







# **Display PDF documents in React**

Create an interactive PDF viewing experience in your React app! Learn different approaches and libraries to display and customize PDF documents. #React #PDFViewer

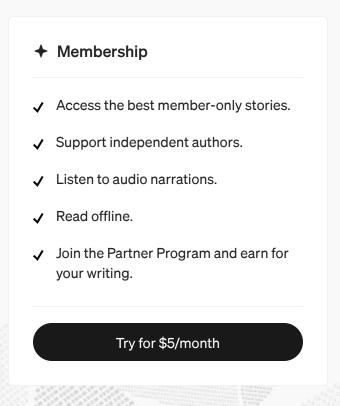


Theodore John.S · Follow 5 min read · Jul 10, 2023

# • Medium

Sign up to discover human stories that deepen your understanding of the world.

# Free ✓ Distraction-free reading. No ads. ✓ Organize your knowledge with lists and highlights. ✓ Tell your story. Find your audience.





# **•** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- ✓ Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- ✓ Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.

This method works well for basic scenarios, but it has limitations. The `<iframe>` element relies on the user's browser to handle PDF rendering, which may vary in terms of functionality and user experience.

### **Advantages:**

### • Simple implementation:

Embedding a PDF document using <iframe> is straightforward and requires minimal code.

### • Browser compatibility:

Since the rendering of the PDF file is handled by the user's browser, it ensures compatibility across different browsers.

### **Disadvantages:**

# **Ol** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.

With `react-pdf`, you have the ability to render specific pages, customize the layout, and handle user interactions easily.

# • Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- ✓ Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- ✓ Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- ✓ Read offline.
- Join the Partner Program and earn for your writing.

### **Enhancing the PDF viewing experience:**

To further enhance the PDF viewing experience, you can add additional functionality and user interactions. For example, you can implement features like pagination, table of contents, highlighting, and annotations.

To achieve this, you can combine React with other libraries like 'pdfjs-dist' or 'pdf-lib'. These libraries provide low-level APIs for manipulating PDF documents, extracting text, adding annotations, and more. You can use these libraries to create custom components and build a rich PDF viewer tailored to your specific requirements.

### **Advantages:**

• Tailored functionality:

# **Ol** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- ✓ Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.

### Some best practices to consider:

- Optimize PDF File Size:
  - Compress the PDF documents to reduce their file size. This helps in faster loading and improved performance.
  - Consider removing unnecessary elements or pages from the PDF files to minimize their size.

### • Lazy Loading:

— Implement lazy loading techniques to load the PDF document only when it becomes visible to the user. This approach improves initial page load time and reduces the overall resource consumption.

### • Use PDF Viewer Libraries

- Utilize PDF viewer libraries like react-pdf or pdf.js to handle PDF

# • Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- ✓ Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.

Handle errors gracefully when loading or rendering PDF documents.
 Display informative error messages or fallback content to provide a good user experience in case of any issues.

### **Security Considerations:**

• Be cautious when handling sensitive or confidential PDF documents.

Implement appropriate security measures to protect the documents from unauthorized access or downloads.

### **Testing:**

- Perform thorough testing of your PDF viewer component across different browsers and devices to ensure consistent behavior and compatibility.
- Test with various PDF document types and sizes to verify the

# **••• Medium**

Sign up to discover human stories that deepen your understanding of the world.

# Free ✓ Distraction-free reading. No ads. ✓ Organize your knowledge with lists and highlights. ✓ Tell your story. Find your audience.

# ✦ Membership ✓ Access the best member-only stories. ✓ Support independent authors. ✓ Listen to audio narrations. ✓ Read offline. ✓ Join the Partner Program and earn for your writing.

create a seamless PDF viewing experience for your users within your React application.

. . .

Hope the above article gave a better understanding. If you have any questions regarding the areas I have discussed in this article, areas of improvement don't hesitate to comment below.

• • •

[Disclosure: This article is a collaborative creation blending my own ideation with

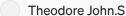
# **Oli Medium**

Sign up to discover human stories that deepen your understanding of the world.

### Free

- Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.



# Implementing Automatic Redirects After Login in React—Protected...

Lets learn how to implement automatic redirects after login for a smoother, more...



# Mastering Number Formatting in JavaScript

Lets explore the world of JavaScript number formatting functions and make numbers...

# **Ol** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- ✓ Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- ✓ Read offline.
- Join the Partner Program and earn for your writing.

See all from Theodore John.S

### **Recommended from Medium**

# **Ol** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- ✓ Access the best member-only stories.
- Support independent authors.
- Listen to audio narrations.
- Read offline.
- Join the Partner Program and earn for your writing.

Surajan Shrestha in readytowork-org

# Implementing a QR Code Scanner in React

Let's use the qr-scanner package to implement our own lightweight QR Scanner i...

9 min read · Jan 7, 2024

(iii) 72





Laleet in codingmountain

# How to create PDF on the React App

I'm utilizing a well-known pdf-renderer pdfrenderer, library in my React app to generate...

6 min read · Oct 20, 2023

Ct.

335



 Image: Control of the control of the

# • Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- ✓ Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- ✓ Read offline.
- Join the Partner Program and earn for your writing.

# **Ol** Medium

Sign up to discover human stories that deepen your understanding of the world.

### Free

- Distraction-free reading. No ads.
- Organize your knowledge with lists and highlights.
- ✓ Tell your story. Find your audience.

- ✓ Access the best member-only stories.
- Support independent authors.
- ✓ Listen to audio narrations.
- ✓ Read offline.
- Join the Partner Program and earn for your writing.