UAT Sign-Off Period will be 1 Week.
- All payments to be done within 48 hours of the milestone Sign off.
- Max UAT time period for each milestone considered is 5 days.
- Any 3rd party paid plugins would be bought by the client.

::: Intellectual Property :::

Aayan guarantees high level of protection of information and intellectual property of its Clients and ensures a zero information leakage mechanism.

::: Software Ownership :::

Client would own the copyright on the application/service developed as a whole. Copyright ship is valid only after the full payments have been made and **Aayan** hands over a copyright release document to **Client**.

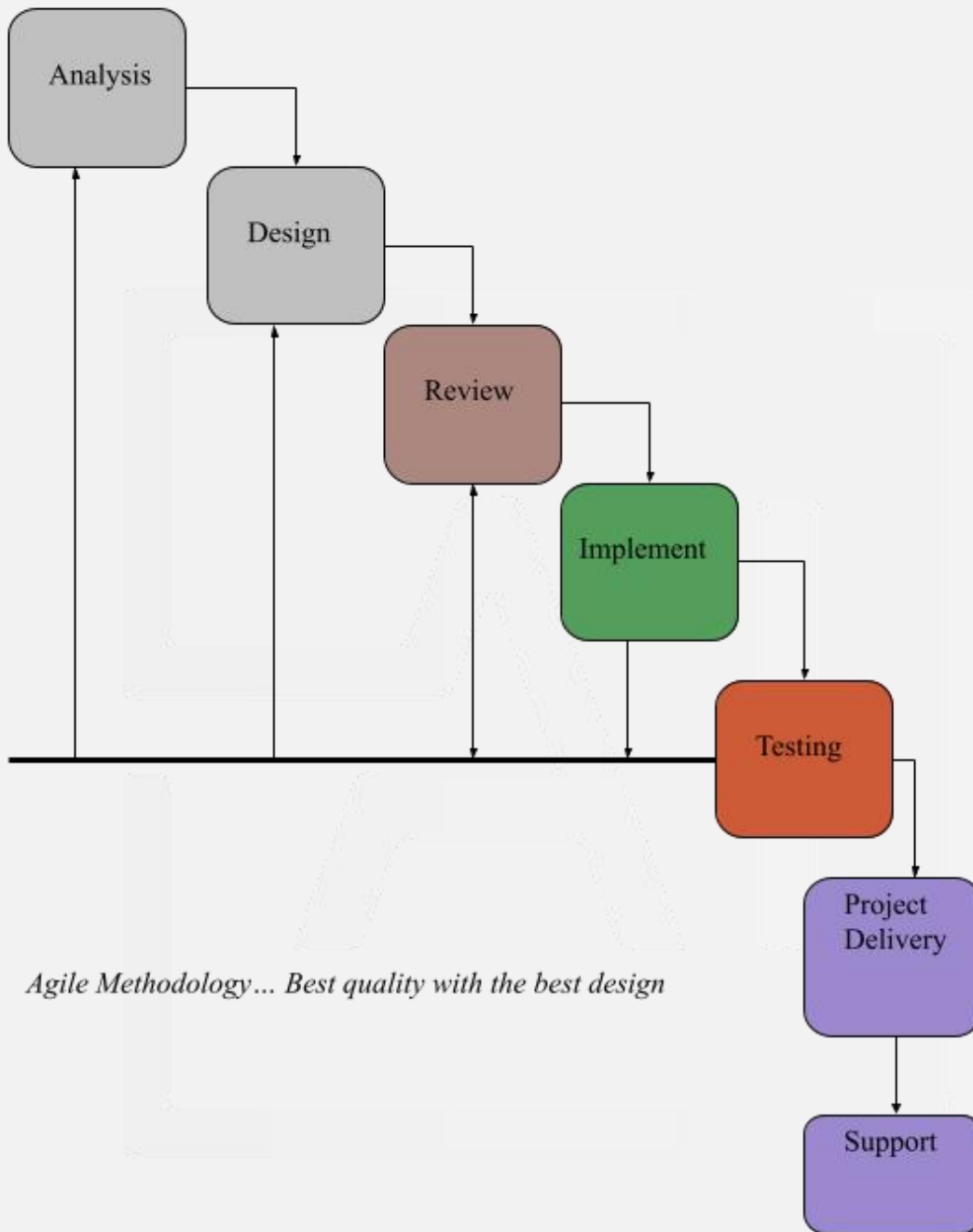
::: Systems & Processes :::

Aayan has highly evolved systems and processes for project management, work-flow management, time sheet management, bug tracking, milestone tracking, project execution and reporting and Client communication.

::: Warranty Period and Maintenance :::

Aayan shall give a warranty for all its code, provided a third party does not alter the same. Any changes or bugs shall be addressed absolutely free of cost until it does not involve adding new modules which will be billable. Warranty shall be valid only after clearance of full and final payment of the project for a period of **3 Months**. **The project's ongoing maintenance expenses are estimated to range between 10% and 15% of the total project budget for a period of one year.**

13. Development Process



- We will follow the Agile Methodology for Project Management where we will divide the whole project into incremental, iterative work sequences that are commonly known as sprints.
- **Wireframing & Documentation Standards/Tools Analysis**
 - **Tools**
 - Axure RP Pro
 - Invision Prototyping
 - Google Docs
 - **UI Standards**
 - We follow the iterative design process. Iterative design is a design methodology based on a cyclic process of prototyping, testing, analyzing, and refining a work in progress.
- **Responsive Design Techniques**
 - **Tools**
 - Adobe XD
 - Adobe Illustrator
 - Figma
- **Project Management Tools**
 - **Slack**
- **Communication Tools**
 - **Google Suit**
 - **Skype**
- **Testing Standards**
 - We make sure each of our services undergo rigorous testing so that it becomes 100% free of bugs. We use the Following testing techniques:
 - Functional Testing
 - Unit Testing
 - Beta/Acceptance Testing

- System Testing

14. Terms and Conditions

- Invoice shall be raised on each milestone, to be defined at the time of creation of Project Plan.
- In case the need to make the resource(s) available on-site for study/delivery or any other purpose the cost shall be borne by Lester (a separate scope of work is provided by Aayan India as the need arises).
- This proposal will be only valid once we receive a signed copy of the same from Lester end along.
- Deliverables listed in the proposal above will be referred to during the development of the project. Any new features, additional modules, major changes in work flow or any other element which is out of scope as per the above will attract a fresh ETA and quote which will be submitted separately by Aayan India.
- **All content, images, texts, videos, Third party integration, services, API, Plug-in etc. information will be provided by Lester. If any of those attracts any cost to be acquired, same will be borne by Lester.(All the details mentioned in the bellow point).**
 - **3rd Party API - Google Maps :** -<https://mapsplatform.google.com/pricing/>
 - **SMS API - Firebase :-** <https://firebase.google.com/pricing>
 - **Insurance Company API :-**The details regarding the integration of the insurance company API will be shared by the client.
 - **Spanish Content:-**The client will be providing Spanish content for the application.
- Aayan India is not responsible for the delay of the project if the necessary information required by Lester like API's information, third party plug-ins, Payment gateways and shipping gateways info etc. is not provided timely by Lester.
- Aayan India will provide 1 design concepts for Design work and there will be 2-3 revisions can be done as per Lester remarks if more revisions required then these will be billable.

- Aayan India is not responsible for the delay caused by the malfunctioning of any third party software integrated with some other system appreciated works:
- General features not described in detail will carry out as per industry standards and will be supported by open source scripts when available.
- **Domain Registration & Hosting Server for the installation of final product will be bought by the Lester and provided to Aayan India..(All the details mentioned in the bellow point).**
 - **The cost for buying the APIs used within the application would be Approximately 300USD per year which would be for Server. The costing may differ for each server and which server would be best used for the Application we will suggesting once we move into the development phase.**
 - **The price to buy developer accounts would be:-**
 - **Google Account: 25 USD One Time Payment (Life Time)**
 - **Apple Account:**
 - 1. Individual Account: 99 USD per Year**
 - 2. Company Account: 299 USD per Year**
 - **Payment Gateway: No Payment, it will charge 2% on every transaction(Based on the payment gateway we choose)**
- Neither party can hire/ contact/ work with either of its employees/ resources/ former employees directly or indirectly during the term of this contract and till 5 years without the written permission from the directors of the company.
- Lester will ensure that the hosting server provided is compliant to the requirements for hosting server provided by Aayan India.

15. Acceptance of SOW

- Making choices where the choice impacts the timeline and cost towards an alternative which reduces timelines and costs, balance out on timeline and features.
- Giving sign-off on designs shared. Ensuring feedback on UI and UX concepts within 2 business days. Any delay will increase the timeline by that many days.
- Ensuring testing of the system development release testing by their users starting 15 working days before the system release date. Ensuring they have appropriate devices to test the app and app at least 7 days before the delivery date.
- Feedback on system flow within 2 business days of receiving the web and mobile system flow.
- Buying servers and account details and providing Aayan India with the credentials.

IN WITNESS WHEREOF, both parties here have to agree the finalized scope for this project as of the date.

For: Lester

For: Aayan SM India Pvt. Ltd.

Signature:

Signature:
