International Journal of Scientific Research & Engineering Trends
Volume 6, Issue 3, May-June-2020, ISSN (Online): 2395-566X

An Approach to E-Certificate Designing with Auto-Emailing

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***Abstract* – In this knowledge powered world, one always thrives to prove or project their own knowledge. Similarly, it has always been the human tradition to appreciate true talent and also celebrate one's knowledge. The best possible way to do both these things is by certifying the particular individual for their achievements with a certificate. In the modern times, distribution of a certificate has become a common practice in all the conventions, conferences, etc. This popularity alone has created a need for designing the certificate in a more unique and creative manner. But not every user likes the templates given by the designer and hence requests for a personal touch in the design of the certificate which makes them feel that the certificate is unique in its own way. This paper tries to provide a solution for this challenge by providing a first in its kind website which helps the user in designing a certificate and then using it to his desired purpose. This project aims to ease the process of certificate designing and also distributing. Here, the user can develop an E-Certificate which is portable and can be circulated easily.**

***Keywords* – Email, Designing, Website Development.**

I. INTRODUCTION

An E-Mail is a medium for exchanging messages, information or both between two individuals which is generally relies on digital platform. This has become a part of the daily life of human beings. Similarly, certificates have also become a most common practice for conferences, workshops and for both technical and non-technical related courses and events. In the present times, every event has a requirement for the distribution and creation of a certificate. With the increasing demand for the development of a certificate there was also a rise in the demand for the uniqueness of the certificate which solely depends on the design of the certificate. But not everyone has the skill to design a certificate. Hence in most of the cases the user picks up a template and improvises it according to his occasion. The other major problem which the user faces is the durability of a certificate. A certificate is given or is used to represent the knowledge of an individual and it is to be maintained with utmost care. But the user often tends to misplace or damage their certificate. Now, this paper aims to provide a solution to this problem by merging two existing technologies, i.e., Website and Email. Here, this paper suggests to provide the user with a platform where they can design and develop a certificate with their own specifications. Here, the user will be provided a with a user-friendly and simple interface which helps them in designing their certificate. Later, when they finish their design, they can mail their work to their respective recipient address and the certificate is automatically added as an attachment to that mail. The tools in the market which used to design a certificate are complicated where a user with less technical knowledge or skilled can't use it. But this website is created in such a way that the inbuilt editor is easy to work with and is very amiable.

II. SYSTEM ARCHITECTURE

Sublime Text is a super-fast and feature packed text and development editor. If you are going to be coding regularly you want to try this amazing editor (IDE). Following some of the great features that make Sublime Text stand out from other code editors

Multiple cursors: Once you have discovered multiple cursors you won't want to work without them anymore. As the name suggests they let you write or edit in multiple places in a document at the same time.

Vintage mode: Vim keyboard shortcuts will work just like in the original Vim editor. To use them, all you need to do is to enable vintage mode.

Lightning fast: This is the fastest code editor you will find right now.

Command pallet: A great feature that allows you to reach about all functions of the editor via the keyboard. You will hardly use your mouse and thus code more efficiently.

Plugin collection: A hugely active community creates plugins for almost any task in Sublime Text. This includes syntax highlighting and code snippets for a large number of languages, for example Javascript, PHP, CSS, HTML, Python, LESS, XML and C++ to name just a few.

Package control: This add-on lets you install plugins within seconds directly from the editor.

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1. Environmental Requirements:

- **Software Requirements:**

1. oOperating System for PC : Windows 8 or Above
2. oSublime text : Version 3.2.2

- **Hardware Requirements:**

1. oProcessor: Intel i3 5th gen or Above
2. oRam: 8.00GB or Above
3. oMemory: 500GB or Above
4. oGraphic Card: Intel® HD Graphics 5500 or Above

3. Design Motive:

This Website helps the user to develop and send E-certificate easily.

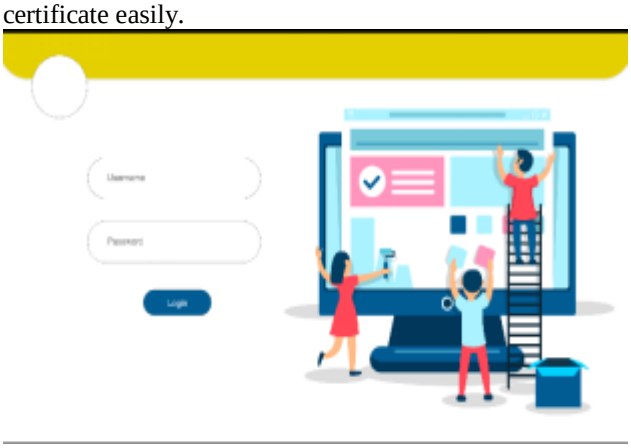

Fig.2.1. Login Module

Fig.2.2. Creation of Draft Module

Fig.2.3. The expected Design of the proposed system.

III. IMPLEMENTATION

This section describes the working of the system on an overall basis and further with specific focus on the software part of the website. An algorithm of the process, proceeded by a design motive of the system is also included.

In the First Stage the User interacts with the website by logging into the website and if the credentials are valid, the website will get diverted to the next page. If not, then the website prompts a request, stating that the user is not registered and has to register in order to access the website. In the Second Stage, the website directly leads to the editor where the user can choose to open either an existing draft or create a new draft. Draft is the design which the user has created and saved previously. In simple terms, draft is similar to the templates but here, templates are general and can be used by everyone but these drafts are personalized and can only be used by the particular user. After successfully designing a draft, now, you can either deploy it or deny it. If the user decides to deploy the draft then he can send the mail to his required recipients. If he decides to do otherwise, then he has to again start designing the draft

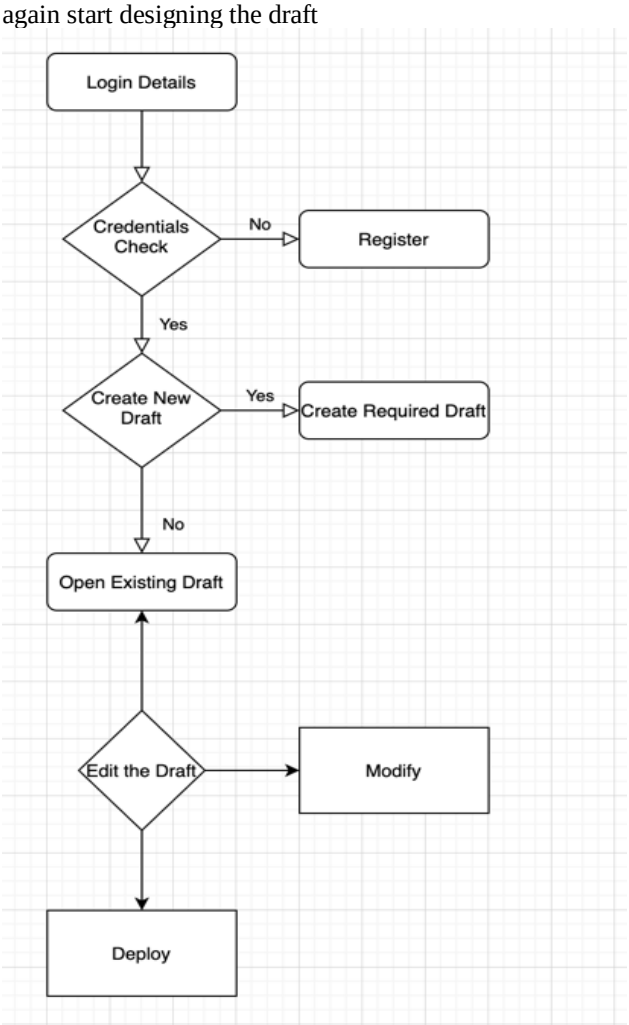

Fig.3. General Architecture of the Propose System.

IV. OUTPUT

Fig.4.1. Login page output.

1. Description:

In the First Stage the User interacts with the website by logging into the website and if the credentials are valid, the website will get diverted to the next page. If not, then the website prompts a request, stating that the user is not registered and has to register in order to access the website.

Fig.4.2. Import required template and excel sheet.

2. Description:

In the Second Stage, the website directly leads to the editor where the user can choose to open either an existing draft or create a new draft. Draft is the design which the user has created and saved previously. In simple terms, draft is similar to the templates but here, templates are general and can be used by everyone but these drafts are personalized and can only be used by the particular user.

Fig.4.3. Edit the changes of 'Sample' keyword.

3. Description:

In this stage, we can replace the keyword SAMPLE with the required name to whom this certificate is going to be sent and further design related adjustments can also be made. After successfully designing a draft, now, you can either deploy it or deny it. If the user decides to deploy the draft then he can send the mail to his required recipients. If he decides to do otherwise, then he has to again start designing the draft.

V. CONCLUSION AND FUTURE SCOPE

The goal of the project is to provide the user with a website which can help the user in designing and sending the E-Certificate. Generally, certificates are used to celebrate and appreciate one's knowledge and commitment towards a particular task or cause. This paper throws light on the advantages of E-certificate and also helps the user in maintaining its uniqueness. It provides the user with a new user-friendly website which makes the designing process easy and simple. The websites which are used to design a certificate can't send them in the form of e-certificate through email format but the website proposed by this paper can do it easily. With the help of this website, the user can develop and design a certificate on his own. E-Certificates are easy to maintain and they are more useful than a hard copy of the same certificate. In future, the website can hold corporate values and it can be converted as a platform where users can share their different templates on a particular idea. It can act as a Creative and Innovative thinking hub where the users can develop templates not only for themselves but for everyone. By using this website, the user can also start developing and designing templates not only for certificates but also for posters and videos. In future, this website can also be kept for users who have not registered. They can utilize the editor with limited functionalities. They can also download the free and paid templates. This website can also act as a platform for designer and normal user. The E-certificate can be tweaked with an addition of QR-Code on it. This project is a small initiative to make the application user-friendly and easily understandable by the user, it can be further be improved by altering its design with a much more attractive and dynamic user interface.

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