

# Newspaper FullStack Website

assignment12\_category\_0012

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 have a list of tasks for you.

## Main Requirements

### For User:

#### Home Page:

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
  - 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.

Plan	Price	Features	Button
Premium Individual	Free For 1 Month	• 1 Premium account • Cancel anytime • 15 hours/month of listening time from our audiobooks subscriber catalog	Try free for 1 month
Premium Duo	\$14.99 PER MONTH	• 2 Premium accounts • Cancel anytime • 15 hours/month of listening time from our audiobooks subscriber catalog (plan manager only)	Get Premium Duo
Premium Family	\$16.99 PER MONTH	• Up to 6 Premium or Kids accounts • Block explicit music • Access to Spotify Kids • Cancel anytime • 15 hours/month of listening time from our audiobooks subscriber catalog (plan manager only)	Get Premium Family

You can follow this.

2. Navbar will have the following links:
  - a. Home
  - b. Add Articles
  - c. All Articles
  - d. Subscription
  - e. Dashboard (if user is admin)
  - f. My Articles
  - g. Premium Articles (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.

#### **Add Article Page:**

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 with this [react-select](#)'s multi select , publisher will be a dropdown and it will be all the publisher added by admin)**
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 clouinary

#### **All Articles Page:**

1. All Articles pages will have all the Approved Articles added by all users in an infinite scrolling system. **(Note : watch this [video](#) for infinite scrolling)**
2. Keep minimum 20-25 articles while submitting assignment to check the infinite scrolling system
3. Articles can be filtered by publisher and tags, add a search field to search articles by article title
4. Each article should have a title, image, publisher,description and details button.
5. Clicking the details button user will navigate to article details page
6. You must implement search and filter in the backend.
7. If the article is premium then the card design will be different from normal article **(Note : design will be according to your choice)**
8. If the article is premium and the current user is not taken subscription details button will be disabled

### Article Details Page:

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:

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.**

### Premium Articles Page:

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:

1. In this page show the information about users and user is able to update the information

### My Articles Page:

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. If article is approved by admin show the status approved,if declined by admin show status declined otherwise status will be pending
4. 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
5. Users are able to update and delete articles

6. 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:

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:

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:

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 be able to see the article on Premium articles page

### Add Publisher Page:

1. Add a simple form here to add publishers on your website.
2. This form will take two fields publisher name and publisher logo
3. Publisher logo can be image url field, You can also take file field and upload image on 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

## **You must do the following:**

### **Git Commits and Readme:**

1. Create a meaningful readme for your project, including at least 5 bullet points explaining your project. Also, ensure you have:
  - a. A minimum of 20 meaningful git commits on the client-side repository.
  - b. A minimum of 10 meaningful commits on the server-side repository.
  - c. Live site url and name on readme

### **404 Page:**

1. Add a 404 page

### **Responsive Design:**

1. Make the homepage of your website mobile and desktop responsive.
2. Tablet responsiveness is optional.

## **Bonus 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 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)

**Tanstack query:**

1. Instead of loader and useeffect use tenstack query for data fetching on all over the GET methods on your projects

**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

**Toasts:**

1. Use toasts or sweet alerts on all the crud operation success/error messages and login / signup success/error instead of alert.

**Website title:**

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

## Optional (But Highly Recommended)

Implement any of two task

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:** assignment12\_category\_0012
2. **Admin email:**
3. **Admin password:**
4. **Front-end Live Site Link:**
5. **Client Side Github Repository Link:**
6. **Server Side Github Repository Link:**

