User Guide Specification

- Define functional and non-functional requirements and system characteristics
- Create Use Case Diagram to describe the system as entities and who deals with the system
- Create a database schema and find the relationships between the classes and the connections between them
- Install the right tools to start the design process
- Carry out design and assignment tasks
- Doing unit test operations

System Description

Functional Requirements:

1. Design models and tables
2. Determine relation between models
3. User Requirements
4. System Requirements

Non-Functional Requirements:

1. Safety
2. Ease of use
3. Maintainable and testable

We have two classes:

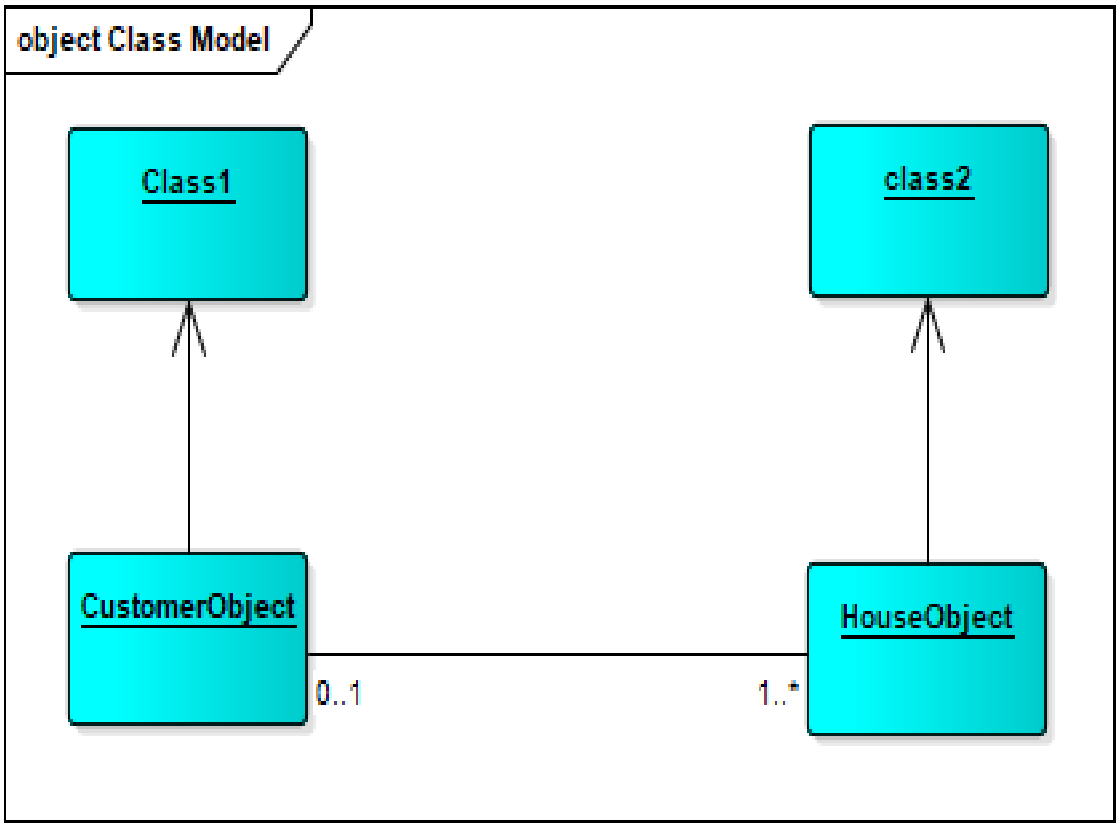
Customer – Houses

There is relation between them: Each customer has more than one apartment,

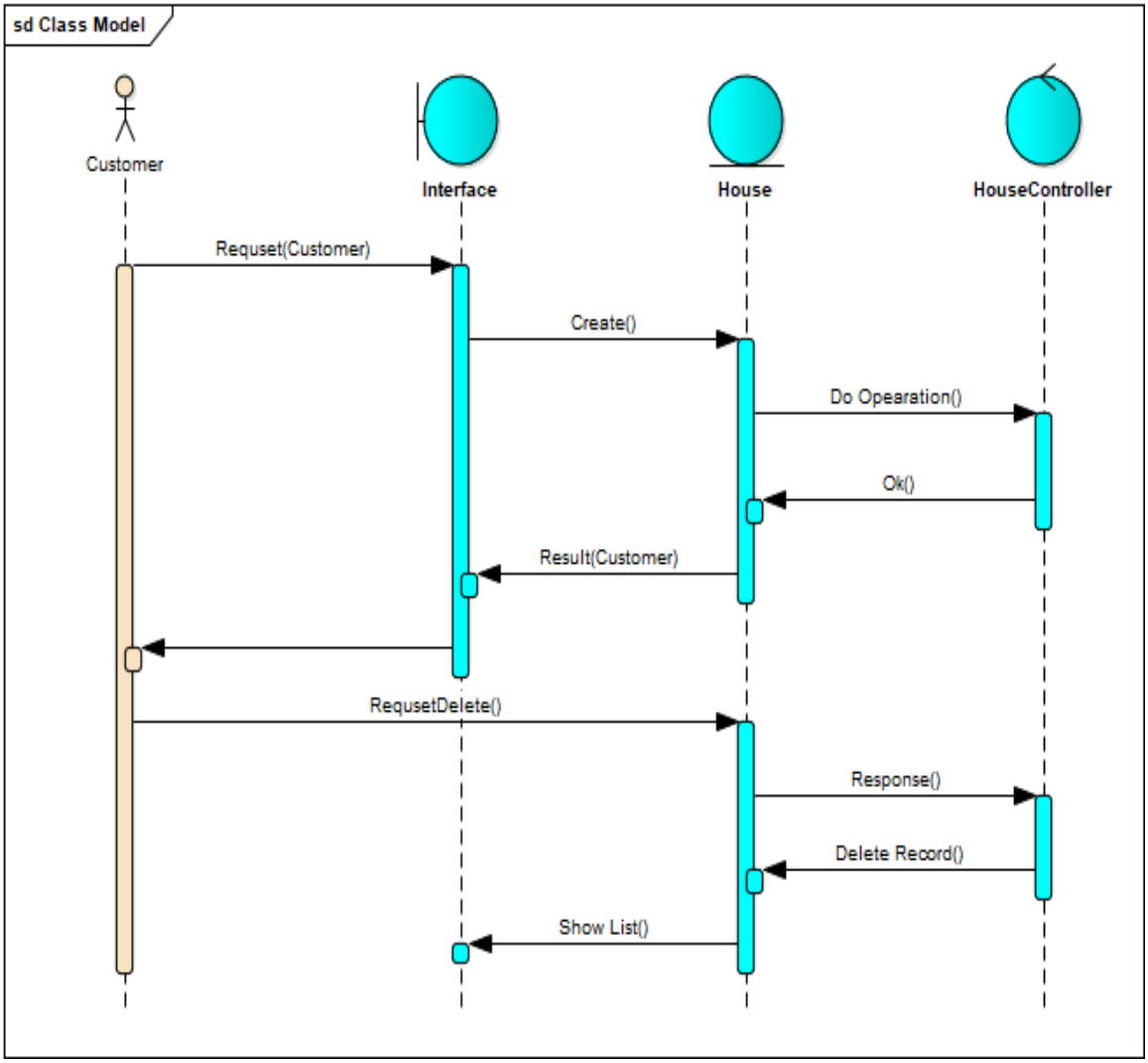
And the apartment can belong to one customer, so it is a one-to-many relationship

We used Repository Pattern: is an abstraction of the Data Access Layer. It hides the details of how exactly the data is saved or retrieved from the underlying data source.

This diagram lays out the way objects interact with each other within the system



This diagram presents the system within a moment in time



This scheme represents a class diagram and it lays down the relationships between the ranks and the dependence among us among them. It gives a complete description of the ranks of the system and the relations between us among them.