**ABSTRACT**

When ­in final semester we were told to build a Minor-Project, the first thing which into my mind is to build an application that people could use to solve their problems based on some solution for real-world. Like there’s Zomato for solving the problem of going outside for food. Uber for bringing up the gap between travelers and cab drivers. And I always use them and wandered about their whole system works, like so many people use them. So I decided to build one.

“Forms World” is an Application where users from all over India can apply for various Job and Govt. form applications to save them time. Forms World is a service provide platform that provide to people to fill their forms with the data which once they were given during KYC in the start. It makes users to directly apply to the form application if he is eligible without need of any hard-work.

**INTRODUCTION TO TECHNOLOGIES USED**

**(Tech-Stack)**

The technologies which we used in building the “Forms World” web application are as follows:

1. HTML
2. CSS
3. JavaScript
4. React
5. NodeJS
6. ExpressJS
7. MongoDB

**Introduction to Forms World Project**

**”Forms World”** website is a fully-flashed application. It is a way to help out people who are looking for someone to fill up their job application form in a convenient and cost-effective manner. It provides users to apply for forms, payment gateway, check their old purchases. The user only need to complete his KYC only once after the signup process, after that the person filling his form can get the data from there. It also includes OTP verification/validation & payment gateway.

The feature which we include in our Social Media Project are as follow:

* Login/Signup
* OTP verification/validation.
* KYC for uploading documents
* Admin page controlling Active Forms & Users data.
* Fetching of KYC data from database.
* Search user Accounts
* Fetching active forms from the database to the front-end.
* Apply for them with single click.

The main feature of the website is that is user friendly, fast & formal.

Other pages that the website will have been included are:

* Login/Signup
* Landing Page
* Home Page
* KYC
* Services
* Details of Form
* Payment Gateway
* Admin page for accessing and controlling database.

**System Requirements**

**Hardware & Software Requirements**

**Hardware Requirements of the Software**

Processor : Intel i3 or Later

RAM : 4 GB or More

Hard disk : 50GB or more

Monitor : Any Compatible Monitor

Keyboard & Mouse : Any QWERTY Keyboard and compatible Mouse

**Software Requirements are as follows**

Front-End : HTML, CSS, JavaScript, Bootstrap, ReactJS

Backend : ExpressJS, NodeJS

Database : MongoDB

IDE : VS Code

Web-Browser : Mozilla Firefox, Google Chrome, Microsoft Edge

Window : Linux, Windows 7 & later supporting NodeJS.

**Data Modelling Description**

A data model is the conceptual representation of the data structures of that are required by a database. It defines primary data objects, composition, of each data object and attributes of the project, relationships between each object and other object and between objects and processes.

**List of Tables**

1. Users
2. Form
3. Kyc
4. Orders
5. **Users**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Uid | Varchar(255) |
| Username | Varchar(255) |
| Email | Varchar(255) |
| Phone\_no | Varchar(255) |
| password | Varchar(255) |

1. **Form**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Fid | Varchar(255) |
| Title | Varchar(255) |
| Last\_date | Boolean |
| Total Post | Varchar(255) |
| Age\_limit | Varchar(255) |
| Qualification | Varchar(255) |
| Price | Varchar(255) |
| Date-time | Datetime |

1. **KYC**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Kid | Varchar(255) |
| Uid | Varchar(255) |
| Full\_Name | Varchar(255) |
| Aadhar\_No | Number |
| Fathers\_name | Varchar(255) |
| Mothers\_name | Varchar(255) |
| Family\_id | Number |
| Passport\_image | Varchar(255) |
| Signature\_image | Varchar(255) |
| Marksheet\_10th | Varchar(255) |
| Marksheet\_12th | Varchar(255) |
| Domicile\_Image | Varchar(255) |
| Caste\_certificate | Varchar(255) |
| Left\_thumb | Varchar(255) |
| Right\_thumb | Varchar(255) |

1. **Orders**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Oid | Varchar(255) |
| Fid | Varchar(255) |
| Uid | Varchar(255) |
| Payment\_done | Boolean |
| DateTime | Varchar(255) |

**Main Description of the module**

All the above mentioned data are stored in the backend and will be used by the designed algorithms.

**ER-Diagram**

An entity-relationship diagram (E-R diagram) is an abstract and conceptual representation of data. Entity-relationship modelling is a database modelling used to provide a type of conceptual schema or semantic data model rule of a system.

An entity may be defined as a thing which recognized as being capable of independent existence and which can be uniquely identified.

**Data Flow Diagram**

Data flow diagrams (DFD) are part of a structured model in the development of software. They are a graphical technique that depicts information flow and the transforms that are applied as data move from input to output. Basically, the function of DFDs is to show the user a graphical analysis of a software system. It is like a flowchart, except DFDs show the flow of data throughout the system.

**Data Flow Diagram Symbols**

* **:** Data Flow
* **:** Process
* **:** Entity
* **:** Data Store

**Forms World App**

e

User information

**Users**

Active Forms, Orders, Authentication, Payment Gateway

Response

System Maintenance

**Admin**

**0 level – Data Flow Diagram**

Request

Request

Authentication

Response

Response

**Users**

Request

Request

**Kycs**

KYC

Response

Response

Admin

Users

Request

Response

Apply Form

Response

Request

**Forms**

Request

Response

Orders

Request

Response

**Orders**

**1 level – Data Flow Diagram**

**List of limitations which is available in the Forms World Web Application:**

* All the project database still does support Excel export developed for Kyc, Authentication & Orders due to complications.
* The application doesn’t implemented to send notifications to the user devices.
* Updating Kyc of user features are not implemented due to complications.

**Conclusion of the Project Forms World Web Application:**

Our project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enable the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progress.