

BUILDING COMPANY PROFILE TEMPLATE USING MEAN STACK

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ABSTRACT

The project is mainly focused on Building Company Profile Template using Mean Stack is the process of “Extracting information from templates”. The template contains information like company profile, logo, sectors information, company status, team details. It can be shown in the form of graphs, charts, etc... It can be helpful for the people who want to start up a company with the expectation of more publicity through less investment. It shows Statistics through graphs where users can easily get awareness about the template. After filling in all details in the template it can be sent to others through a link, pdf, document. This paper aims to know how the information is extracted from the template and how it helps the users to get easy reach about the company among the public. This project is performed using “The methodology of extraction and analysis of event log social graph”.

Keywords: Information Extraction, Information Retrieval, Graph Theory, Data Mining, Customer Services, Data Processing.

I. INTRODUCTION

Building Company Profile Template Using Mean Stack means where people can extract information from the template which consists of different sectors like motivation, business, entrepreneur, success, etc. Those sectors consist of details like Company Status, Logo, Tag line, Team details, and other information. Today, most companies have information systems to collect, store, process, and analyze the data on their business processes. Nowadays there are many different platforms for customer support systems. Building a company profile template project is like a web application that provides the company templates which consists of graphs, pie-charts, timelines, etc.... to show the company’s development. It facilitates to create an easy awareness among the customers about the company. It will be most useful for the start-up companies those who want more publicity with less budget. It takes very little time to approach a customer and can easily promote a company to the world. It is also useful in case of pandemic situations like corona where there is a lack of physical interaction in such cases people can use these types of templates. These templates consist of minimum 20 questions and it gives accurate information about the user to the person to whom the user wishes to share. The template can be shared in the form of a document, pdf, link and it can be sent via email.

II. RELATED WORKS

[1] **Alexandra Soboleva, Olga Tushkanova, “The Methodology of Extraction and Analysis of Event Log Social Graph”, Published in IEEE April 2020.**

From this journal we have gone through how the data is entered into the template which consists of different sectors like motivation, education, success, etc. and different sectors contain details like company name, logo, status, team details, etc. And data can be displayed in the form of charts, graphs, etc. And then finally how it can be shared with the other person. By keeping the reference of this journal, we developed this project.

[2] **Soumya Priyadarshini Panda, Varun Behera, Alloran Pradhan, Abhisekh Mohanty, “A Rule-based Information Extraction System”, Published in IJITEE July 2019.**

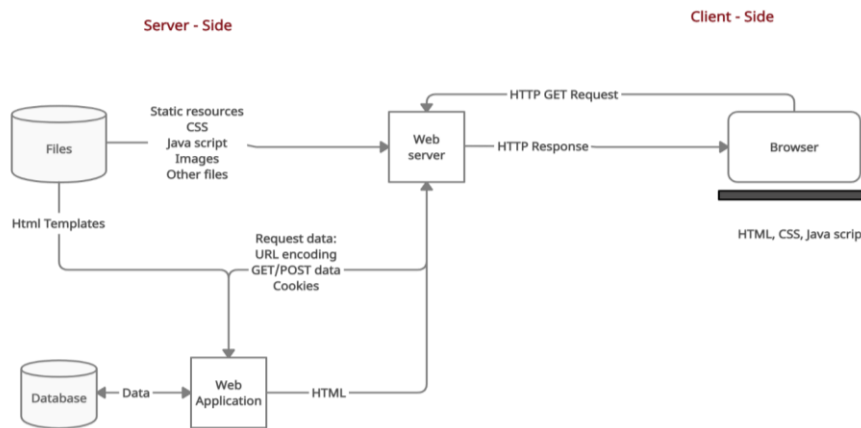
In this journal, we made the project using the JWT token which is highly secure to store the user information and user’s information. By this, the database won’t be accessible to others and it will only accessible for the user and displays in the user’s account. The full form of JWT is JSON Web Token. All the data will be in the form of collections.

[3] Man, I Lam, Zhiguo Gong, Jingzhi Guo, “Extracting Company Information from the Web”, published in IEEE October 2009.

This journal was motivated us to make an online web application to extract the company’s information from online or website. By this, we made all the users very helpful to access the required information of the company from different locations. The user can extract the information in the form of pdf or through a link or can download it

III. METHODOLOGY

3.1 DATASET



The above diagram represents the data set and data transformations of our web application. The data contains all the user information, user template information, and template’s static format. Here the data set will also contain the generated pdfs. This data set will be useful when a user login to the account and the user can find all the pre-created templates. The data can be transformed in various ways. We can add, edit, view, and delete the template’s data and we can store the user’s username and password in the form of cookies so that the user can easily log in to his/her account. The CRUD operations are used to manipulate the data in the database. The user will request from the client-side and the server will communicate with the database and keep forward the process for data transformations.

3.2 DATA PRE-PROCESSING

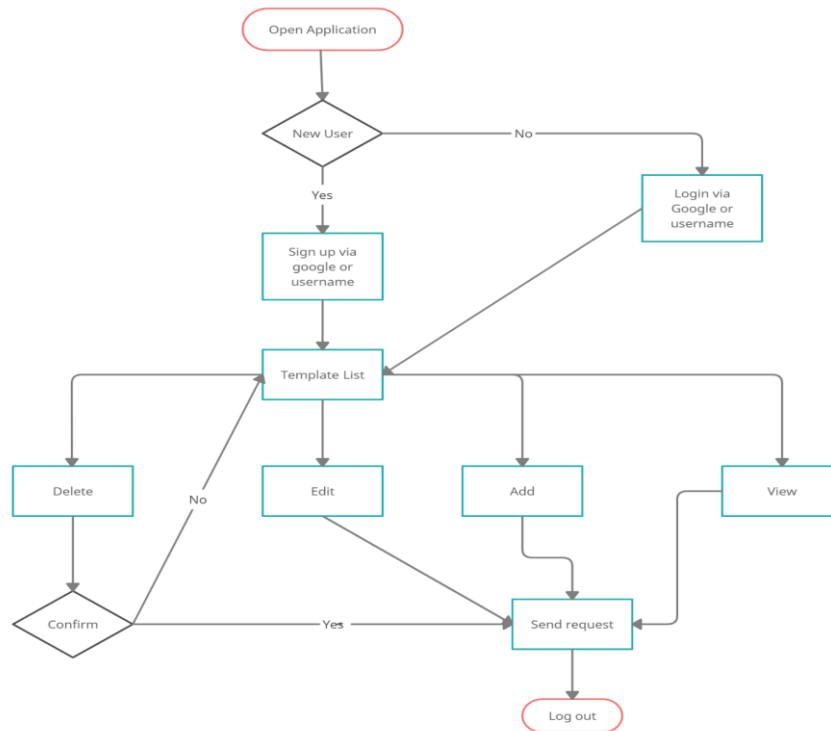
The Data Pre-processing will contain posting the information and saving all the data. We can enter the values using the POST method, we can access all the data using the GET method, we can edit the data using the UPDATE method and we can delete the information using the DELETE method. The data which is sent to the database will be stored in the form of collections. They will place in the name: value pair. So that there will be stored a large amount of data in less space.

3.3 FEATURE EXTRACTION

Nowadays Mean stack development will be used on large scale. In Mean stack development, MEAN stands for MongoDB, Express, Angular, Node.js. Each technology has separate and different features that will make understand in several ways. The MongoDB database has the features like, it won’t store the data in the tables. But it will store in the form of collections where there won’t be any loss of space. The Express will have a feature to work as a middleware between the frontend and backend parts of the project. The Angular will make web pages more responsive and make the logic very effective. Node.js will make the backend logic more secure.

3.4 EVALUATION MODEL

The evaluation model of our project will states how the process will go through several sectors. This model will clearly explain the working of the project. It states how the user will register/login to their respective account and how the user will create, edit, view, and delete the template of the user’s requirement. The below figure will clearly explain the evaluation model of the project.



3.5 CLASSIFIER SECTION

Our mean stack project had classified into two sections. They are:- Frontend sector Backend sector

3.5.1 Frontend sector

The frontend part will consist of the client-side programming logic. It will make the web pages which are useful for the user to access the application/ website. It will provide many advantages to make the logic more effective and make the web pages responsive. The frontend logic will contain angular code which is a more advanced frontend technology and it will make the code more beautify so that a new developer can also easily understand the logic.

3.5.2 Backend sector

The backend will contain the node.js part where javascript is used. It will be connected to the database and will exchange all the data stored in a database. If the client requests the frontend sector, the request will send through the express and the server-side will starts to request the database. By this, we can develop the backend logic and run the application.

IV. EXPERIMENTAL SETUP AND RESULTS

Future Enhancement

A small business needs a professional digital outlet to process customer needs and deliver an impeccable business experience. Digital is the place to be if you're planning to connect with customers from all over the world, instead of limiting yourself to a single city or a country.

These days, however, the web is a powerful stronghold where business can be concluded directly from a mobile device, without having to move from your couch.

In the last couple of years, many designers and freelancers have taken it upon themselves to produce free themes and templates that can be used to start your website in a few hours, versus having to wait for weeks to work with a custom design freelancer. With the rapid evolution of different web frameworks and tools, getting a professional and responsive website for your small business is easier than ever.

Features and Benefits

Once the user account and templates are successfully created then the template will have many different features like as follows.

Edit – The user can also edit the details that we have entered in the template if required.

Add – The user can also add up the additional content to the template after creation if required.

Delete - We can delete the unwanted data even after the template creation if the user feels it unnecessary.

View – The user can easily view the details of the template whenever he wants to recheck.

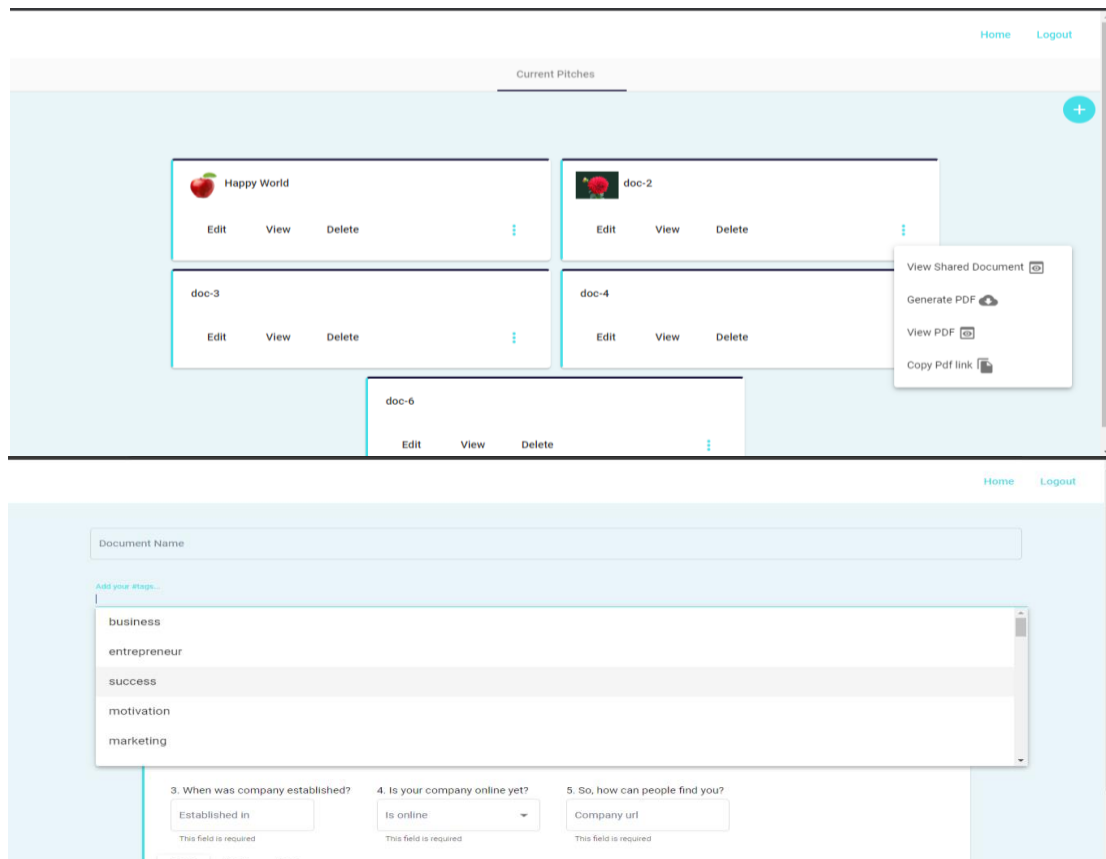
Building a company profile template also includes additional benefits which make the user's work easy and saves time. The templates are available for different sectors and domains.

It has different digital sharing options which can be used to share the template with others for easy and comfortable interaction. Users can use any of the options available. They are like

View pdf - Here the whole template will be converted into the pdf form for exchange from user to other.

Copy pdf link - By using this the user can create the pdf link and he/she can share that link with his/her customers or partners.

Generate pdf - It is the place where he can download the created pdf of the template and can keep it as a backup in case if he loses his work.



V. CONCLUSION

Hence, we can conclude that a company profile template is a marketing tool that showcases your brand's products, services, and activities. A powerful company profile template presentation should be more than just a brochure. It vibrantly showcases your business and engages with stakeholders about your company's offerings and unique qualities. The process followed in our project can be summarized as follows:

1. We have learned how to extract the user information, how to visualize and understand the data.
2. We knew how to represent the dataset for the social graphs for easy understanding and estimation.
3. We studied how to facilitate the user for the multiple form creation in different domains.
4. We found how to choose the suitable technique for the data extraction.
5. We also knew how to convert the created theme into different sending formats for easy information exchange between users and their clients.

VI. REFERENCES

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