<Blood Transfusion Centre>

Analysis and Design Document

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Revision History

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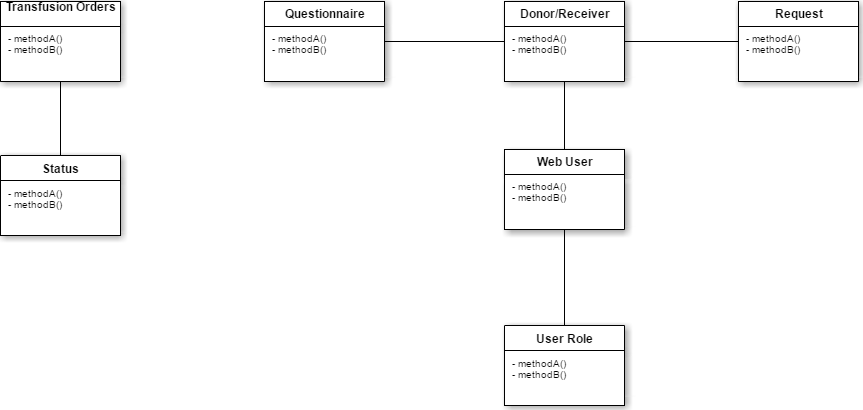
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# Project Specification

# Elaboration – Iteration 1.1

# Domain Model

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# Architectural Design

## Conceptual Architecture

Three-tier architecture will be used as my client–server software architectural pattern in which the [user interface](https://en.wikipedia.org/wiki/User_interface), [functional process logic](https://en.wikipedia.org/wiki/Business_logic_layer), [computer data storage](https://en.wikipedia.org/wiki/Computer_data_storage) and [data access](https://en.wikipedia.org/wiki/Data_access) are developed and maintained as independent [modules](https://en.wikipedia.org/wiki/Modular_programming). For our application, the biggest piece of data source logic is a database that is primarily responsible for storing persistent data. Presentation is about how to handle the interaction between the user and the software.Business logic is the work that this application needs to do for the domain you’re working with. It involves calculations based on inputs and stored data, validation of any data that comes in from the presentation, and figuring out exactly what data source logic to dispatch, depending on commands received from the presentation.

## Package Design

## Component and Deployment Diagrams

# D:\Anul 3sem 2\PS\dadada.pngcomponentProject

# 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