**Proposal for Developing a Robust Platform Similar to Bark.com**

**Introduction**

We propose to develop a comprehensive platform similar to Bark.com that connects clients/job posters with professionals/service providers.   
This platform will include a hybrid web application, mobile apps for both Android and iOS, and an extensive admin backend for managing the system. Our development will focus on delivering a sleek, bug free experience with enhanced security and innovative features, leveraging the latest technologies and best practices.

**Project Objectives**

* Develop a user friendly web application and mobile apps.
* Implement a postcode API to display professionals/service providers based on service coverage areas.
* Ensure high performance, scalability, and maintainability.
* Provide robust admin panel capabilities for full system management.

**Key Features**

Key Features

* Hybrid Interface for Clients and Professionals:
* Ability to switch between client and professional dashboards.
* Signup and Sign in options with Gmail API single sign on.
* Captcha features for enhanced security.
* Phone verification through call OTP.
* Guided onboarding screens for first time users.
* KYC (Know Your Customer) verification process.
* Seamless payment gateway integration.
* Asynchronous search filters for quick and precise results.
* Integration with postcode/address search API for accurate location based services.
* Comprehensive service categories and areas for a wide range of options.

Client/Job Poster Features

* Easy service request interface.
* Step by step job posting process with details, profile setup, and verification.
* Indicate budget and timeline for jobs.
* Chat functionality with bidders, revealing contact details for local services.
* Bidding process closes after 5 applicants.
* Payment verification using credit/debit cards.
* Option to pay extra for job featuring or toprated professionals.
* Job status updates to "Hired" and "Completed."
* Ranking and badge system based on job completions and verifications.
* Support ticket creation to contact admin.

Professional Features

* Detailed onboarding/registration process with personal and business details.
* Email and phone verification.
* Payment method verification.
* Profile page to add services, coverage areas, and details.
* Filter leads by location, service name, latest, etc.
* Bid for jobs with point/credit system (bulk credit).
* View other professionals' responses unless sealed by the client.
* Job status reminders and past job reviews on profile.
* Support ticket creation to contact admin.

Ranking/Badging System

* Clients and professionals receive badges based on completed jobs, verifications, reviews, exams, and certifications.

Point/Credit System

* Clients pay a flat rate for posting jobs, with additional charges for featuring jobs.
* Professionals need points/credits to bid, with refund options for unsuccessful bids.
* Wallet infrastructure for managing points/credits.

Admin Backend Features

* Manage pages, blog posts, menus, and widgets.
* Manage clients and professionals (ban, email, verification status).
* Create and manage job categories.
* Manage credit pricing and packages.
* Define rules for lead credit requirements.
* Email communication tools for clients and professionals.
* Captcha management.
* Create sub admins and assign roles.
* Full admin privileges for platform management.

**Deliverables**

* Web Application: A responsive web app catering to both clients and professionals.
* Mobile Apps: Android and iOS apps, leveraging a concept similar to Freelancer.com for cost efficiency.
* Admin Backend: A robust admin panel with full management capabilities.
* Hosting: Deployment on AWS.
* App Store Uploads: Uploading the mobile apps on Google Play Store and Apple App Store.
* Security Integration: Implementation of security solutions.
* Post Development Support: Continuous support post development and postupload. (2 Months)

**Project Schedule**

The project will follow an estimated timeline of 4.5 months, divided as follows:

* Phase 1: Planning and Requirements Gathering.
* Phase 2: System Design.
* Phase 3: Development.
* Phase 4: Testing.
* Phase 5: Deployment.
* Phase 6: Documentation.

**Tech Stack**

* **Framework:** Flutter for cross-platform mobile app development.
* **Web Application:** Html, Css, Javascript, React Js/Angular (Frontend).
* **Web Backend:** Node JS (Backend).
* **Real-time Messaging:** Firebase Cloud Messaging (FCM) or WebSocket for communication.
* **Database:** MongoDB storing user data.

**Detailed Approach for Developing a Platform Similar to Bark.com**

Detailed approach for developing a comprehensive platform similar to Bark.com. This platform will connect clients/job posters with professionals/service providers and include web application, mobile apps for both Android and iOS, and an extensive admin backend for managing the system. Our development will focus on delivering a sleek, bug free experience with enhanced security and innovative features, leveraging the latest technologies and best practices.

**Project Phases and Detailed Approach**

**Phase 1: Planning and Requirements Gathering**

**Kickoff Meeting**

* Will be Conducting an initial meeting with stakeholders to understand their vision and requirements.
* Will be Discussing and finalize the project's objectives, scope, and key features.

**Requirement Analysis**

* Gathering detailed requirements for the client and professional features.
* Identifying key functionalities, such as the postcode API, payment gateway, KYC verification, and more.
* Documenting requirements in a comprehensive requirements specification document.

**Feasibility Study**

* Analyzing the feasibility of the proposed features and identify any potential risks or challenges.
* Proposing solutions and mitigation strategies for identified risks.

**Deliverable: Requirements Specification Document**

**System Design**

Architecture Design

* Designing the system architecture using the Model View Controller (MVC) pattern.
* Define the data flow, user interactions, and integration points with external systems ( postcode API, payment gateway).

**Database Design**

* Designing the database schema to support the application's data requirements.
* Ensuring the database design is scalable, efficient, and normalized.

**API Design**

* Defining RESTful API endpoints for seamless communication between the frontend and backend systems.
* Documenting API specifications, including request/response formats, authentication methods, and error handling.

**UI/UX Design**

* Developing detailed wireframes and mockups for the client and professional dashboards.
* Creating user friendly and intuitive designs for the onboarding process, job posting, bidding, and admin panel.

**Deliverable: System Design Document, including Database Schema, API Design, and UI/UX Mockups**

**Development Of Project Includes**

**Development Environment Setup**

* Set up the development environment, including version control, project management tools, and continuous integration/continuous deployment (CI/CD) pipelines.

**Backend Development**

* Implementing the server side logic using a suitable technology.
* Develop core modules for user authentication, profile management, job posting, bidding, payment processing, and admin functionalities.
* Integrate with third party services, such as the postcode API and payment gateway.

**Frontend Development**

* Develop the client side application using a modern JavaScript framework (React.js).
* Implement responsive and dynamic interfaces for both clients and professionals.
* Ensure a seamless user experience across different devices and screen sizes.

**Mobile App Development**

* Develop mobile apps for Android and iOS using a cross platform (Flutter )
* Ensure feature parity between the web application and mobile apps.
* Implement push notifications for realtime updates and alerts.

**Integration and Testing**

* Integrating the frontend with the backend services using the defined APIs.
* Conducting unit testing for individual components to ensure functionality and reliability.
* Performing integration testing to ensure seamless interaction between different modules.

**Deliverable: Developed Web Application, Mobile Apps, API Documentation, and Test Reports**

**Phase 4: Testing**

**Comprehensive Testing Includes**

* Performing extensive testing, including functional, integration, performance, and security testing.
* Use automated testing tools to streamline the testing process and ensure thorough coverage.

**User Acceptance Testing (UAT)**

* Conducting UAT with selected users to gather feedback and identify any usability issues.
* Iterating on feedback to refine and improve the user experience.

**Bug Fixing and Optimization**

* Addressing any bugs or performance issues identified during testing.
* Optimizing the application for speed, scalability, and resource efficiency.

**Deliverable: Testing Reports, Bug Fix Documentation, Optimized Application**

**Deployment**

**Preparation for Deployment**

* Preparing the production environment, including server setup, database configuration, and security measures.
* Ensuring the application is ready for deployment with all necessary dependencies and configurations.

**Deployment**

* Deploying the web application on AWS or a recommended server.
* Upload the mobile apps to the Google Play Store and Apple App Store.
* Perform final testing to ensure the deployed application is functioning as expected.

**Post Deployment Support**

* Monitor the application for any issues or performance bottlenecks.
* Provide support for any post deployment issues and ensure smooth operation.

**Deliverable: Deployed Web Application, Mobile Apps, and Final Testing Report**

**Collaboration and Communication**

Regular Communication

* Will be Maintaining daily/weekly communication with the project manager and team members to ensure alignment with project goals and timelines.
* Will be Use project management tools

**Deliverable: Weekly Status Reports, Meeting Minutes, Sprint Review Documents**

**Tech Team Roles and Responsibilities**

* Project Manager: Oversee project progress, manage resources, and ensure timelines are met.
* Business Analyst: Gather and document requirements, communicate with stakeholders.
* System Architect: Design the system architecture, database schema, and API structure.
* Developers: Implement the modules, APIs, and conduct testing.
* Quality Assurance: Perform unit, integration, and load testing, document results.

**Assumptions and Constraints**

* Stakeholders will provide timely feedback and necessary access to existing systems.
* The development team will have the required skills in the chosen tech stack.
* Any changes to the project scope will be communicated and approved through a change management process.

**Execution Timeline**

We’ve offered a basic guide for the timeframe of delivery and what your client can expect to be charged. We estimates that it will take 135 days to 145 day. to complete your new website, admin, Hybrid App. Upon signing this agreement, we can begin immediately. Here’s what to expect:

**Process Delivery**

Planning, research/outreach 3 Week

Design, consultant 2 Week

Development 10 Weeks

Testing, launch and Upload 3 Week

**Project Costs**

The table below details the costs associated with this project. Invoices will be sent to Client Companion the dates indicated below, are payable Bank A/c transfer or wire transfer, and are due on a net 7 day basis.

| **Name** | **Price** | **QTY** | **Subtotal** |
| --- | --- | --- | --- |
| Developing a Robust Platform Similar to Bark.com | **GBP 6000** |  | **GBP 6000** |

**Total GBP : 6000**

**Note: We have read your requirement properly, We can build your product in very good timeline,We are confident in our ability to deliver a high quality solution and look forward to the opportunity to work with you.(Also we are open to discuss on commercial)  
All third party Api will be Excluded.Ex:Sms gateway, location, Etc.**