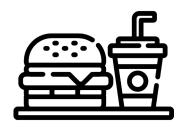
Project report.

CFS

Canteen Food Service.



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PROJECT PLAN.

Major aspect of this project work has been to develop a proper food ordering website which can be used by students to order food from canteen while sitting in their room so as to reduce the waiting time .

I have used node js and mongodb databse to store data of users. The details such as user info, item list, orders placed have been uploaded on mongodb cloud database.

Modules used:-

```
require("dotenv").config();
const express = require("express");
const bodyParser = require("body-parser");
const mongoose = require("mongoose");
const { stringify } = require("querystring");
const session = require("express-session");
const passport = require("passport");
const passportLocalMongoose = require("passport-local-mongoose");
const GoogleStrategy = require("passport-google-oauth20").Strategy;
const findOrCreate = require("mongoose-findorcreate");
const dotenv = require("dotenv");
let alert = require('alert');
const app = express();
```

Database used:-

MongoDB (cloud)

Collections:-

I have made 4 collections in my database.

• **Items:**- To store the items available in canteen at present time. For default purpose i have added only 4 items in my items.

```
const itemsSchema = {
  name: String,
  description: String,
  price: Number,
};
```

• **User:-** To store the information of the registered users.

```
const userSchema = new mongoose.Schema({
  email: String,
  password: String,
  googleId: String,
});
```

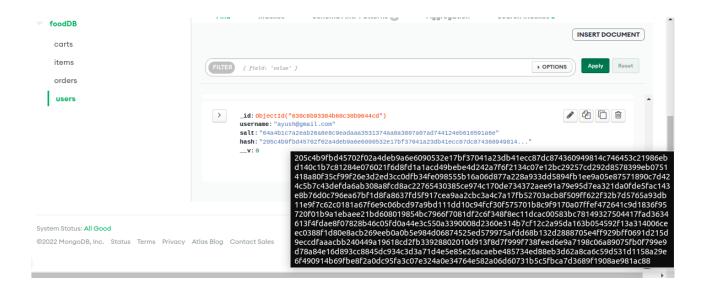
• **Cart:-** A different cart for each user to store the items user wants to order.

 Order:- To store the orders placed by different users this can be used by canteen workers to prepare orders.

Security:-

For security purpose I have used passport module to store the password of user in hashed form. The techniques used are salting and hashing to make the password secure.

I have also used google signin option. This is also a secure login method for my website.

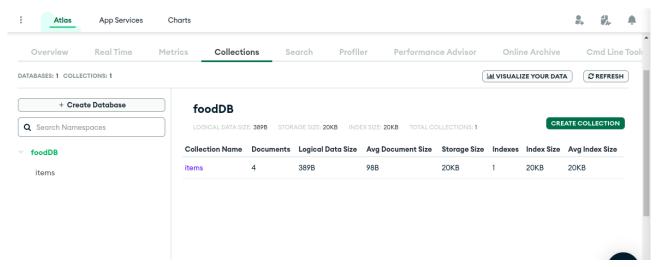


Express:-

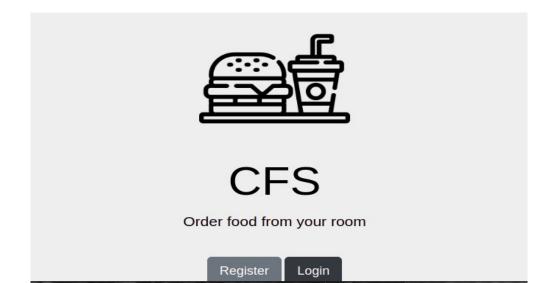
I have made use of express module to display different pages and list of items such as view items in cart or displaying purchased items along with total cost of order, date and time of placing order.

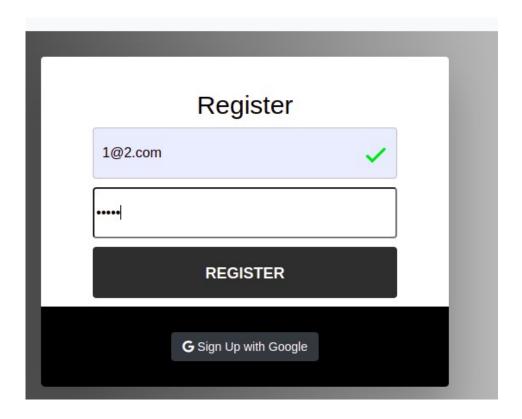
Working of my website:

1. Initially my database has 4 default items and no users, no cart and no orders.



2. From Home page you can register new user or login with previous username and password.

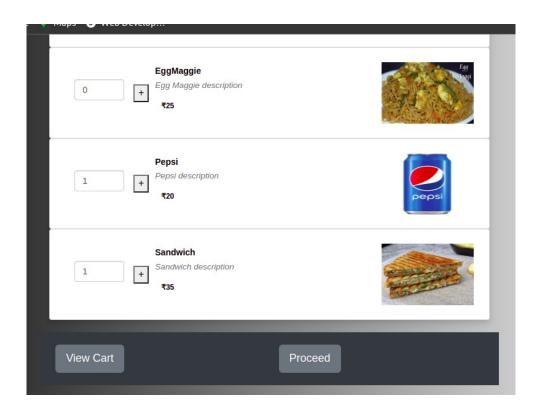


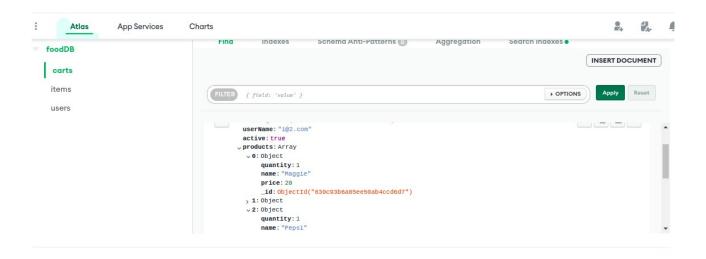


3. After we register new user we can see the details of our new user in our cloud database.

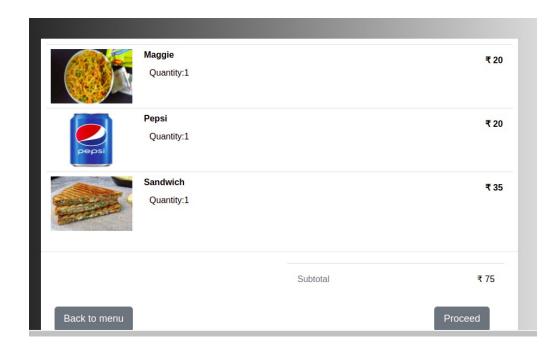


4. We can add items in cart by selecting quantity and clicking on + button to add the items in cart. Every user has a different cart assigned to him after registering on website.

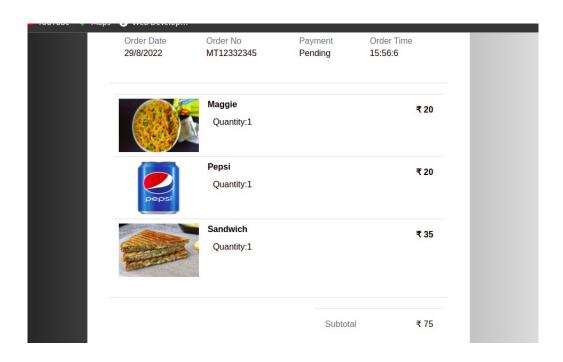




5. User can view cart or place order.



6. By clicking on Proceed button order will be placed for user and new order will be entered in database.



7. In Database you can see placed order.

