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HOUSE/APARTMENT SWAP APPLICATION

Home project in subject building Distributed Systems

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Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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1. Application overview

1.1 Introduction

This application was created with the aim of making it easier for people to find new place (house/apartment) where they can live and change their old one.

Application enables users to list their homes or apartments and browse through listings from other users.

The application allows users to filter their search based on various criteria such as location, size, and condition. Once a user has found a suitable listing, they can contact the owner to arrange the swap. The basic principle of operation for this application is to facilitate the exchange of homes or apartments between two parties.

Users can create a listing for their home or apartment, indicating their desired swap location, dates, and any additional details about the property. Other users can then browse these listings and contact the owner directly to propose a swap. The final details of the swap, such as any rules or expectations, are agreed upon between the two parties.

1.2 ERD

hajus-projekt

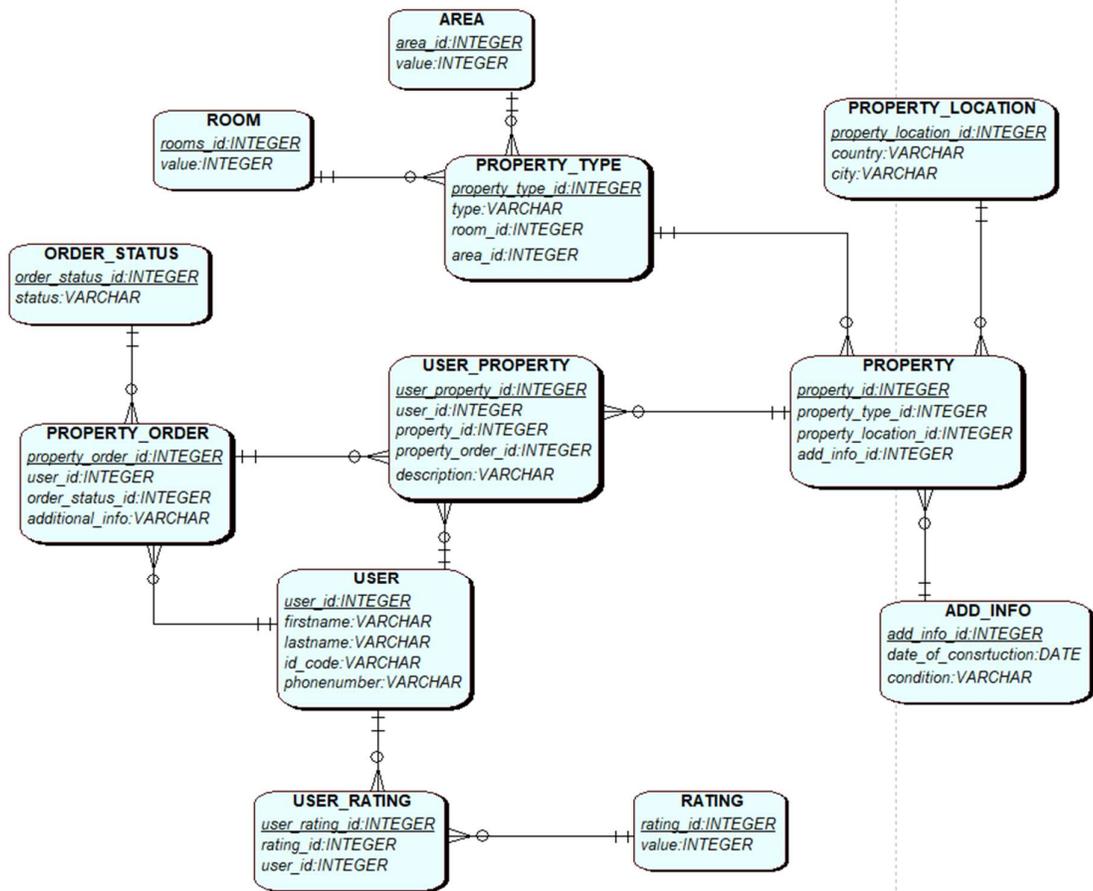


Figure 1. ERD scheme

1.3 UI mocups

Home screen

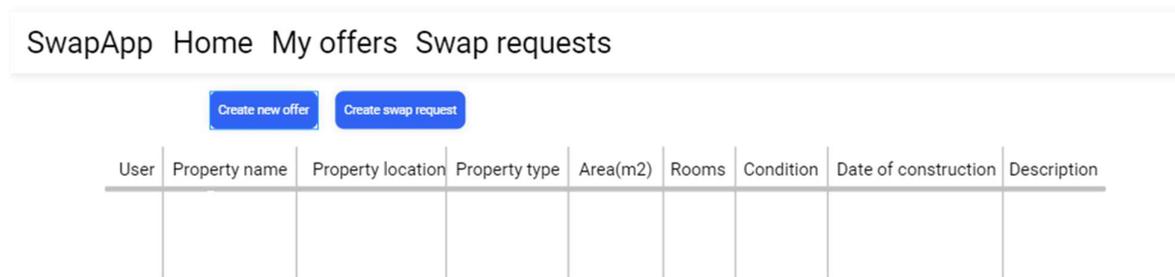


Figure 2. Home screen

New offer creation

Create a new offer

Property name

Property city

Property country

Property type

Property area

Property room

Figure 3. Offer creation

Swap request

Create swap request

Source property

Dropdown ▾

Target property

Dropdown ▾

Figure 4. Swap request creation

Specific user properties / Available swap requests

SwapApp Home My offers Swap requests

[Create new offer](#) [Create swap request](#)

User	Property name	Property location	Property type	Area(m2)	Rooms	Condition	Date of construction	Description

Figure 5. Specific user properties / Available swap requests