Newspaper FullStack Website

Our company focuses on a NewsPaper website. Currently, we are looking for a front-end web developer to build a Newspaper website using React, firebase, react router, node, express, mongodb etc. We are a dynamic and innovative tech company aiming to revolutionize how users consume news. Our new project focuses on developing a comprehensive news aggregation platform that not only delivers trending articles but also offers premium features and a seamless user experience. We are looking for a talented Full Stack Developer to join our team and bring this vision to life.
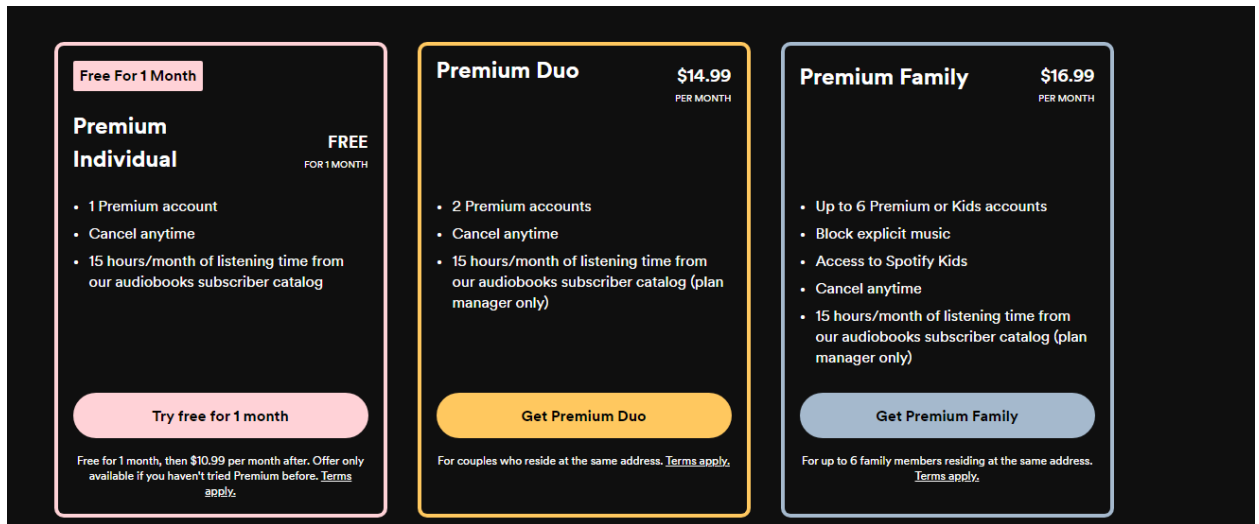
We have a list of tasks for you.

Key Rules:

- Include a minimum of 20 notable GitHub commits on the client side

- Include a minimum of 12 notable GitHub commits on the server side

- Add a meaningful readme.md file with the name of your website, Admin username, password and live site URL. Include a minimum of 10 bullet points to feature your website.

- Make it responsive for all devices. You need to make it responsive for mobile, tablet and desktop views. Make the dashboard responsive as well.

- After reloading the page of a private route, the user should not be redirected to the login page.

- Use the Environment variable to hide the Firebase config keys and Mongodb credentials.

- Don't use any Lorem ipsum text in your website.

- Show sweet alert/toast/notification for all the crud operations, successful authentication login, and sign-up. Don't use the default browser alert.

- Implement tanstack query in all the data fetching functionality (For GET method only)

Main Requirements

Home Page: (Public Route)

1. Home page will have a Navbar,6 Trending Articles (Must Be a Slider),All Publisher, Statistic,Plans and Footer Section
   a.Trending Articles should be calculated based on total articles view (check **Article Details** number 2 point for hint**)**
   b.All Publisher Means all the publisher added by admin (Check admin requirements add publisher point)
   c.Statistic page should show the all user,normal user and premium users count. You must implement with this react-countup
   d.In plans section show the features for free and premium users. Clicking button on the features will navigate to subscription page

You can follow this.

2. Navbar will have the following links:

    a. Home

    b. Add Articles

    c. All Articles

    d. Subscription

    e. Dashboard (this will be conditional show only if user is admin)

    f. My Articles

    g. Premium Articles (this will be conditional show only If user taken Subscription)

    h. User Photo (This will be also a link and clicking this will navigate to my profile)

3. If the user is not logged in, the Login and Register button should show, and if the user is logged in show his profile picture and logout button.

4. Add two extra sections on the home page with the five sections mentioned above.

    a. 💡 Tips: This is the place to shine. Add something different and unique to make your website look different than others. And Make them relevant to your website.

For User:

Add Article Page: (Private Route)

1. Create a form which will take article information like title,image file field,publisher,tags, description and a submit button. **(Note :tags can be static and you have to implement this with [react-select](#)'s multi select , publisher will be a dropdown and it will be all the publisher added by admin. Check admin requirements add publisher point)**
2. Clicking the submit button will post the article **(Note : This won't show on all articles page until admin approves)**
3. Image field will be file type and you have to upload image through imgbb or cloudinary

All Articles Page: (Public Route)

1. All Articles pages will have all the Approved Articles added by all users (Check out requirements all articles point to know about approved articles) .
2. Articles can be filtered by publisher and tags, add a search field to search articles by article title
3. Each article should have a title, image, publisher,description and details button.
4. Clicking the details button user will navigate to article details page
5. You must implement search and filter in the backend.
6. If the article is premium then the card design will be different from normal article **(Note : design will be according to your choice)**
7. If the article is premium and the current user is not taken subscription details button will be disabled

Article Details Page: (Private Route)

1. Article Details page will have all the information about the article like title,image,publisher, long description
2. Every Time user visit a article increase the view count by 1 with update method so you can show the trending news **(Note : take the article id from useParams and update the view count)**

Subscription Page:(Private Route)

1. Show a attractive banner here
2. While taking subscription there will be a dropdown for the period of subscription (dropdown values will be 1 minute (this is for assignment checking), 5 days, 10 days)
3. You can declare any price for your subscription but long period subscription will cost most more price
4. After that subscription period premium user will be normal user
5. Keep a button to take a subscription. On clicking the button navigate to a payment page.
   Hint: To keep the track of a premium user keep an extra property on users collection which can be premiumTaken. For normal users it will be null initially. If a user takes a subscription then current time value will be updated on users premiumTaken. Then every time a user login, check the logged in time with the premiumTaken property. If logged in time is greater than premiumTaken, update the premiumTaken to null again.
   Here is a demo you can take idea of this page from here (don't copy take idea and create your own) : https://i.ibb.co/D4tK364/Capture.png

Premium Articles Page:(Private Route)

1. Show the premium articles here. **(Note : add an extra property with an article. Filter according to that property)**

2. You don't need to implement search or filter features here. Just show the articles with title, image, publisher,description and details button.

My Profile Page:(Private Route)
1. In this page show the information about users and user is able to update the information

My Articles Page:(Private Route)
1. In this show the current user's all the articles in a tabular format
2. In table show serial no,article title,details button,status,isPremium,update button,delete button
3. Clicking the details button will navigate to article details page
4. If article is approved by admin show the status approved,if declined by admin show status declined otherwise status will be pending
5. If the article is declined there will be another button beside the declined text. Clicking that button will open a modal and show the reason which was written by admin while declining
6. Users are able to update and delete articles
7. If the article is premium which will be made by admin, then isPremium will be yes otherwise isPremium will be no

For Admin:

Dashboard Page:(Admin Route)
1. In dashboard page there will be a sidebar with these routes All users,All Articles,Add Publisher
2. Create a dynamic pie chart based on the percentage of publication article made by this [react-google-charts](#) **(Note : If publicationA has 2 article**

publicationB has 3 article and publicationC has 5 article, then in pie chart publicationA will have 20%,publicationB=30% and publicationC=50%)

3. In this page show minimum 2 more different static charts made by this [react-google-charts](#) **(Note : different means if you have to implement different type of chart example: bar chart,line chart,area chart etc)**

All Users Page:(Admin Route)

1. In this page show all the users with following information name,email,profile picture, and Make admin button in tabular format
2. Clicking the make admin button will convert the user from normal user to admin
3. If user is admin show the admin text instead of make admin button

All Articles Page:(Admin Route)

1. In this page show all the articles with following information article title,article author name, article author email,article author photo, Posted Date,status,publisher,approve button,decline button,Delete button,make premium button
2. On Clicking the approve button the article will be published and visible for users,On clicking the decline button there will be a modal appear. In that modal there will be a textarea. Admin will write the reason for decline and post. Users are able to show the reason if the article is declined
3. On clicking the premium button will make the article to premium. Only users with subscription will able to see the article on Premium articles page

Add Publisher Page:(Admin Route)

1. Add a simple form here to add publishers on your website.
2. Publishers are not user or not a role. You can think of a category or brand. Where each article will have a brand or category
3. This form will take two fields publisher name and publisher logo
4. Publisher logo can be image field, Image field will be file type and you have to upload image through imgbb or cloudinary

Authentication:

1. You Must implement Email and password based Authentication. This means, you will have to implement the Registration and the login page.
2. Also, implement at least one extra login which could be (facebook, github, google, etc).
3. Add a 404 page (not found page)
4. On the Login page, display errors when email password authentication fails
5. On the Registration page, display errors when the password :
    a. is less than 6 characters
    b. don't have a capital letter
    c. don't have a special character
    d. don't have a numeric character

Challenge Requirements:

Private Route and JWT:
1. Add Articles , Subscription , Dashboard , My Articles,Profile Page and Premium Articles will be private route
2. Don't show those routes on navbar if user is not logged in
3. Implement JWT authentication with local storage (must have to avoid cookie) on all the private routes.
4. Implement a feature where reloading protected/private routes (after login) does not redirect the user to the login page. Instead, keep the logged-in user on the protected route.

Pagination:
1. Try to implement pagination on admin dashboard pages (all users,all articles)

Limit Post:
1. Normal users can only publish 1 article but if they purchased a premium plan they can post unlimited articles. **(Hint: While adding articles with form, in the server first of all check if the user is a normal or premium user.If the user is a normal user then find on all articles collection and the query will be user email. If you find anything then the user will not be allowed to add an article . But if you find nothing or the user is a premium user you will allow it.)**

Homepage Modal:
1. In the homepage if a user stays 10 seconds in the homepage show a modal for taking subscription **(Hint: Create a boolean state for modal show, initially it will be false. In useEffect write a setTimeout for 10 seconds and after 10 seconds change the state to true. And show the modal according to that state)**
2. In this modal show some text and a button . on clicking the button will navigate to subscription page

Website title:
1. Use your website name on website title with a relevant favicon

404 Page:
1. Add a 404 page

Optional (But Highly Recommended)

1. Implement animation on several sections on your website with this [gsap](#)
2. Use any other component library without daisy ui

3. Create a about us route and there implement a section of your website address with this react-leaflet
4. Create a type writing effect on home page sections title with this react-simple-typewriter
5. Show loaders properly where api is calling to better user experience

What to Submit

1. **Assignment Category/variant:**
2. **Admin email:**
3. **Admin password:**
4. **Front-end Live Site Link:**
5. **Client Side Github Repository Link:**
6. **Server Side Github Repository Link:**