Task Two

We are a small startup company that offers precise and concise news and weather information to our users. We are not a news or weather agency that collects data. We filter the responses from various sources and show them on our mobile app. We need a backend application that fetches data from various sources and sends it to our user's phones. Although we provide weather information without any authentication we need authentication to access news API. So we implement /signup, /login , logout functionality. You are free to manage user sessions however you want For registration, we need the user's email, password, and name.

API Documentation :

1. *User module*

User Model:
- username(String)
  - Auto generated unique value when user creates.
  - Required field.

- password(String)
  - Encrypted password will be stored in db.
  - Required field.

- name(String)
  - Required field.

- phone(String)
- email(String)
- token(String)
  - JWT token will be generated at the time of login.

Added a list of apis for user.
1. Registration of a user
2. Login user
3. Logout user

1. Registration of a user
- In user registration 3 keys are required. Email, Name and Password.
- Unique email Id validation.
  API:
  POST /device/v1/user/signup
  PARAMS:
  name (required), email (required), password (required), phone

2. Login user
- Email and Password is mandatory.
- Token will be generated and can expire in 5 days.
  API:
  POST /device/v1/user/login
  PARAMS:
  email (required), password (required)

3. Logout user
- Delete the token from user.

API:
POST /device/v1/user/logout
PARAMS:
email (required)

2. *News module*

This API of news can only be accessible by authenticated (login users). The API
fetches news or top headlines from news API which is third party
https://newsapi.org/v2/everything api Integration. Implemented search filter if the
user wants to search some particular things or places for news.

API:
GET /device/v1/news/news

PARAMS:
Token (required) search (optional)

3. *Weather module*

This API of news can only be accessible by anyone without authentication. Third party
https://api.openweathermap.org/data/2.5/forecast has has been used to get the last 5
days weather forecast. The API fetches weather forecast via location and default
location is surat currently.

API:
GET /device/v1/weather/weather

PARAMS:
location (optional) (default surat has been set)

Technology

- node.js - evented I/O for the backend
- Express - fast node.js network app framework

Installation

Requires Node.js v10+ to run.

Install the dependencies and devDependencies and start the server.

```
npm i
node server.js
```

Plugins

Instructions on how to use them in your own application are linked below.

README
plugins/github/README.md