

# Zucol: React Assignment

## 1: Setting up Instructions:

1. Create a new React project using React JS.
2. Set up a GitHub repository for version control and share the repository link with us.

## 2: PDF Viewer Component:

Create a document viewer component in React JS that allows users to view documents with advanced functionalities such as scrolling through multiple pages, zooming in and out, and adding bookmarks. This task requires a proficient understanding of React JS, PDF rendering, gesture handling, and state management. The goal is to build a feature-rich PDF viewer that provides a seamless reading experience, renders PDF pages on the screen simultaneously, and offers a robust solution for viewing documents dynamically.

## 3: Requirements:

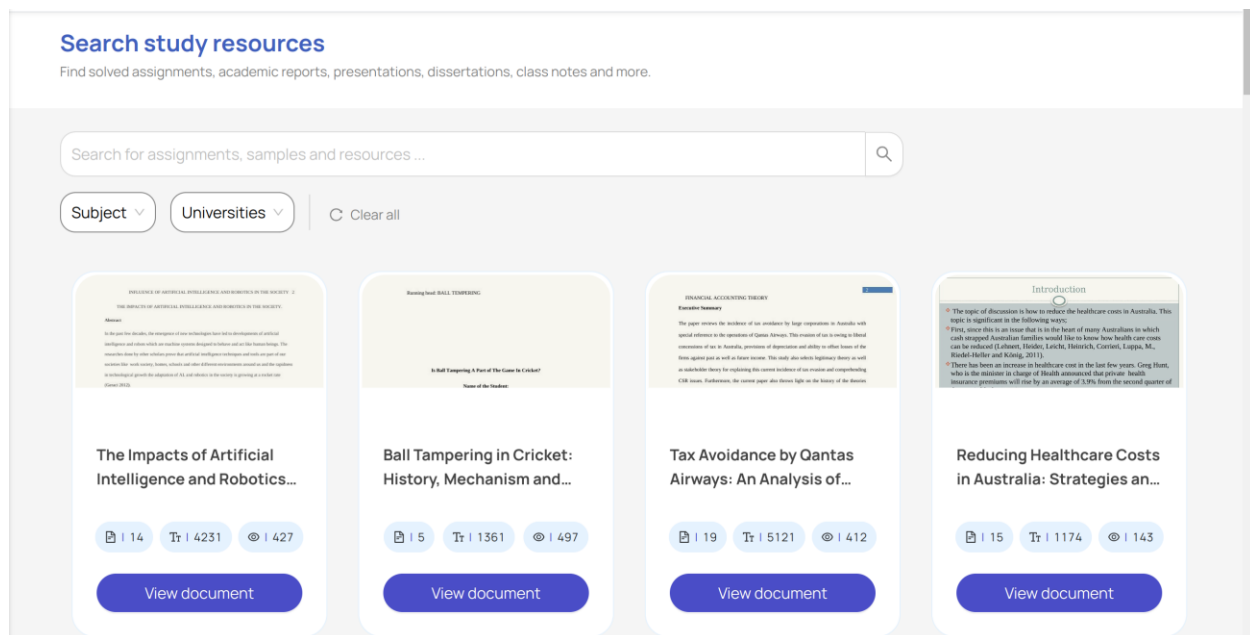
3. **Document List Page:** Create a list page of documents, and when a user clicks on a document, the main document page should open to render the PDF.
4. **PDF Rendering:** Implement a mechanism to render PDF documents within the React application.
5. **Multi-page Display:** Enable the viewer to render and display multiple pages of the PDF document simultaneously on the screen, with the capability to dynamically fetch data through any API source.
6. **Scrolling:** Implement scrolling functionality to navigate through the pages smoothly. The page count should dynamically adjust based on the available space on the screen.
7. **Zoom In/Out:** Allow users to zoom in and out of the PDF pages for better readability. Implement intuitive zooming controls.
8. **Bookmarking:** Provide the ability to add bookmarks to specific pages for quick access later. Users should be able to add, remove, and manage bookmarks easily.
9. **UI/UX Design:** Design an intuitive user interface that facilitates easy navigation, zooming, and bookmarking.
10. **Performance Optimization:** Optimize the performance of the PDF viewer component to ensure smooth rendering and interaction, even when displaying multiple pages simultaneously.

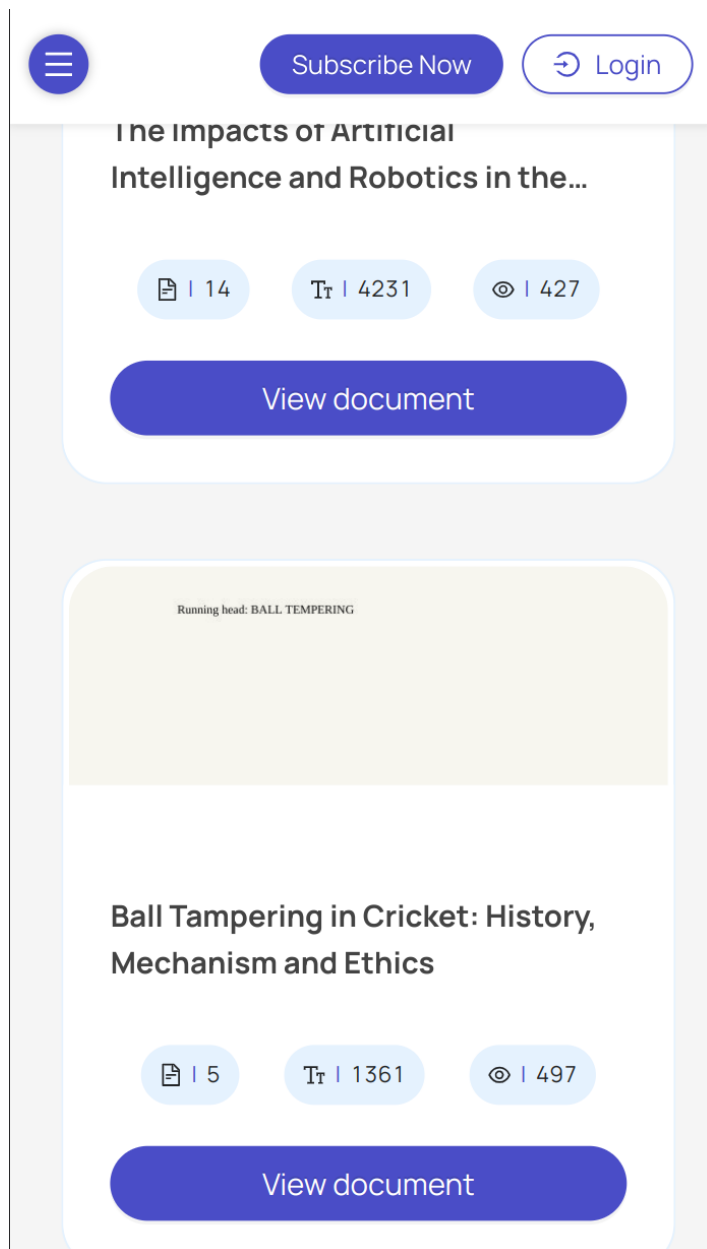
11. **Error Handling:** Implement error handling mechanisms to gracefully handle any unexpected errors or loading issues with PDF documents.
12. **Data Fetching:** Use any API for fetching the document data.

### Note:

- The design should match the reference image provided, ensuring a seamless experience for both web and mobile platforms.

### List page for web and mobile platforms:





**Document page for web and mobile platforms:**

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style is adopted. In this assignment, the features of an effective team will be described and attributes and skills of leadership will be explained will discussed as well. Lastly, the assignment