

CASTLE APARTMENTS



Castle Apartments

A new real estate company has emerged called **Castle Apartments**. The company is coming in at full force and is ready to take the real estate market by storm! Because the company has mainly real estate agents as their employees they know very little when it comes to software development and creating a sustainable web application. This is where you and your group comes in! Your job is to provide **Castle Apartments** a robust web application using state-of-the-art technologies such as **Django**, **Python** and **Postgres**. They will be in touch!

Assignment description

The demands for the assignment are categorized in two: **structural demands** and **featural demands**. Structural demands focus on how the application is structured, e.g. *code structure*, *database setup*, etc. Featural demands focus on what a user can do within the application, e.g. *a user can view a real estate*, etc.

Here below are lists of featural- and structural demands and if those are implemented fully you can receive a grade of 7,0. If you want to go the extra mile and receive a full score of 10,0, you need to add some features which are not specified below.

Featural demands

Here below is a list of featural demands:

- Layout site
 - Navigation bar
 - Footer
- Edit profile
 - Name
 - Image
- Apartment catalogue
 - Filter by postal code
 - Search
 - Order by price and name
- Search history
- Apartment details
 - Description
 - Images
 - Seller
 - etc...
- Seller profile
- Buy an apartment
 - Contact information
 - Street name
 - House number
 - City
 - Country
 - <select>
 - Postal code
 - Social security number
 - Payment step
 - Credit card
 - Review step (read-only)
 - Confirmation step
 - Easy navigation between steps

Structural demands

Here below is a list of structural demands:

- The application must use a database to store the data
- Django Model API must be used
- The MTV pattern must be used
- Git is mandatory for version control and GitHub for a repository
- All exceptions should be handled in a proper manner