

# Housing Web Application

## Test strategy

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### Why?

Testing is a significant part of the process of developing software. It ensures that the functionalities are working in the way they are supposed to, and increases significantly the chances that the final product, delivered to the client, meets quality standards. It might reveal bugs or unexpected behavior that can be fixed before the software is deployed, which can save time and money.

### What?

CRUD functionalities for Properties

Requests functionality – includes multiple functionalities

Getting example price functionality

Logging in and registration

CRUD functionalities for users

### How?

1. Unit tests - white box, testing code behavior
  - On Business layer
  - On Controller layer
  - On Persistence layer
2. Integration tests – grey box, testing behavior of components working together
3. System tests – black box, testing on the entire system
4. Acceptance tests – black box, executed by a human, testing end-to-end user's interaction scenarios