Travel Destination Review With GPS Location App - MERN Stack Challenge

In this challenge, candidates need to create a user travel destination review list where users can upload their various destination reviews along with the GPS location. Users can see the marker on the map based on which all the destination reviews were added.

Requirements:

Front End (React JS)

1. The user should be able to sign up and login with **JWT token authentication**.
2. Add validation for forms, input field wherever required. If possible you can use formik for form validation and form submit.
2. Users should be able to navigate to profile page, home page, destination review page, map page.
3. Use **axios** for api calls and **redux** for state management.
4. Manage state in redux wherever possible.
3. **In home page –**
    - where the user can upload the destination view along with gps location coordinates according to the input field provided.
4. **In profile page –**
    - where the user can view his profile details and update or edit his profile details.
5. **In destination review page –**
    - The user must list the destination review with a table format where a maximum of 10 destination reviews must be there in a single page if it exceeds pagination.
    - The table must contain 5 Columns (Country, Place, Review, Rating, GPS location coordinates) and perform CRUD operation.
    - When the user clicks on any coordinates, It should navigate to the map page and the destination should be shown in the map.
6. **In map page –**
    - the user can see the marker on a map based on the location he is located .

Back End (Nodejs, MongoDB)

1. Establish connection to database (mongo DB)
2. Validate the values wherever required.
2. Jwt token authentication, authenticated routes, password hashing must be included.
3. Image storing into the database must be done in gridfs or base64 format.
4: Follow MVC structure.

Guidelines.

1. User Model: Username, password, email, profile Image, date of birth
2. Destination review Model: Country, Place, Review, Rating (1 to 5), gps location
3. Explore on the internet you might find a better solution.
4. Map reference you can refer to google map service provider or any provider that you're comfortable with.
5. You can use any npm packages, libraries that you are comfortable with.

Approach this problem as if it is an application going to production. We don't expect it to be perfect , but we also don't want you to hack together a throw-away script. This should be
representative of something that you would be comfortable releasing to a production environment.

You may use any npm packages, frameworks, and tools that you think are appropriate.
We are looking for you to demonstrate your knowledge related to common software practices to include reusability, portability, and encapsulation - to name a few.

Submission:
Record the Screen sharing session with explanation for Application demo and code walkthrough (Front end & backend), share the video with us to evaluate.

Timeline to submit: 1 week