Android Application for employee tracking and chating

Prepared for:

Prepared By:

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OVERVIEW

We welcome the opportunity to build mobile application development for employee tracking and chatting.

ABOUT The Code Tycoon

We pride ourselves on three things:

i)   Sticking to project timelines
ii)   Being cost-effective
iii)   Building great apps for every client

The Code Tycoon has been working rigorously in the field of Software development. We are here to take your business to new heights by adding our internet marketing expertise. The Code tycoon provides various strategies and implements unique ideas to get a boom in the online market. We connect you directly with customers and know their review regarding products.

Yes, we are the "Game Changers". We help you in growing your business. Customers are attracted towards good design and useful content, for that approach we have a "Digital marketing" team who will make sure that your leads are converting into a loyal customer.

OUR PROCESS

Discovery

We work with clients to understand their business and we merge their initial concept with everything the TWS team knows about mobile. We'll assess the possible challenges and identify the ways to overcome them.

Features & Architecture

We establish what features go into the product and how they will work together. Here, we're drafting a skeletal framework for the app in the form of wireframes.

Design

When it comes to first impressions, it's all about design. We'll put our passion for good design to work and based on approved wireframes we'll design all screens.

Development

The development process is broken down into sprints based on feature sets. Our agile-based development process will allow you to regularly review and assess what we're building.

Quality Assurance

Our Quality Assurance team will test the app after each development sprint and once all major functionality is implemented, we'll prepare a Beta Build.

Launch

After passing the Beta Build through a final round of QA and refinements, we'll have in our hands a Release Candidate Build. We can either submit the app to the App Stores or provide you with everything you need to do it yourself.

Maintenance

We provide our clients with a 3 months bug fixing period, free of charge, and maintenance packages that cover everything from small updates all the way to whole new versions.

APPROACH TO MEET REQUIREMENTS

In order to make the app we will have the following components:

    i)   Frontend App
    ii)   Admin Area
    iii)   Backend (server)

The apps will be in English and will have the following screens:

    i)   Frontend Application

       a. Login/logout

       b. location tracing screen

       c. Chatting functionality

ii)   Admin Panel

       a. Employee management

       b. Employee tracking real time

       c. Employee-employer chat functionality

TECHNICAL SOLUTION

We are using an agile method, so the development of parts from the components can be done in parallel. The diagram from the costs and timeline will explain how the components are done in parallel.

Technologies proposed for the development:

1. Backend and Database
i)   SMS integrations
ii)   Email integrations
iii)   API Hosting
iv)   Database Hosting
v)   Images, Js and CSS files Hosting.

We have selected a Javascript-based stack to implement the backend, based on NodeJS, ExpressJS and SailsJS. As opposed to more traditional technologies, Javascript is a newer one but growing quickly on the server-side, and we selected it because of its stellar performance and better scalability.

2. Mobile app

The Android mobile client application will run on all phones with Android 4.0 or newer that include Google services.
It will be developed using the native development tools provided by Google. The app will run in portrait mode and will have a common layout and look-and-feel across all form factors (phones and tablets).

During the development phase we propose at least the followings:

Each week we are delivering demo files (images, web-pages or mobile demo builds)

Each week we must have a general sync meeting to discuss:

- last week's progress based on the demo provided
- next week plans
- other items regarding that period

Tools used by TWS:

- GITHUB for ticketing and project management
- Email and Google drive for sharing document, specifications and content

TIMELINE AND COSTS

Before starting the actual designing and coding, we will need to build full functional specifications documents. This document will contain everything the system will be able to do with higher level of details, because it will be the way to check and compare everything needed to be done. The designer, software architect, software developer, QA team, product owner, and project manager will know exactly what to build and what to expect from the system. After this scoping week, the

designer and the software architect can start working. After having the architecture, the developers will also be able to start developing.

During the development we will have two important milestones: alpha milestone and beta milestone. For the alpha milestone, around 40-60% of the features should be working and for the beta milestone 100% of the features should be working, but with chances of bugs.

After the beta milestone, the apps will be sent for QA testing and fixing found bugs. After fixing these bugs, the apps will be ready for your user acceptance testing.

*Logo and content will be provided by client

Milestones (Scope of work)	days	Release Amount
Advance payment	NA	40%
Admin Panel graphics Design complete	10	20%
Application	10	20%
Delivery	NA	20%
Total	20-25 Business Days (some above task can be done parallel)	70,000/-
GST	18%	14,000/-
	TOTAL Rs 84,000/-	

Date: 7 Nov, 2020

Signature: Darshan Singh Khangarot