

Software Analysis to Design

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# Introduction

# Problem Statement

# Software Analysis

## Use Case Analysis

### Fully Dressed Use Case Model 1

Figure 1

#### 

#### Fully Dressed Description

Primary Actor:

Goal in context:

Level:

Stake Holders and Interests:

Preconditions:

Success:

Trigger:

Main success scenario:

Extensions:

Frequency of use:

Priority:

Implementation status:

Open issues:

### Fully Dressed Use Case Model 2

Figure 2

#### Fully Dressed Description

Primary Actor:

Goal in context:

Level:

Stake Holders and Interests:

Preconditions:

Success Guarantees:

Trigger:

Main success scenario:

Extensions:

Frequency of use:

Priority:

Implementation status:

Open issues:

## Conceptual Model

### 

### UML Class Conceptual Model

Figure 3

### Modelling Assumptions

## Behaviour Analysis

### High-level sequence diagram

### 

#### User Sequence Diagram

Figure 4

Admin Sequence Diagram

Figure 5

### High-level Activity diagram

Figure 6

### High-level State diagram

Figure 7

# Software Design

## Interaction Analysis

### Detailed Sequence Diagrams

#### Sequence 1

Figure 8

#### Sequence 2

Figure 9

### Refined Class Diagram

Figure 10

### Implementation Recommendations & Notes