

Title : iLand Web Application

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## ABSTRACT

*At present, data management within T.C.C. Technology Co., Ltd. lacked a structured and secure system for storing and accessing land-related information, leading to operational delays and verification errors. To address this issue, the iLand Web Application was developed as an integrated land information management system to improve data accessibility, security, and efficiency within the organization.*

*In this project, the trainee was assigned to develop key features, including main page search functionality, document withdrawal and return management, tax report display, tax rate history tracking, and CRUD operations for building information, building types, main categories, and tax rate data. The trainee was responsible for frontend development using React and TypeScript, with Mantine as the user interface library to ensure a modern and user-friendly design. After implementation, functional testing was conducted, and the results confirmed that the system operated according to specified requirements.*

*Through this cooperative education experience, the trainee applied academic knowledge in a real organizational environment and contributed to improving the usability and efficiency of land-related data management within T.C.C. Technology Co., Ltd.*

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