Student Name,youdong

Course,[Your Course Code]

Assignment,React Development Learning Log

Date,October 6 2025

Timestamp,Role,Topic Category,Question Asked,Response Summary,Key Concepts Learned

10:00 AM,Student,React Hooks - useEffect,"Why do we need eslint-disable-next-line for useEffect with filterByType function?","Assistant explained the dependency array issue and provided three solutions: (1) Move function inside useEffect, (2) Use useCallback hook, (3) Use useMemo for computed values","Dependency arrays, function recreation on render, closure issues"

10:05 AM,Student,ESLint Rules,"Why does ESLint warn about missing dependencies?","Assistant demonstrated that the warning identifies real bugs - functions are recreated every render causing stale closures. Showed concrete example of how missing dependencies lead to using outdated state values","ESLint exhaustive-deps rule, stale closures, React re-render behavior"

10:10 AM,Student,HTTP Requests - Axios,"How to use Axios API with TypeScript?","Assistant provided comprehensive guide including: basic HTTP methods (GET/POST/PUT/DELETE), TypeScript type safety, creating Axios instances with baseURL, interceptors for auth tokens, error handling patterns","Axios configuration, HTTP methods, TypeScript generics, API interceptors"

10:15 AM,Student,Error Handling,"How to combine Axios with try-catch for error handling?","Assistant explained proper error handling using axios.isAxiosError(), distinguishing between response errors (4xx/5xx), network errors, and unexpected errors. Showed React state integration patterns","Try-catch blocks, axios.isAxiosError(), error types, React error state management"

10:20 AM,Student,Routing - React Router,"How to use react-router-dom to route ListView, GalleryView, and DetailView pages?","Assistant provided complete routing setup: BrowserRouter configuration, Routes and Route components, navigation methods (Link/NavLink/useNavigate), URL parameters with useParams, Layout pattern with Outlet, query parameters with useSearchParams","React Router DOM, declarative routing, URL parameters, programmatic navigation, nested routes"

10:25 AM,Student,Documentation,"Request for conversation log in CSV format for submission","Assistant created structured CSV log documenting the learning session","Academic documentation, learning logs"

Total Topics Covered,6

Total Duration,25 minutes

Technologies Learned,"React Hooks, Axios, React Router, TypeScript, ESLint"