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## Next.js (Day 1-3)

### Day 1: Introduction to Next.js

- Set up a basic Next.js project.
- Learn about file-based routing and pages in Next.js.
- Practice state management with useState hook.
- Understand the concept of SSR (Server-Side Rendering) and ISR (Incremental Static Regeneration).
- Create dynamic routes and fetch data with getStaticProps and getServerSideProps.
- Build a simple blog website using Next.js.

### Day 2: Next.js Advanced Features

- Learn about API routes in Next.js
- Explore authentication and authorization using Next.js.
- Understand how to deploy a Next.js application.
- Practice SEO optimization techniques in Next.js.
- Build a medium-sized application with ISR, and API routes.

### Day 3: Optimization and Deployment

- Learn about performance optimization techniques in Next.js.
- Practice code splitting, lazy loading, and image optimization.
- Deploy the Next.js application to a production environment.
- Core Form Validation Like Formik & React Hook Form

## React Native (Day 4-6)

### Day 4: Introduction to React Native

- Set up a basic React Native project using React Native CLI.
- Learn about components, props, and state in React Native.
- Understand the difference between React.js and React Native components.
- Build a simple mobile application with basic UI components.

### Day 5: Styling and Navigation in React Native

- Explore styling techniques using Style Sheet and third-party libraries like styled-components.
- Learn about navigation in React Native using React Navigation.
- Practice creating stack navigators, tab navigators, and drawer navigators.
- Build a medium-sized mobile application with multiple screens and navigation.

### Day 6: Advanced Concepts and Deployment

- Learn about handling user input and forms in React Native.
- Understand how to use Async Storage for local storage.
- Explore native device features like camera, geolocation, and push notifications.

- Deploy the React Native application to iOS and Android devices for testing.

<b>React.js (Day 7-9)</b>
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**Day 7: Introduction to React.js**

- Set up a basic React.js project using Create React App.
- Learn about React components, JSX, TSX syntax, and props.
- Create simple functional and class components.
- Practice state management with useState hook.
- Build a small application with basic UI components.

**Day 8: Intermediate React.js Concepts**

- Practice handling events and forms in React.
- Explore React hooks like useEffect for side effects.
- Understand context API for global state management.
- Build a medium-sized application with Stateless components and interactions.

**Day 9: Advanced React.js Concepts**

- Learn about React Router for client-side routing.
- Explore advanced hooks like useMemo and useCallback for performance optimization.
- Practice code splitting and lazy loading for optimizing bundle size.
- Build a more complex application with routing, state management, and optimized performance.