



# **EasyRent**

## **Distributed systems project**

Student: Mikhail Drobyshv

Student code: IVSB194442

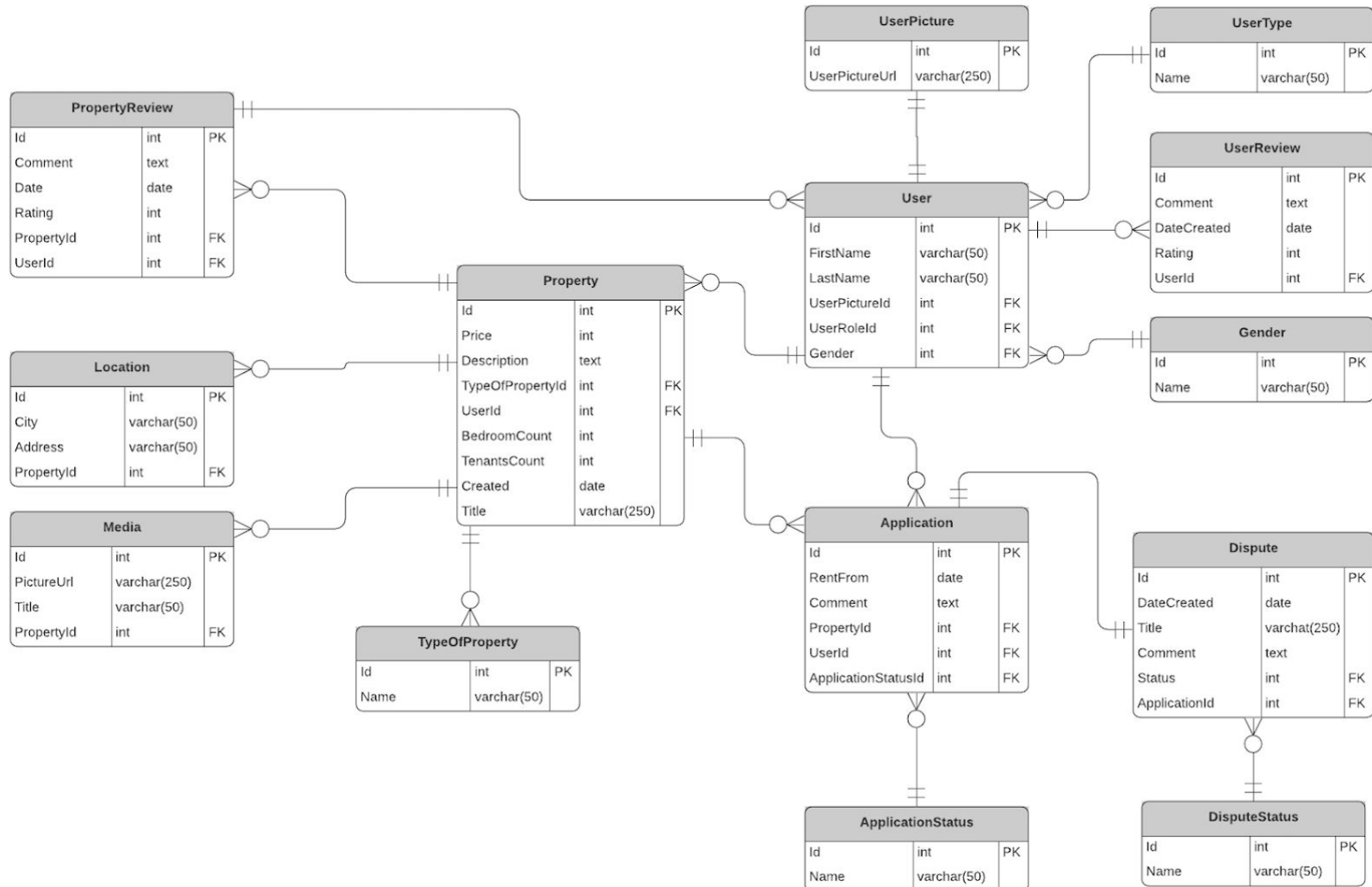
Tallinn 2021

<b>Introduction</b>	<b>3</b>
<b>ERD</b>	<b>4</b>
<b>Workflow</b>	<b>4</b>
<b>Functionality</b>	<b>7</b>
Basic	7
Future	8

## **Introduction**

The project is a rental service. The based way to describe it is airbnb for long-term rent. Currently Estonian as well most of other countries' market is limited to web pages hosting available flats to rent. Considering such limitations people often struggle to find a decent place to settle in. This project aims to provide a user friendly environment as well as record tracking for potential landlords and tenants. Also it will cover lack of flat sharing service. Most people looking for an affordable room face inconvenience or inability to find a flatmate and the app is going to sort of those issues by providing an opportunity to rent places together and keep track. Having user reviews and rating it becomes much easier to understand whether the potential flatmate is an easy-going person or not.

## ERD



## Workflow

After a simple registration there will be two options. The user can be a tenant or a landlord. The former uses basic web application functionality while the latter is responsible for providing his property for rent. The process is quite simple. First step is to find a suitable place to rent. After that a request is sent to the landlord. The owner of the property has time to decide to proceed or to reject the application. All movements are tracked and displayed as application status.

# Easy Rent

My Applications

Profile

## Filters ▲

- ☐ 1-room
- ☐ 2-room
- ☐ House
- ☐ Private flat

sort by ▼



Flat share, Tartu. Cozy 4-room flat in the city centre

Feel free to contact us and sign up for interview



flatshare@gmail.com

4.2 ★★★★★ 5 reviews

Request



Flat share, Tallinn. Lovely 3-room flat in Old Town

Contact us any time from 9-22



oldtown@gmail.com

4.0 ★★★★★ 3 reviews

Request

# Easy Rent

My Applications

Profile

Flat share, Tartu. Cozy 4-room flat in the city centre



## Request Form

Moving in from:

Comment:

Confirm



Application Status: Pending

Cancel



Application Status: Approved

Cancel



Flat share, Tallinn. Lovely 3-room flat in Old Town

Contact us any time from 9-22



oldtown@gmail.com

4.0 ★★★★★

3 reviews

Some User ★★★★★  
Nice place. Friendly neighbours

Another User ★★★★★  
Good landlord

Third One ★★★★★  
My oven was broken and the owner fixed it quickly

# Functionality

## Basic

- Landlords are able to see users who sent a request to rent their property
- Users are familiar with the conditions. They see availability of the property when it was published. Rating of the place//landlord
- User can see how many people already live in the place (in case it is flat share)
- It is simple to send a request and contact future landlord
- User can find all his applications and their status in a separate tab
- There is a possibility to report and open dispute if the place does not match description and any other parameters

## Future

List of features the project will possibly include but at the time it is either unknown how to implement then or unclear whether it is a necessary or not

- Interactive map that shows all available places
- Rental history. E.g. 2014-2015 user “N” rented a flat in Tartu. 2017-2019 user “N” shared a flat in Tallinn
- Favorites. This well-known heart icon so users can add their favorite places to the list
- Detailed feedback. In process or at the end of contract, the tenant not only leaves comment and rating but fills up a huge form and provides all sorts of experience regarding the place. Motivation would be some extra points to the account or something else
- Embedded chat for communication