Analysis and Design Document

Student:Tomuș Alexandra

**Group:30234**

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 06/04/2017 | 1,0 | Domain Model, Architectural Design, Component and Deployment diagrams | Tomuș Alexandra |
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# Project Specification

*[Present the project specification]*

# Elaboration – Iteration 1.1

# Domain Model

In cadrul proiectului vor exista doua tipuri de utilizatori, fiecare avand obtiunile pe care le poate realiza in functie de tipul acestuia. Cei doi posibili utilizatori sunt:

Administrator-ul: - utilizatorul principal

* poate sa vizualizeze rapoarte despre camera
* poate sa vizualizeze si sa stearga rezervari
* poate sa vizualizeze comentariile clientilor

User-ul normal: - poate realiza rezervari

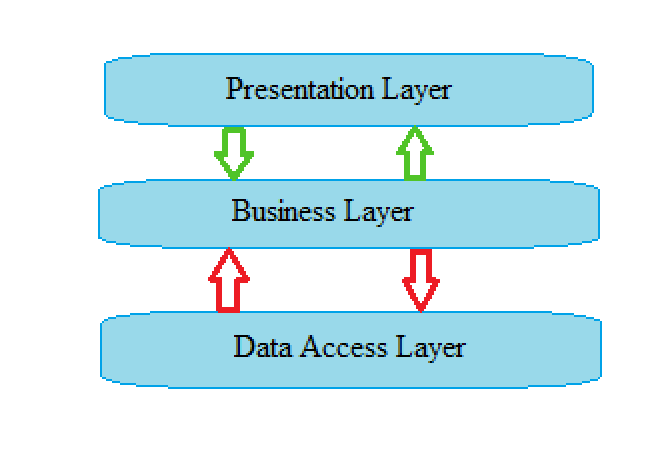
* acces la o serie de fotografii
* poate vizualiza camerele
* poate adauga comentarii

# Architectural Design

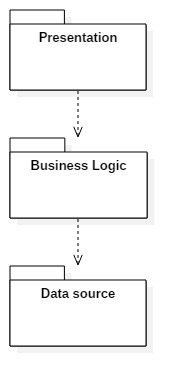
## Conceptual Architecture

In ingineria software, arhitectura multi-tier este o arhitectura client-server. Modelul este bazat pe 3 nivele:

* + **Presentation tier:** este reprezentat de interfata utilizator expusa de program.
  + **Business Logic tier:** este reprezentat de codul aplicatiei, implementeaza funcționalitatea de baza a sistemului și încapsulează logica.
  + **Data tier:** include mecanisme de persistenta a datelor (servere de baze de date, fisiere, etc) si stratul de acces la date care incapsuleaza mecanisme de persistenta si expune datele.



## Package Design



## Component and Deployment Diagrams

# Deployment.jpg

# Elaboration – Iteration 1.2

# Design Model

## Dynamic Behavior

*[Create the interaction diagrams (1 sequence, 1 communication diagrams) for 2 relevant scenarios]*

## Class Design

*[Create the UML class diagram; apply GoF patterns and motivate your choice]*

# Data Model

*[Create the data model for the system.]*

# Unit Testing

*[Present the used testing methods and the associated test case scenarios.]*

# Elaboration – Iteration 2

# Architectural Design Refinement

*[Refine the architectural design: conceptual architecture, package design (consider package design principles), component and deployment diagrams. Motivate the changes that have been made.]*

# Design Model Refinement

## *[Refine the UML class diagram by applying class design principles and GRASP; motivate your choices. Deliver the updated class diagrams.]*

# Construction and Transition

# System Testing

*[Describe how you applied integration testing and present the associated test case scenarios.]*

# Future improvements

*[Present future improvements for the system]*

# Bibliography