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Analysis and Design Document

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Revision History

Date	Version	Description	Author
04/04/2018	1.0	Added specifications	Alvaro

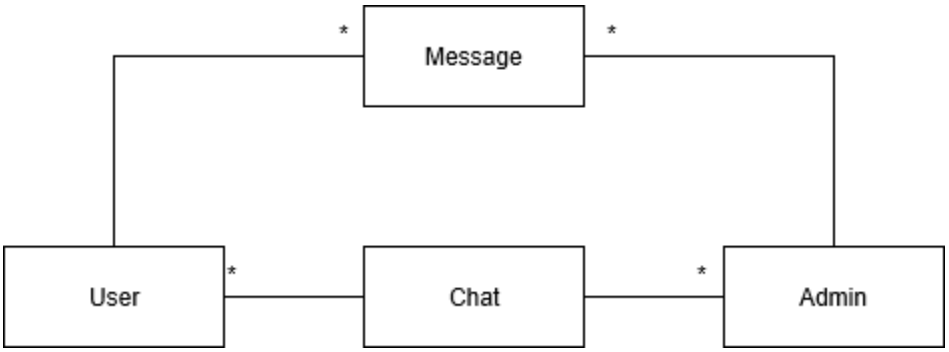
Table of Contents

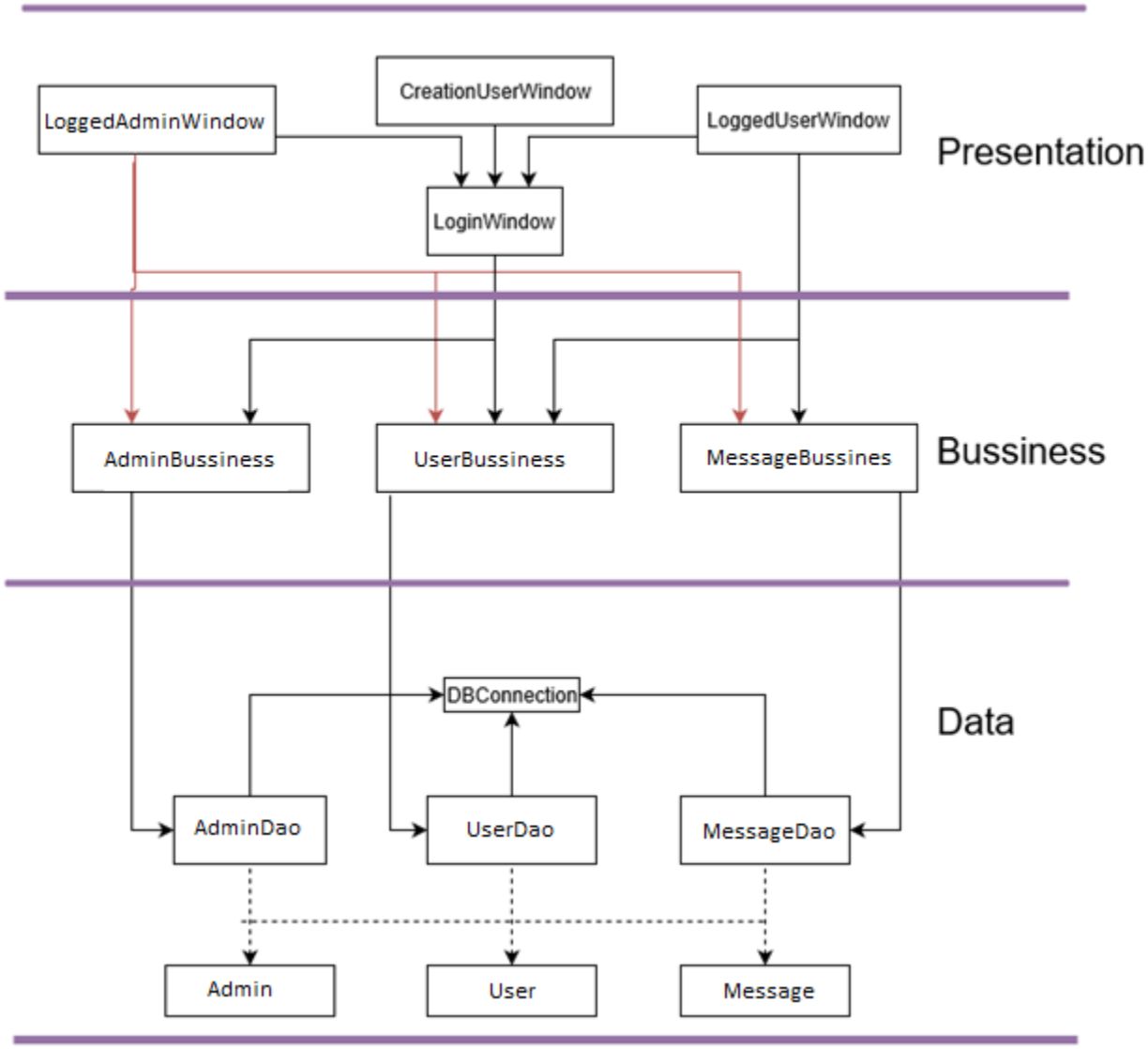
I. Project Specification

Application for tracking suspicious behavior in online chats.

II. Elaboration – Iteration 1.1

1. Domain Model

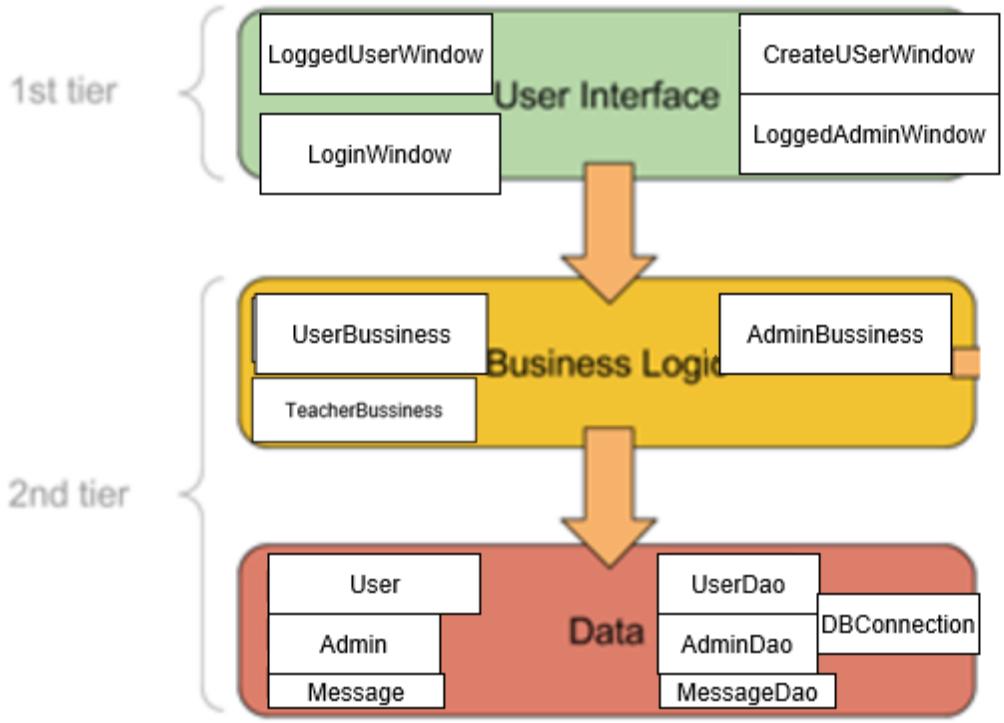




2. Architectural Design

2.1 Conceptual Architecture

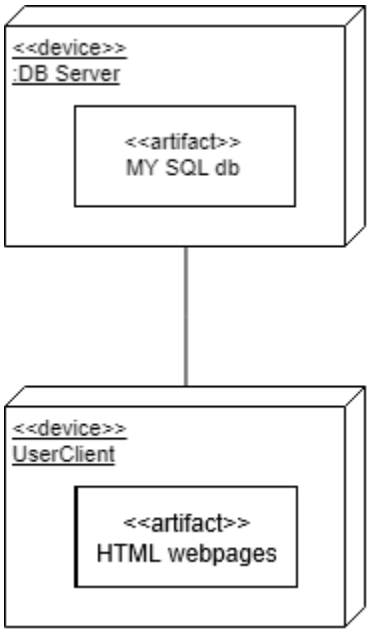
The system will follow the Layered architecture:



The user interface will be created using HTML webpages, the business logic the classes and their correspondent behavior which will be to allow the webpages access the data from the data layer, the business layer will access the services from the data layer which will perform CRUD operations.

2.2 Package Design

2.3 Component and Deployment Diagrams



III. Elaboration – Iteration 1.2

1. Design Model

1.1 Dynamic Behavior

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

1.2 Class Design

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

2. Data Model

[Create the data model for the system.]

3. Unit Testing

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

IV. Elaboration – Iteration 2

1. 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.]

2. Design Model Refinement

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

V. Construction and Transition

1. System Testing

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

2. Future improvements

[Present future improvements for the system]

VI. Bibliography