

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

1. Users

Name	Type
Uid	Varchar(255)
Username	Varchar(255)
Email	Varchar(255)
Phone_no	Varchar(255)
password	Varchar(255)

2. 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

3. 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_10 th	Varchar(255)
Marksheet_12 th	Varchar(255)
Domicile_Image	Varchar(255)
Caste_certificate	Varchar(255)
Left_thumb	Varchar(255)
Right_thumb	Varchar(255)

4. 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

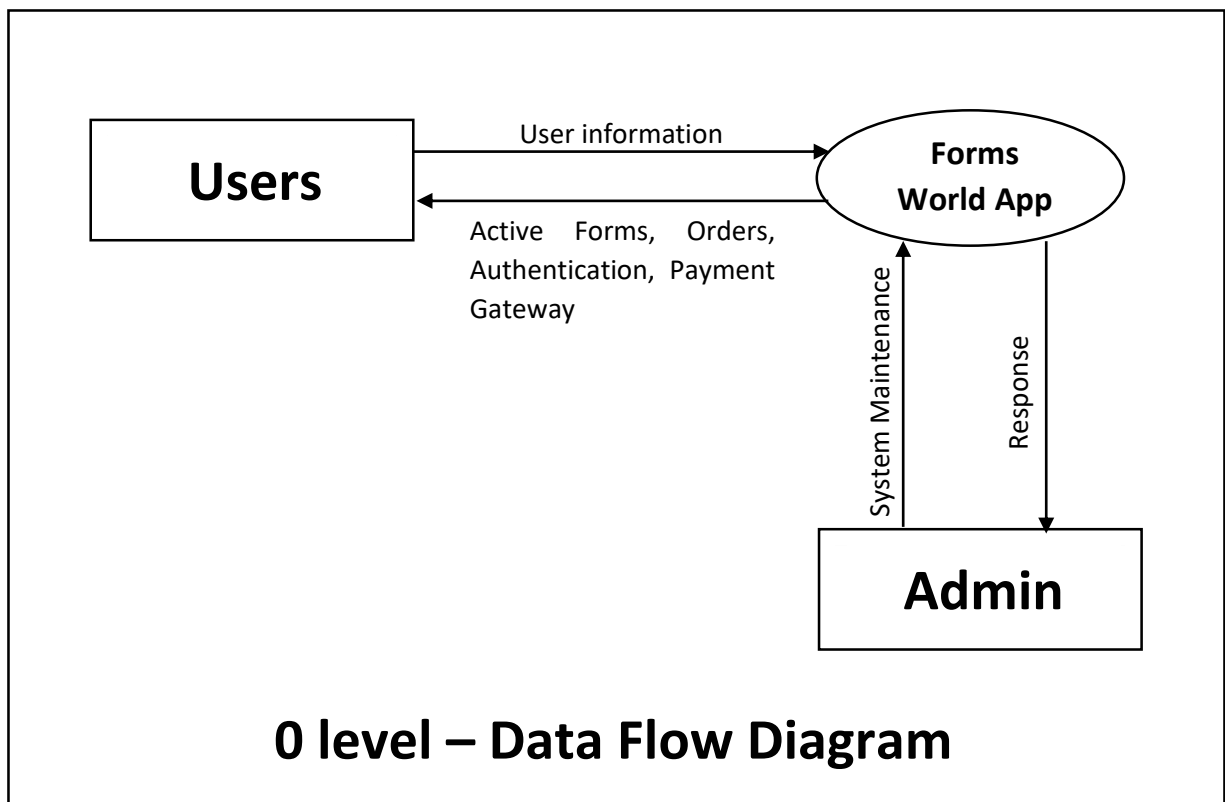
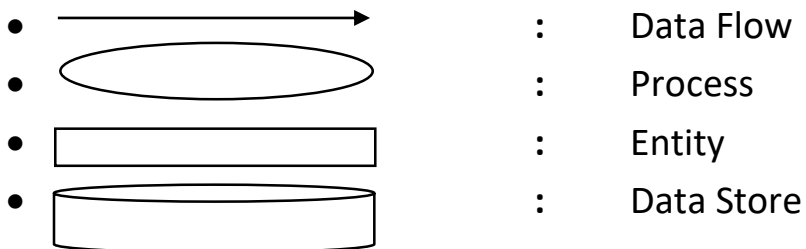
An entity-relationship diagram (E-R diagram) is an abstract and conceptual representation of data. Entity-relationship modelling is a database modelling used to provide a type of conceptual schema or semantic data model rule of a system.

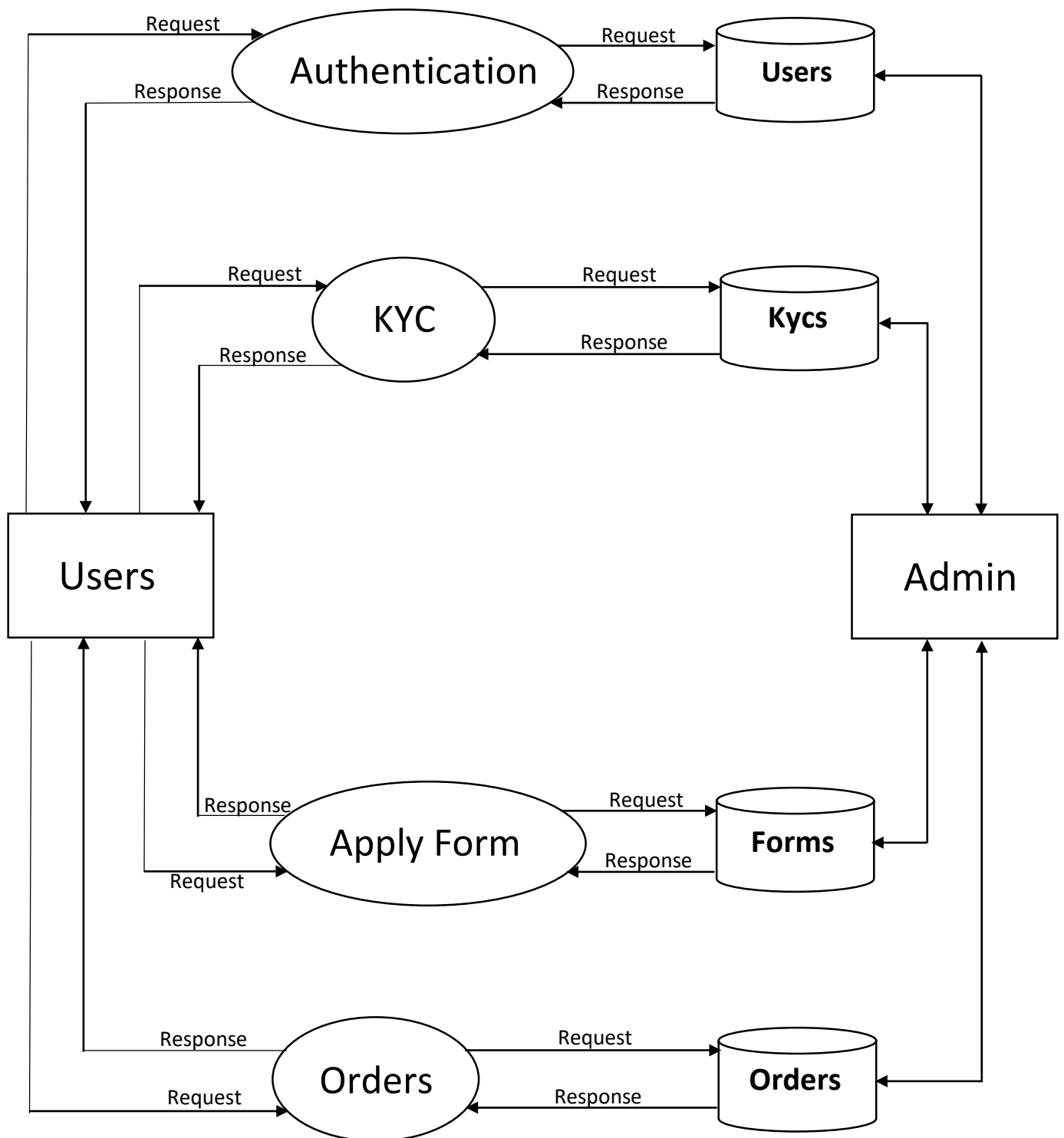
An entity may be defined as a thing which recognized as being capable of independent existence and which can be uniquely identified.

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





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.