Web based Estate Agent

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Introduction

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- Rudimentary management for clients and admins
  - bookings
  - confirmations
  - cancellations
- Rate experience minimize/mitigate spamming
- API that is front end agnostic

Motivation

Key motivations

- sorting by price
- avoid formal accommodation services
- build a personal relationship
- client feedback
- rate a client

Users and Use cases

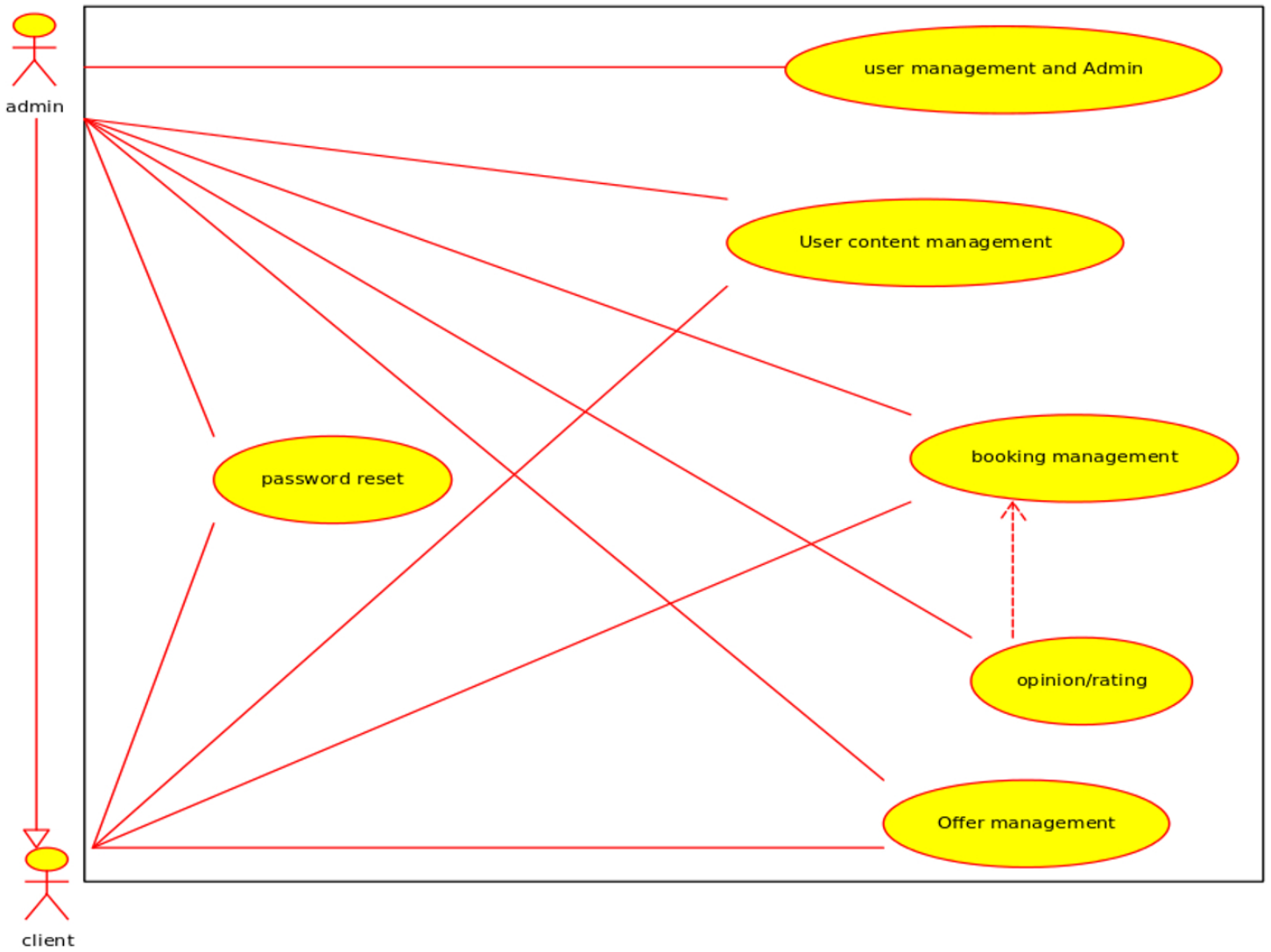
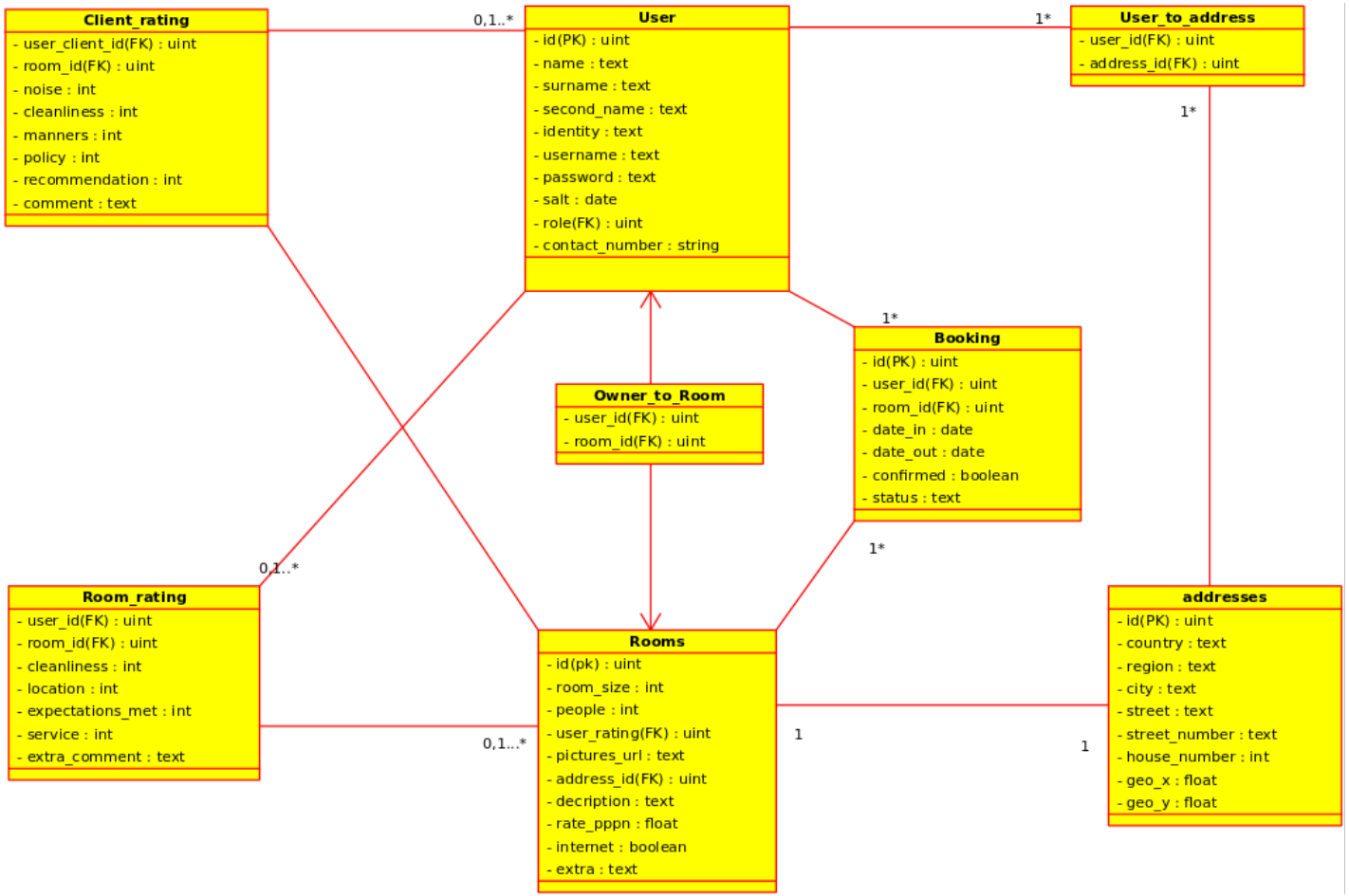


Figure : use case diagram in UML

Database Design



Three Tiered Architecture

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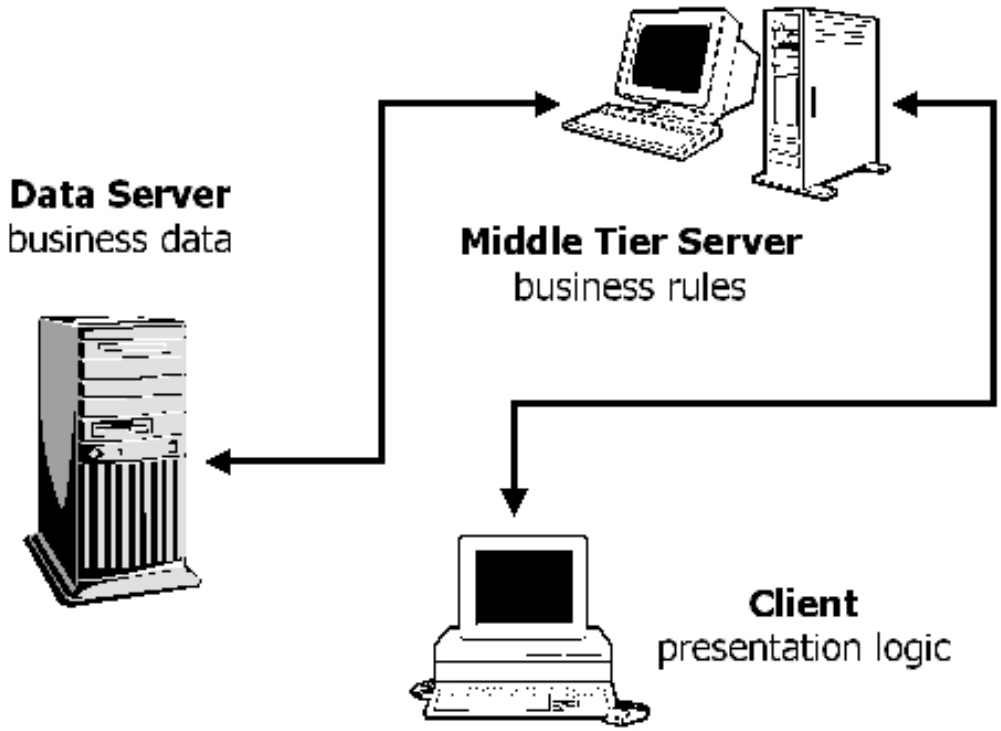

Figure : simplified 3-tiered architecture

Design Patterns

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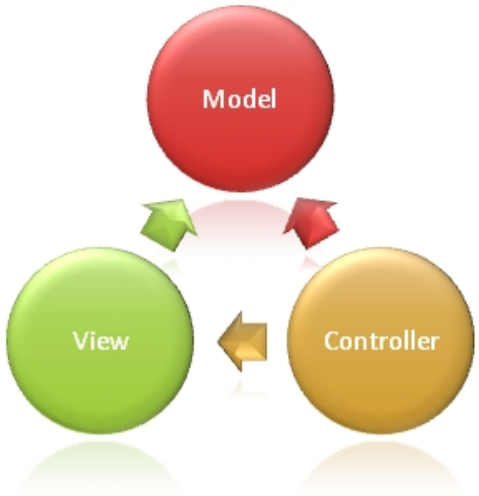
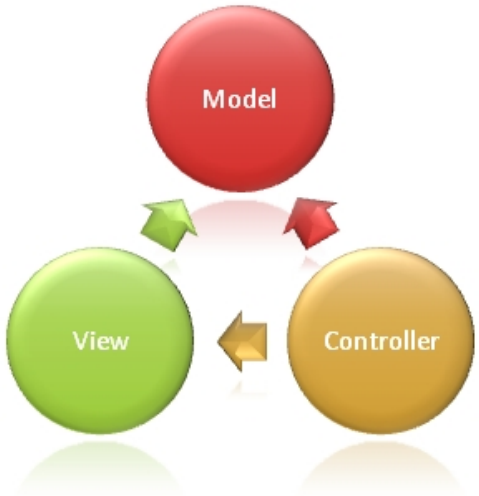


- Model : Data to be presented/changed
- View : How the data is presented to the client
- Controller : interface between Model and View

Protocols and format

Design Patterns



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Protocols and format

- **Re**presentational **S**tate **T**ransfer
- HTTP(S) as the message exchange protocol
- JSON as message format

Technologies

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- Mongo DB : Database

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- Express JS : development framework

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- OpenSSL
- CSS

caveats

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caveats

Mongo DB might be substituted for a SQL database
Angular JS might be substituted for EJS

TODO/Problems

TODO

- API
- WWW server(might not happen)

Problems

- document store database (Mongo)
- relative anonymity
- security
- Graphical Interface