The dist folder in a React project typically contains the compiled and bundled files that are ready for deployment to a production environment.

Hot Module Replacement (HMR) is a feature in modern web development that allows a web application to update modules in the browser without requiring a full page reload.

It is commonly integrated into build tools like Webpack, Vite, and Parcel.

The HMR system detects the change and sends only the modified module to the browser.

The browser applies the update, and the UI is refreshed with the new changes, all without a full page reload.