Weekly Project Report - 1

**Submitted On** – 23 September, 2021

**Project Name** – Expiry Date Checker

**Technology used** – MERN Stack

Our project is based on the language JavaScript and its frameworks. So last week we studied about JavaScript and one of its framework called Node.js.

We built a login API using Node.js which basically used for the authentication of the user.

**Functions Implemented till now**:

* **Register** – For first-time users, enter name, email, password and confirming password(password2). The name, email, password and password2 will be validated against certain conditions like

if(any field is empty)

if(password != password2)

if(password.length < 6)

* If such conditions aren’t satisfied then it will throw an error.
* Else the user’s email will be checked against already registered emails,
* If user with same email is found, an error will be shown.
* Else, the user’s password will be hashed or encrypted using bcryptjs library and user’s information will be saved to the MongoDB database.
* **Login** – For returning users, enter email and password.

Same procedure of checks and validation but a unique token for that user will also be generated using Passport JS with an expiry of 1 year i.e. user will be signed to the application for an year if they do not logout explicitly.

**Features to be implemented**:

* Design database using Creately and frontend using Figma.
* Implement Frontend using React, Redux

*Users will be able to add new items using barcode scanner and search the items already added.*

* Notify user of the items that are about to be expired.
* Notify user of the items that are already expired.

*Notifications will be sent through WhatsApp and Message using Twilio*