



CarFirst Platform

Project Proposal Document
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ZAPTA Technologies (Pvt) Ltd | Lahore, Pakistan

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Cover Letter

First of all, we would like to thank you for taking out time from your busy schedule to take a look at our business proposal. Following is the Software Development Proposal on behalf of **ZAPTA Technologies (PVT) LTD** for developing your software named '**CarFirst Platform**'.

ZAPTA Technologies (PVT) LTD is a software development company with its head office located in Lahore, Pakistan. Our main expertise includes development of both mobile and web applications, using the best tools and technologies in the market. We ensure that all our present and new hired developers are well experienced and familiar with the latest technologies.

At **ZAPTA Technologies**, our core aim is to deliver best quality work to each client with a very reasonable budget based on client's requirements and offer unlimited revision until the client is fully satisfied, so after working with us you will be extremely contented. In addition, this, we provide after-service-client-care including maintenance, warranties, and training on the developed software

You can learn more from <https://zaptatech.com/> , where you can have a detailed look at our offered services, our work portfolio and list of our clients.

For any further queries, please feel free to contact us through the details that we would be putting forward in the proposal herein.

ZAPTA Technologies (PVT) LTD
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Introduction

The following document specifies the '**Project Proposal**' for **CarFirst Platform**. This document will clearly state the Project scope, features, Technology constraints, and Project Payment in detail. So that all the stakeholders and project team are well aware of the project's overview

Project Scope

The project will consist of complete development and UI/UX Design of '**CarFirst Platform**'. It is a platform for buying, selling and exchanging the used cars in Pakistan. The seller can get his/her car inspected and sold at a fair price through this platform. Also, the buyers can choose from an extensive variety of CarFirst certified used-cars from across the country without getting into a very hassle process. The inspector can also add the cars for auction and the dealers can participate in that auction.

Project Features

Sr No.		Features List
		Visitor
1.		<ul style="list-style-type: none">• Buy car• Browse cars• Sell car• Get price for car• Get car inspected (retail inspection, home inspection)• Print confirmation• Start chat• Exchange car• Change language• Contact company (message, call helpline)• View about us page• Search location• View news room

	<ul style="list-style-type: none"> • Explore FAQs section • View code of business ethics and conducts • View required documents • View blogs • Link with social media • Receive automated messages • Start chat • Edit chat (change name, email transcript, sound on, pop widget) • Rate the chat • Attach file with chat • Insert emoji in chat • View terms and conditions • View privacy policy
Super Admin Dashboard	
2.	<ul style="list-style-type: none"> • Login • View inspection reports (ID, Internal ID, Car, Registration number, Year, Location, Price, Inspector, Customer, Created date and time, Duration, status, Type, Spin car status, actions) • Search reports by filtering inspectors • Open car details • View missing car documents list • Create car details • Add inspection (Car details, documents, Test drive, Interior, Front, Right, Roof, Back, Left, Car body evaluation, Accessories, Photos, Damages, Comments) • Delete inspection • Save inspection • View Car List (ID license plate, make/model/trim/color, year/mileage/type, physical status/legal current location, purchase channel-location/purchase price-date, selling status/selling location/selling price-date, reserve date, purchase payment/selling payment, document-status/document-handover

	<p>to buy, open tasks, marketplace price visibility, created at/created by)</p> <ul style="list-style-type: none"> • Search for car by applying filters • Clear filters • View potential duplicates of car • View car main data (car details, payment details, car documents) • Manage operations (view logistics, link car, view transits, add comments, view history, view tasks, view car allowance) • Manage purchase (view purchase, print purchase slip, view offer pricing, view purchase-price, view purchase payments, view purchase documents) • View selling (view selling details, print selling details, view selling-prices, view selling payments, view selling documents, view checkout options, view offer pricing) • View channels (auctions of cars, marketplace) • View car transits details (car transit ID, make/model/trim/year, license plate, status type, start, end, driver/company of driver, comments) • Search car transits by applying filters • Clear the filters from car transits search • View previous car transits list • View next car transits list • View car tasks details (car tasks ID, make/model/trim/year, status priority, responsible due date, type/title, created by/created at) • Search car tasks by applying filters • Clear filters from the search of car tasks • Create auctions (date of auction, time of auctions, location) • Add cars for auctions (car details, car documents) • Edit cars for auctions (car details, car documents) • Delete cars for auctions (car details, car documents) • Receive notifications • View new notifications • View archive notifications • Clear notifications
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	<ul style="list-style-type: none"> • Logout
Sub Admin Dashboard	
3.	<ul style="list-style-type: none"> • Sign up through invite • Login • View CRM (My tasks, My leads) • Manage my tasks (search by filters, apply multi sort, save filters) • Manage my leads (search by filters, apply multi sort, save filters) • Manage lead(s) details (search by filter, apply multi sort, hide, save filters, update lead(s)) • Manage appointments for inspection (view appointments, create tasks, edit appointments) • Manage customer details (View leads and booking, add comments, view comments, add task(s), view tasks, view change log) • Manage appointments calendar (search through filters, save filters, refresh calendar, change date, update appointment(s)) • Manage leads allocation (Add filters to search, hide selected leads, save filters, create entity. tier) • Logout
Inspector Dashboard	
4.	<ul style="list-style-type: none"> • Sign up as inspector • Login • Reset password • Edit profile • Change password • Mange the inspection form (view, edit, delete) • Add inspection details in the form (Car details, documents, Test drive, Interior, Front, Right, Roof, Back, Left, Car body evaluation, Accessories, Photos, Damages, Comments) • Delete inspection

	<ul style="list-style-type: none"> • Save inspection • Manage the inspection requests (view, accept/reject, request to reschedule, delete) • View retail inspection requests • View home inspection requests • Update price according to the inspection for auction • Assign a retail inspection point • Get report after inspection • View report after inspection • Add comments to inspection report • Logout
Dealer Dashboard	
5.	<ul style="list-style-type: none"> • Sign up as dealer • Login • View account details (Email, username, phone, change password, dealer manager) • Edit account details (Email, username, phone, change password) • View auctions (latest, inventory, upcoming) • Add auction to favorites • View details of the cars • Add filters to auction (sort by, pickup location, registered city, make, mileage, year, price) • View my bids (losing, winning, past) • Add filters to bids (sort by, pickup location, registered city, make, mileage, year, price) • View purchase (ongoing, completed) • Add filters to purchase (make, timeframe) • View wallet details (wallet balance, amount held, total deductions) • Add balance to the wallet • View transaction details

	<ul style="list-style-type: none"> • Get notifications • Get auction updates • Set settings (hide prices, language, general notifications, auction updates) • Call helpline • View terms and conditions • logout
Customer dashboard	
6.	<ul style="list-style-type: none"> • Sign up (form, Facebook) as customer • Login • Reset password • Change your location • Update customer details • View my saved searches • Receive weekly newsletter and updates • Change password • Sell my car • Get my car inspected • Print confirmation • Start chat • Contact us • View checklist for inspection documentation • Print the checklist for inspection • Find my car • Request for car if not available • View warranty cars (search through filters, by sorting) • View inventory vehicles • View assisted sales • View test drives (upcoming test drives, your offers) • Add to favorites • View favorites

	<ul style="list-style-type: none"> • View blogs • View our location • Contact us • logout
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Technologies & Technical Constraints

Web portal:

The project team will follow and work according to the below-defined technologies and technical constraints.

Technologies and Technical constraints specified are:

- **Frontend:** ReactJS +NextJS
- **Backend:** NodeJS + ExpressJS
- **Database:** MongoDB
- **Web hosting:** Amazon Web Services (AWS)
- **Platform:** Web Application

Mobile apps:

- **Frontend:** React native
- **Backend:** NodeJS + ExpressJS
- **Database:** MongoDB
- **Frontend hosting:** Apple store + Google play store
- **Platform:** Mobile app (iOS + Android)

System architecture & hosting

Project Timeline

According to the most precise timeline estimation, the total development procedure of this web application will take an estimated time of around 3 months, however it can vary during the project based on additions or changes in the original defined scope or features. The development will be completed by using Agile Methodology with SCRUM framework and will be divided into **10 total sprints**; whereas, one sprint will consist of 14 days. Hourly details of each feature are given in the link below:

<https://docs.google.com/document/d/1HxVDBlqitStW7ENSPIE6aVaDf9BQ88Z5/edit?usp=sharing&oid=104395788274404377996&rtpof=true&sd=true>

Project Payment

The payment of project will be cleared after each sprint is completed. The total payment decided at the start of this project can be varied based on the number of hours spent by the resources per week. Details of the total sprints, total resources and Payments of implementation & design of this project are as follows:

Team Member	Cost/Hr (USD)	Hours/Sprint	Cost/Sprint (\$)
Project Manager (1)	\$15		
Business Analyst (1)	\$15		
Back End Dev (1)	\$20		
React.JS (1)	\$18		
UI/UX Designer (1)	\$15		
Q.A (1)	\$15		
Dev Ops (1)	\$20		
Total cost per sprint			
Total number of sprints			5
Total approximate cost of project			

Our Development Process



1- Project Planning and Setting up

As clients express an interest in doing business with us, our expert strategists begin the work process. A detailed project plan is created that includes setting up the project roadmap, assigning roles & responsibilities to the team members and setting up the project environment that includes setting up all tools such as; JIRA, GitHub, etc.

2- Analysis & Documentation

After approval of the project, we advance to the analysis and documentation phase. Initial discussion with client about the project is converted to a full-fledged Software Requirements Specification (SRS) Document. Once the SRS is created, next step is creating project backlog on JIRA or other task management tools and tasks in the backlog are then groomed after the Grooming Meeting.

3- Design and prototyping

To us, design is much more than just the aesthetics. It's about the functionality. We want your users to have the best experience with your digital business, so we focus on making user

experience intriguing, addictive, intuitive and friendly. Based on the functionality of the project, user flow is designed and low fidelity wireframes are created. Then these wireframes are used to make the User Interface (UI) Design.

4- Implementation & Coding

Advanced project management tools like Jira, GitLab and Hubstaff form the essential part of our development process. Experienced and competent developers at ZAPTA take the lead and pair the right technology for a perfect solution. We update our routine status so that we can optimize the code. This phase includes whole application development including front-end development, back-end development, APIs and database setup.

5- Quality Assurance

Now starts the real excitement, when you can see your website or app being brought to life! We put the whole developed plan into action by creating a detailed test plan. Each module of the project is scrupulously tested and goes through multiple testing phases under various environments and conditions to ensure the best results.

6- Deployment & Training

Get ready to see your finished masterpiece! After all of the testing has been completed and after incremental quality assurance, our experts deploy the end product on respective app stores and web browsers, assuring the passing of the fickle approval process and the standards of the online stores.

7- Web Content & SEO

After deployment, the web content writes and finalizes all the content for the whole platform which is then implemented after reviewing. Once the content is finalized, SEO (Search Engine Optimization) experts play their role to improve the quality and quantity of system's traffic. The product is finally launched when all these steps are completed.

8- Maintenance & Support

Our team also offers free maintenance and support after the project is completed. This phase includes any bug fixes that were left out during the development, any upgradation or enhancements and technical & user support.

Our Quality Standards

During the complete Software Development Procedure, we use following Software Quality Standards to ensure that our products and work are top-notch, without any limitations:

- All software documentations like SRS (Software Requirement Specification), BRD (Business Requirements Document) and SDD (Software Design Document) are created

by considering the **IEEE and CMMI** standards. The format used by us for these documents are internationally used by all top software companies.

- **ISO 5055** is used by us for measuring the internal structure of a software product on four business-critical factors: Security, Reliability, Performance Efficiency, and Maintainability. These are the factors that determine how trustworthy, dependable, and resilient our softwares are.
- **ISO 9126** is used to measure the software product's quality, to ensure that the product is safe and no critical issues will arise after its usage
- We use **ISO 14598** to evaluate that the overall software product, to ensure that all features are developed as per the client's request and it's working accurately.

Terms & Conditions

Dedicated team

For the development of this project, a team of 7 people will work on this project. Mr. Khalil Ahmad will be managing the Project's timeline and overall progress. The requirements will be collected and documented by the software analysis team; coding work of the project will be fulfilled by the development team of ZAPTA Technologies. ZAPTA Technologies has an unrestricted authority to make changes in the aforementioned team without informing the client.

Project deliverables

Under the mutual agreement of both parties, the development of this project will be done using Agile Development Methodology. We will divide the project into different sprints. ZAPTA will share the extensive project plan once project will be started. Final delivery will include final product, source code, project documents and end user training documents (if applicable). ZAPTA Technologies will not be responsible for any delay from the client side due to any reason.

Product ownership

ZAPTA Technologies hereby agrees that the client will be the sole owner of the software product and all the deliverables included in the final delivery from the development company. ZAPTA Technologies agrees not to claim any such ownership in the Software's intellectual property at any time prior to or after the completion and delivery of the Software to the Client. ZAPTA Technologies can use the product or it's part as portfolio.

Changes in scope

Client may request a change in the original project scope or requirements as mentioned in 1st clause of this agreement. Any changes requested by the client will be reviewed by ZAPTA Technologies and the company has a full right to accept or reject the change request. If the changes requested by the company are major, then ZAPTA Technologies has an authority to demand an increase in the original price agreed by both contractors at the start of this project

Confidentiality

ZAPTA Technologies acknowledges not to:

- I. Disclose to any third party the business of the client, details regarding the software, including any information about the software's code.
- II. Making copies of the confidential information or any content based on the concepts contained within the Confidential Information for personal use or for distribution unless requested to do so by the Client
- III. Using confidential information other than solely for the benefit of the Client

Copyright

ZAPTA Technologies hereby assigns to the client, all of its rights, interest in and to the software and related patents, patent applications, copyrights, copyright applications, trademarks, and trade names in Pakistan and abroad. The development company will keep and maintain all the records concerning the Software (in the form of notes, sketches, drawings, and as may otherwise be specified by the client), which records shall be available to and remain the sole property of the client at all times.

Maintenance

After the final delivery of the product, development company shall accept and correct all the errors rising in the software product for a period of 6 months. The term 'Errors' includes any mistakes, glitches, incorrect information or incorrect functionality of the features, present in the previously developed version of software. Client will not be subject to the right of adding any new feature in the already delivered software at the name of 'maintenance'