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| Project pitch | Looking for a study programme in the south of the Netherlands | Fontys  University |
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# Project name: HouseHunters

## Description

HouseHunters is a real estate application aimed towards both agencies and private sellers. It resembles a marketplace where properties can be listed by their owners (or on behalf of them) and interested buyers can bid on those properties. Once the listing expires, the highest bidder has the right to buy the property.

## Mock-up

A screenshot of a computer

Description automatically generated

## FRs

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| **Functional requirement** | **Description** |
| **Login/Register** | Users will be able to register and login in the application |
| **(CRUD) Listings** | Users will be able to manage their listings only. Administrators can modify any listing. |
| **Bids** | Users who are not the owners of their listing can place bids. Once the bidding is over, the highest bidder is concidered the winner. |
| **Comments** | Users will be able to post comments for listings. |
| **Administrators** | Administrators are not limited to any functionality within the application |

## Non-FRs

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| **Functional requirement** | **Description** |
| **Security** | Application needs to be secure with no vulnerabilities |
| **Stability** | Application must not contain any major bugs that degrade the user experience |
| **Availability** | The application must be able to support many concurrent users (aiming for 100 000) at once. |
| **Downtime** | The application must experience minimal downtime in case of a technical issue |

## Stack

Frontend – React (Javascript + Typescript)

Backend – Microservices + Express + Typescript

Database – MongoDB (NoSQL)

Kubernetes

Google Cloud – Bucket + Deployment