

Title : iLand Web Application

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## ABSTRACT

This project focuses on developing and improving features of the iLand web application for land management for the TCC Group. My responsibility involved developing APIs to support a variety of new core features. These contributions included implementing systems for editing building information, displaying deed tax data, and developed the functionality for adding, editing, and displaying project details, as well as managing main-category and sub-category. Additionally, I also implemented a search for deed numbers and building names, alongside a management system for tracking building statuses during mortgage and redemption processes. On the technical side, the application utilizes a high-performance Go backend powered by the Fiber framework to ensure low latency and scalable API handling with PostgreSQL as the database management for relational databases. The frontend was developed using React, providing a type-safe environment and a responsive user interface capable of managing complex data sets. Ultimately, the features developed by the developer have been deployed in the iLand web application, making land management more convenient than the current system.

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