PlayPro - Community and Networking Features

The suggested readings and topics are designed to be relevant throughout the PS-1 period. Engaging with these resources, including articles and videos on both theoretical concepts and practical implementations, could be beneficial in laying a strong foundation for your projects. These materials may help students acquire essential knowledge and skills that could prove useful as they tackle their specific project tasks.

Topic	Preliminary Learning Focus	Relevance to Project
Web Development	Learn basic web design principles, HTML, CSS, and JavaScript	Explore how these skills contribute to building user interfaces for community features.
Backend Development	Understand server-side programming with Node.js and database management	Investigate how backend development supports data integrity and user privacy.
Frontend Development	Explore interactive design and responsiveness in web applications	Determine the impact of frontend design on user engagement and interaction.
User Interface Design	Study the basics of UI design, focusing on usability and aesthetic	Learn how effective UI design enhances user experience and community interaction.
Basic Web Testing Tools	Get acquainted with tools like Postman and browser developer tools	Explore how to use these tools to test and debug web applications during development.

As we progress through the project, we will consider various potential implementations and evaluate different tools. This exploration might include identifying the most suitable tools for specific tasks within each project. The process will be dynamic, with opportunities to test and refine approaches to discover effective solutions for the challenges encountered.

Task	Tools	Description
Design User Interfaces	Figma, Adobe XD	Create wireframes and prototypes for forums, messaging systems, and networking features.
Develop Backend	Node.js, MongoDB	Implement server-side logic and database for user data handling and

		privacy.
Integrate Frontend with Backend	React, Axios	Connect frontend interfaces with backend services using API calls.
Conduct Usability Testing	Jest, Selenium	Perform usability and functional tests to ensure smooth user interactions.
Deploy Application	Heroku, Netlify	Deploy the application on cloud platforms for public access and testing.