Aerchain SDE 3 (FE) Assignment Question

Description

The design is for a trips dashboard where the various trips are shown which are going through various vendors like Gati, Bluedart etc.. The dashboard shows these trips and gives their current status, and there are some counters which show the number of trips based on the status of the trip.

1. Replicate the Design [1].
2. Calculate the counter values from the sample data[2].
3. Calculate the TAT Status based on the following
    a. Ontime - If the etaDays is lesser than or equal to the time taken for trip to run. (TripEndTime will be empty in case of not delivered, calculate based on lastPingTime for these cases)
    b. Delayed - If the etaDays is greater than the time taken for the trip to run.
    c. Others - If eta days is 0/negative.
4. Table View
    a. Table columns are sortable
    b. On selecting different status counters show trips of the selected status.
    c. Delivered counter will be selected by default.
5. Add Trip Form
    a. On submission of the form add the trip to the sample data[2] that you are storing
    b. Add validations to the form
6. Edit Trip Form
    a. Trip status can be updated in this form.
    b. Status flow would be Booked -> In Transit -> Reached Destination -> Delivered. This will update currenStatus and currentStatusCode.
    c. Status Time field will update lastPingTime and if the trip has been delivered then update the tripEndTime as well.

Data sample

```
{
  "data": [
   {
        "_id": "65d5ebadf18f49fe4ef592c2",
        "tripId": "e6115a41-4255-4ed5-9fe1-aaedd665f6e4",
        "transporter": "FedEx",
        "tripStartTime": "2024-02-07T10:59:56Z",
        "currentStatusCode": "RD",
        "currenStatus": "Reached Destination",
        "phoneNumber": 9852934197,
```

```
            "etaDays": 1,
            "distanceRemaining": 716,
            "tripEndTime": "",
            "source": "Mumbai",
            "sourceLatitude": 8.6,
            "sourceLongitude": 73.4,
            "dest": "Nagpur",
            "destLatitude": 36.3,
            "destLongitude": 95.5,
            "lastPingTime": "2024-02-13T10:59:56.000Z",
            "createdAt": "2024-02-06T10:59:56.000Z"
    },
.......
]
}
```

Notes

1. Design - https://www.figma.com/design/63nA95dIZCjj8XJhuo0t53/Untitled?node-id=0-2704&t=POSekWSQMfGkUVoR-1Data - https://drive.google.com/file/d/1pw_7vBlHJHeGxV60LPp0f6kIluG6uM9F/view?usp=sharing
2. Assignement must be in React.js. Bonus points on using Next.js. Sample data shared[2] must be loaded on the UI.
3. You can use MUI or any other library that you feel is suited for the frontend design
4. Push the Code to your Git Account in a Public Repository.
5. Commit your changes with proper messages and push those to the repository every 1 hour.
6. Create a docker container to expose it to port 3000. Add a readme file with steps to run the code.
7. For any queries regarding the objectives of the task mail to Nishit Hirani or Himavanth Jasti