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Project Progress Tracking System

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Abstract: In today's life it has likewise turned out to be imperative to be upgraded constantly. It might be news, business, way of life, and so forth. Extend updation has turned into a cardinal issue in IT industry. Till now in the product organizations there was no office of giving current redesigns of the project to customer along these lines, to take care of this issue we are making a web application named 'PROJECT ESTADO QUO'. 'ESTADO QUO' is a Spanish word utilized for alluding current status. This web application will be solely for project administration done in the organizations, which will be fit for demonstrating the advance of the project of various modules(through UI). This app will provide a client retention , save time of a client as well as developers, also client will be relax of checking e-mails, calls and meetings.

Keywords: Project Status, Current, Estado Quo, Percentage, Progress.

INTRODUCTION

This paper proposes a detail description of website named "PROJECT ESTADO QUO". The reason for creation of this website is today IT industries are facing many problems in project management as follows:

- ✓ No access to projects based on user account.
- ✓ No automatic e mail notifications for clients/team members.
- ✓ Front end updating.
- ✓ More time taken to update changes.

Hence, these problems of project management are the basic inspiration for our project. This website is used to provide the current status of the project to the client. This web application will be solely for project administration done in the organizations, which will be fit for demonstrating the advance of the project of various modules(through UI).

This website is created using some of the technologies mentioned as followed:

1. Dot net: It is a platform used for building up a web application, desktop application, etc. dot net provides tools libraries that enables developers to create windows software much faster and easier.
2. MVC architecture: Model view controller is an architectural pattern that separates an application into three main logical components- the model, the view, the controller. Each of these components are used to built to handle specific development aspects of an application [1].
3. Abstract factory: Abstract factory design pattern provides an interface for creating families of related or dependant objects without specifying their concrete classes. [2]

RELATED WORK

After the research and survey we found that the majority of project management solution are built around lists. Lists of tasks, lists of milestones, lists dates, etc…
Clients who have access to this style of project management tool are likely to feel confused rather than clued in. Likewise, then you see lists upon lists it's impossible to get a real read of how far through the project you are. There are some existing applications which are mentioned below:

1. JIRA programming: JIRA SOFTWARE Programming is a project administration device that backings any deft approach, be it scrum, kanban, or your own particular remarkable flavor.
2. Project Panorama: Panorama is designed to communicate project progress to your clients and team members. By giving parties a visual indication of project progress, you reduce the number of "where are things at?" calls and e-mails.

Implementation:
1. Why we are creating this web application?
The first goal of creating this web application is to overcome the problem of the delay in project completion in IT industries and this happens due to improper communication between client and developer.

2. How we are creating this web application?
We are using MVC in our project. Model view controller is easier environment because it has advantages like:

- Clear separation between Business logic and presentation logic.
- Each object in MVC have distinct responsibilities.

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- Parallel Development.
- Easy to maintain and enhancements.
- All objects and classes are independent of each other.[1]

Architecture of project:

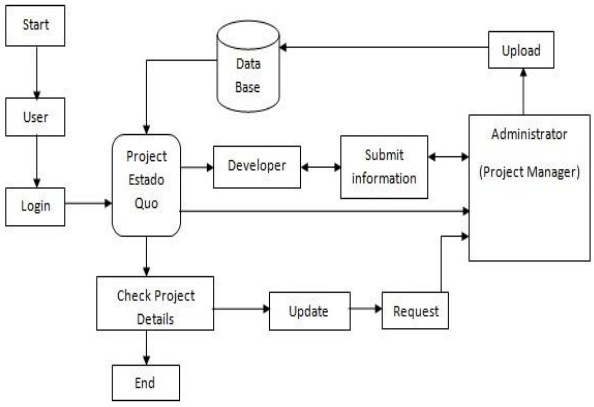

Fig1.1. Architecture

3. How is the working of this web application?

Flow starts from user login as per the user the profile will be displayed.
The request is sent by the client to the project manager.
Project manager will divide the task in between developers.
They will complete the task and send to the project manager.
Project manager will check the work and update the status in the database. This is all mentioned in the fig 1.1

Advantages of this web application:

1. Extend display gives every client their own dashboard with a diagram of the tasks relegated to them. Colleagues and customers just observe their undertakings where project manager can see all activities.
2. Each project has it's own specific page separating key information and progress.
3. Appointed assignments are recorded on clients extend dashboard. Clients can finish errands assign to them keeping the project status precise and forward.
4. Customers and colleagues can transfer, audit and approve documents. Simple informing permits customers to demand report updates, rearranging record work processes.
5. Automatic Updating
6. Documents and Approvals
7. Customers can approve or ask for changes on key records ideal on the project page.

RESULT & DISSCUSSION

Based on the number of tasks completed ESTADO QUO will display phase and project completion. This app will track the project. Finally it results that using this application, we are attempting to provide a user friendly way of Information System to the clients.
It helps client to get an idea of the project how much it is completed & what changes should be updated.

Steps to use this application:

The framework composed involves the front-end and the back-end. The front-end of the framework incorporates the interface of the framework, i.e. what the clients can see. The front-end segments incorporate the different pages of the framework i.e. Login page, the Administrator page, the home page, the project developer page. Besides, these pages (front-end) are connected to the back-end part which contains the database of the framework. Utilizing ASP.net platform, the database was associated with the front end.

1.Open the main webpage. The home page of the software is the primary page of the system. From here user can login to the system, find out about us and get in touch with us.

Fig. 2.1. Main page

2.This is the page that empowers the client to do registration and ask the company for there project .When registration option is selected client have to enter the personal details.

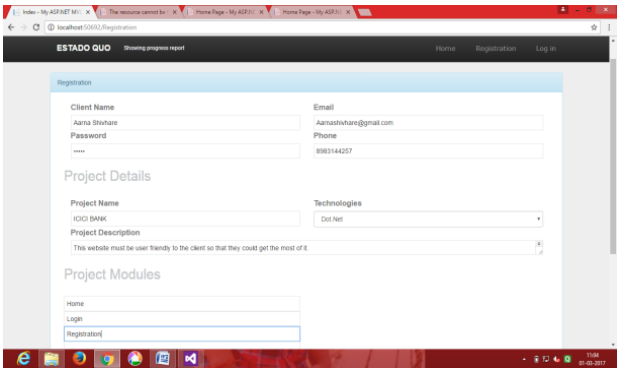

Fig. 2.2. Registration page

3. This is the page that empowers users access the framework using their one of a kind usernames and passwords. In this screenshot, a client named Arna is doing login to the estado quo login page.

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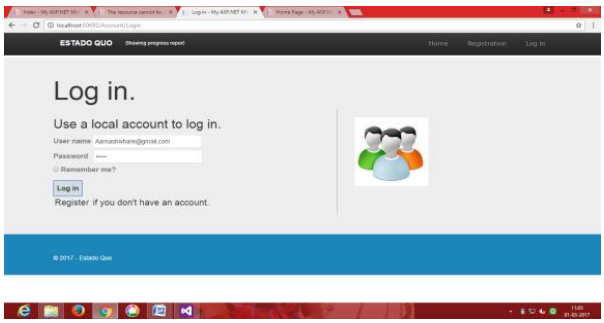

Fig.2.3 Login Page

4. Developer shows the work done in the bar graphical format. Developer can attach the file and send to project manager for analysis.

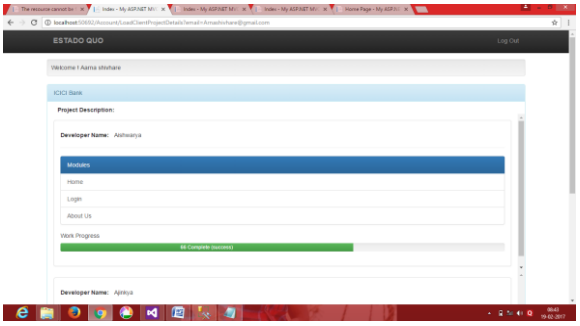

Fig. 2.4. Developer dashboard.

5. When project manager logins he will check get updates from developer. For the analysis of work he will download the files uploaded by developer. File is being checked, if it is perfect then update is sent to client in the graphical way.

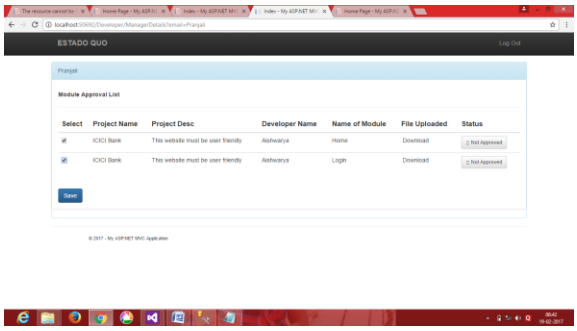

Fig.2.5 Manager page.

6. At last client will login and check the completion of work

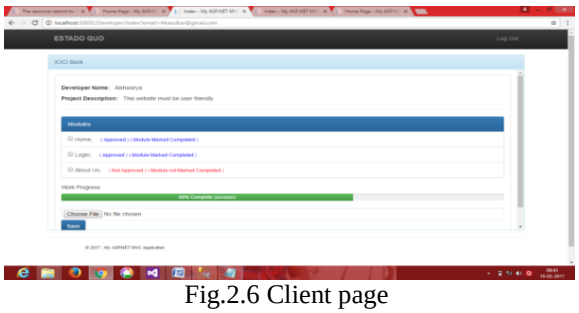

Fig.2.6 Client page

CONCLUSIONS

After completion of our project we have reached to the conclusion that this web app will help to:

- Increase client satisfaction
- Increase client retention
- Save time
- Reduction in “check in” emails, calls and meetings
- Earn money in less time

FUTURE SCOPE

1. E-mail Notifications: Convey email reports on advance to anybody or everybody assigned to a project.
2. Deadlines &Calendar: Recognize deferred extends before they are an issue by contrasting project completion with time elapsed.

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