

IT Consultancy Website and Hybrid App

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ABSTRACT

In every business there should be requirement of the website through which the business can grow in online space. And the website can help the business to bring more customers and lead to more sales. IT Consultancy business is more in demanding due to growing demand for presence of online. Many companies are using cross platform to build their mobile apps, it can help them to achieve more people using their application.

1. INTRODUCTION

Once a business owner defined the needs to take a business to the next level, a decision maker will define a scope, cost and a time-frame of the project. The role of the IT consultancy company is to support and nurture the company from the very beginning of the project until the end and deliver the project not only in the time and cost but also with complete customer satisfaction. If the customer wants any modification then the company can do it according to demand.

The scope of a project is linked intimately to the proposed business processes and systems that the project is going to deliver what the customer needs. Regardless of whether the project is to launch a new product range or discontinue unprofitable parts of the business, the change will have some impact on business processes and systems. The documentation of your business processes and system requirements are as fundamental to project scoping as an architect's plans would be to the costing and scoping of the construction of a building.

The usual problem is that a business owner doesn't know the detail of what the project is going to deliver until it starts the process. In many cases, the incremental effort in some projects can lead to significant financial loss.

One of the most common concerns for web developers new to the mobile app world is the learning curve required to build native apps, or the lack of education on what a hybrid app is. My advice is, before committing down a single path, consider the user experience and what each option provides you. Native apps will always provide the fastest performance, at the cost of being more complex to code when compared to a hybrid app, while a hybrid app will be easier to build, using HTML5 and JavaScript, at the cost of giving up a little bit of speed.

2. LITERATURE SURVEY

Now current situation of IT consultant firm is some are based on WEB domain, some are based on big data and few no. of firms are providing the data analytics domain and most of consultancies provide good skill set man power to industries.

The top most consulting firm are Accenture and IBM and serve services to 10% industry. An E business helps those consultancies to grow faster. Basically, the industry requirement and consultancies plan behind it require more time than developing the product. So, they started all the process on network by internet, transactions also done by internet.

There are few firms which provide all domain services to industries. If customer want some information about their services needs to contact with them and discuss all about it on daily basis meetings. So, solution for that is we provide a Chat bot in our website so the customer need not waste time to know basics information about our firm. Most industries are unable to know the progress of their project which is hand over to consultant firm but in our web, we provide the tracking of progress of project or the services we provide to them. Now days industry need data analyst to grow their business but CTC which they pay is higher.

3. REQUIREMENTS

Following are the requirements that should be required for this project:

- 1) First, we required the domain and hosting for the website.
- 2) After that the template of the website can be designed or we can say the GUI of the website how the website can be designed.
- 3) High quality images can be required for the website to give the look professional.
- 4) Phone Gap Software can be used to build the native hybrid app for that the HTML5 and CSS is required.
- 5) After that the Phone Gap Build is used to extract the generated apk to upload on the app store.
- 6) Chatbot API can be required to be installed on the website.

4. PROPOSED METHODOLOGY

Our project aims to create the website and hybrid app for the IT Consultancy. Where the user comes to the website or app to view the services as per their demand they can view various types of services which is related to their online space. And through hybrid app the company can reach to more customer because user can be targeted on various platform.

If the customer wants some queries to solved they can interact with the Chatbot installed on the website. User can interact in real time to solve their query in small amount of time.

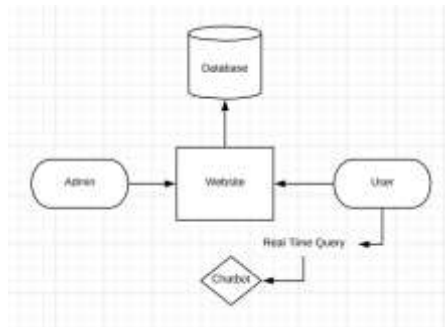


Fig. 1. Workflow of our project

The IT Consultancy project is all about to provide the solution to the small business. Now a day's many small businesses want their business to make online in this situation the IT Consultancy company can help to do that. And they help in many ways such as to rank rank their business

- **Admin:** The Admin will keep the track of registered users and their order services and the admin can add new services and can manage old services. And the most important work of the admin is to deal with the user what they want to take initial requirement from the customer means what the customer want to build for their business. And the admin can prepare the daily report of the user project it means that what percentage of the project is completed and can keep the track of the deadline of the project is completed on the time or not. This can be very important to keep the user requirement on time to complete the project on their time.

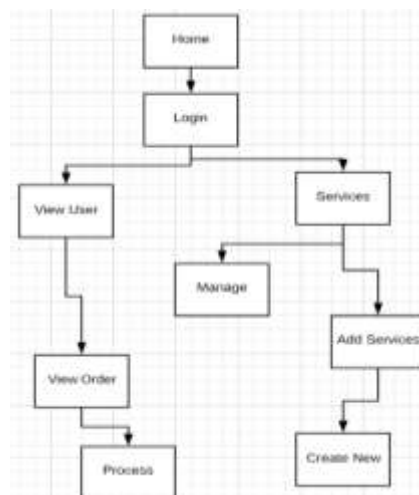


Fig. 2. Userflow diagram of an Admin

- **User:** The user can view the website if new user come to website he/she can register then login to the website after that view their account and make necessary changes and he/she can view services offered by the company. And order the services according to their needs. And the user want some doubt can be solved they can deal with the Chatbot which is installed on the website through which he/she can come with what they want and how they will develop their project.

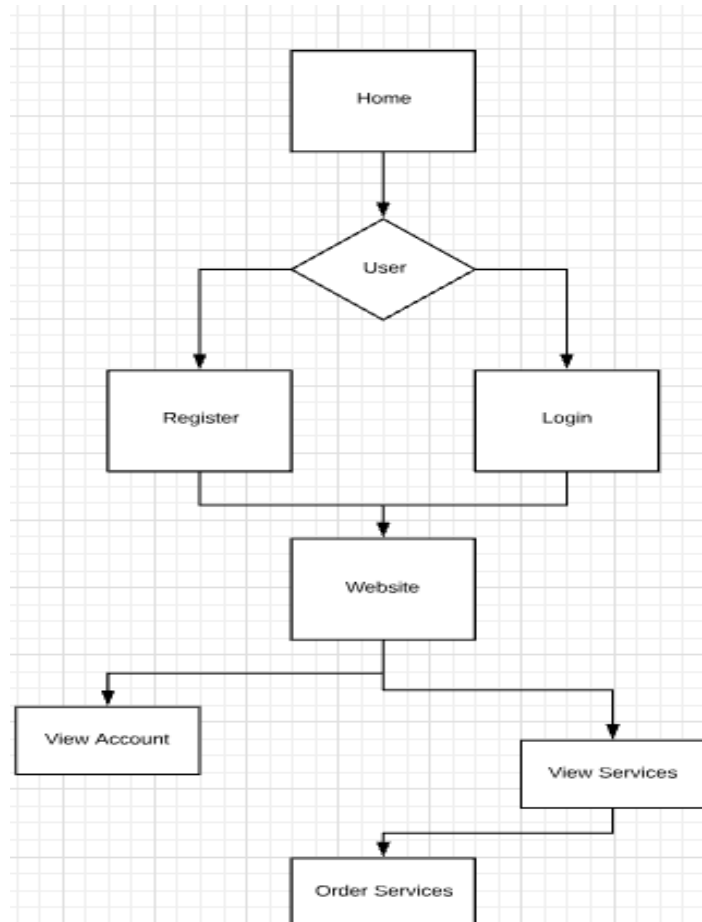


Fig. 3. Userflow diagram of a User

5. RESULTS

When the user visits the website, the following output will be shown:



Fig. 5. Home Page

When the user wants to visits the website from the the following output will be shown:

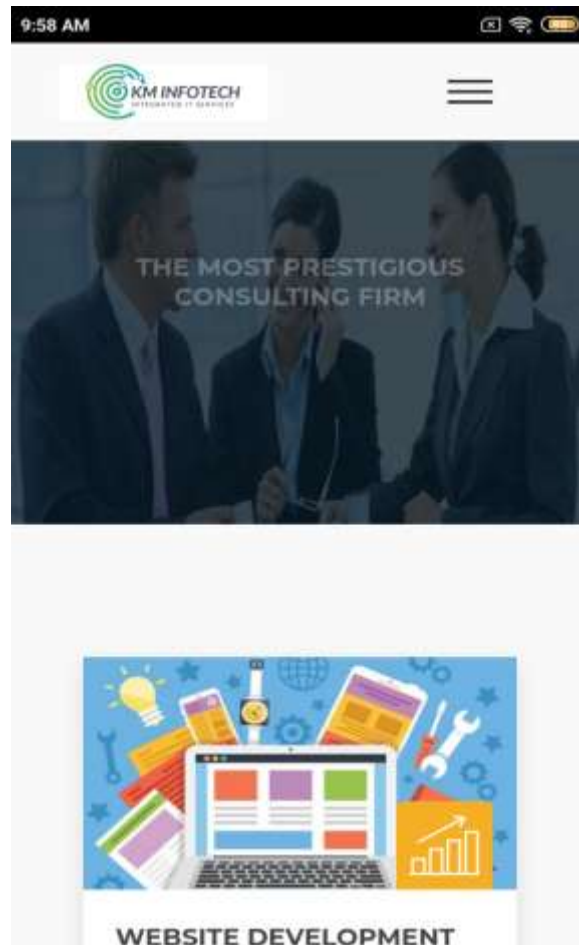


Fig. 6. Mobile View

6. CONCLUSION

With the work described in this paper, we propose a solution for user where they want to build their website or online presence they can contact to IT Consultancy. To build their online website and app for their business to expand the business. And they can solve the queries in real time through Chat Bot installed on the company website. And user can download the company hybrid app for more quick contact to the company.

7. REFERENCES

- [1] "Design and implementation of cross-platform" IEEE paper published on 07December 2017
- [2] "PhoneGap Framework" in 2015 ACM International Conference on Mobile Software Engineering.
- [3] "The Consultancy approach to aligning business and IT" IEEE paper published on May/June 2001.
- [4] "IT Consultancy: Communication Skills Are Key" Published in IT Professional in 05 February 2007.
- [5] "Chatbot API Framework" information collected from the collect. Chat website