



# GRADUATION PROJECT

## TRNC HOME SPOTTER

### Introduction

The main aim of this project is to build up a real estate web application for the TRNC (Turkish Republic of Northern Cyprus). The major outlook behind project this project is to develop a web application which makes apartments and residential buildings easier to access in the TRNC. Real estate agents in the TRNC can be challenging on individuals as there is no preciseness in services rendered. Therefore, this project addresses a web application which provides its users access to detailed information on properties, including prices, pictures, locations, and a comment section.

### Methods & Materials

- **Node.js:** Backend development runtime environment, facilitates server-side operations
- **Visual Studio Code:** Feature-rich code editor, aids GUI and API development.
- **PostgreSQL:** Open-source relational database management system for data storage.
- **React.js:** JavaScript library for building dynamic user interfaces.
- **Figma:** Design tool for visually attractive website and app layouts.
- **Git:** Version control system for tracking codebase modifications and collaboration.

### Conclusion

The TRNC home spotter project aims to create a web application that helps anyone interested in purchasing a property in the TRNC. Leveraged with JavaScript, this project aims to simplify the search process in the TRNC thereby implementing time management, increased accuracy, creating a social interactive community and an increased rate of user's satisfaction.

### References

[1] Chen, J., & Liu, Y. (2016). A smart contract based on blockchain for the rental of apartments. In 2016 IEEE international conference on Cloud Computing and Intelligence Systems (CCIS) (pp. 293–296). IEEE

[3] R. K. Patel, "How to design a home rental webapp using PHP and MYSQL," IEEE Softw., vol. 40, no. 2, pp 10–15, Mar./Apr. 2023

[2] Lee, J., & Lee, J. (2015). Developing and validating a citizen-centric typology for smart city services. Government information Quarterly, 32(4), 453–463.

[4] European Data Protection Supervisor.

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