

System specification

BauX (Version 0.1)



Project name	BauX	
Project leader	Pero Djukic	
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HTBLA Leonding

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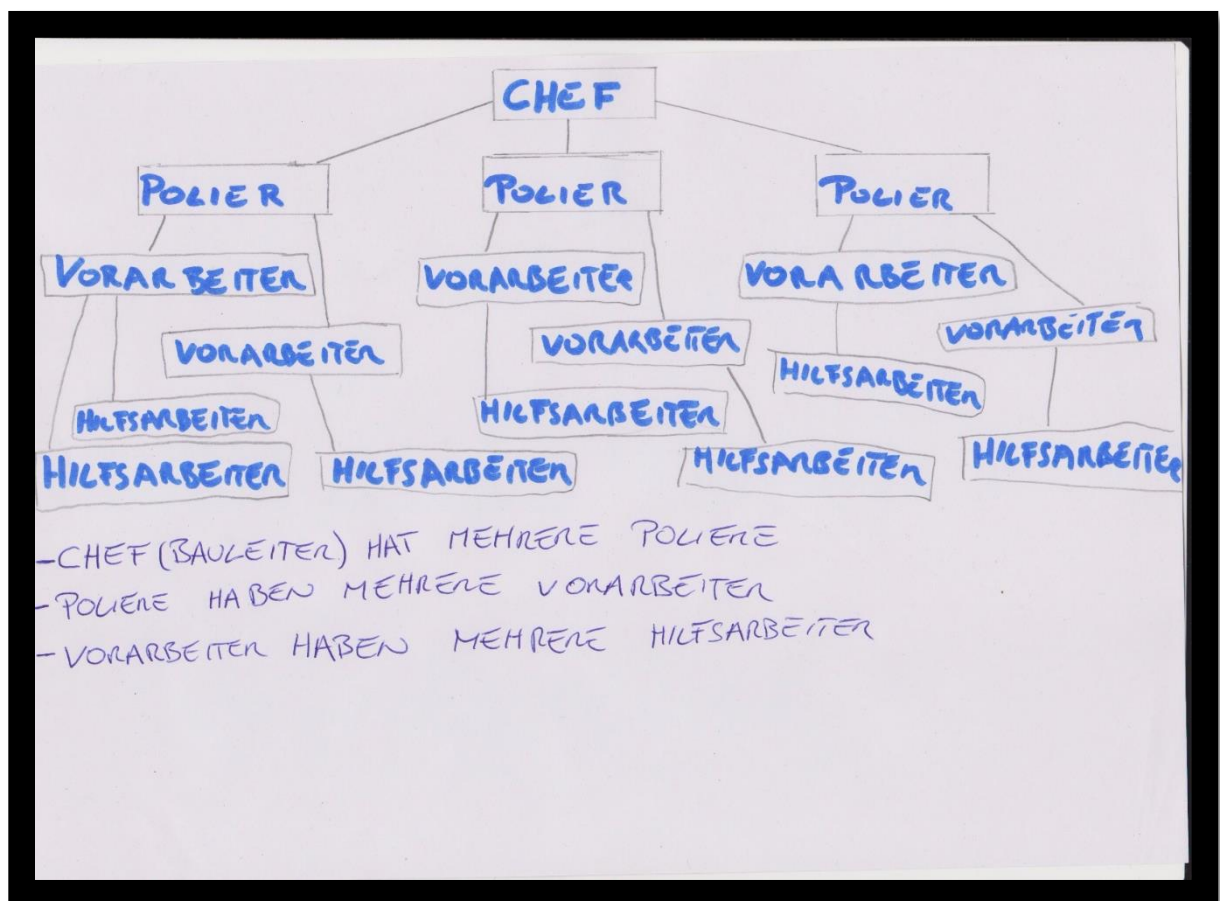
1. Initial Situation and Goal
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4. Quantity Structure

1. Initial Situation and Goal

1.1 Initial Situation

In a construction company there is as well as in any other company a leader. Under the leader there are subordinate foremen (those people who manage the construction site) and under them in turn foremen, who also have a few subordinate workers and unskilled workers among them. Together these foremen and their workers form so-called batches.

Graphic of the organizational plan:



However, a single leader cannot check all the foremen, let alone all the employees of a company at the same time and see whether they are on the construction site.

An example of a work report:


HOCH-U.TIEFBAU
Gesellschaft m.b.H.
A-4030 Linz,
Löwenzahnweg 5

Tel. 07 32/38 28 08
www.hoch-u-tiefbau.at

ABAU
 QUALITÄT'S
BAU-MEISTER.at

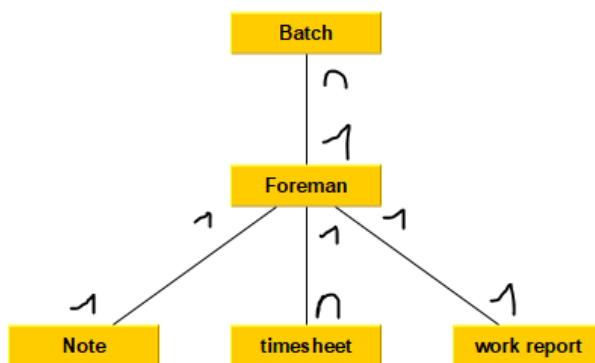
1.1.2 Glossary

A note, that says who will be working on the construction site that day.

Timesheets, that record the working hours of the respective worker.

A work report, that states the done work and some other things.

1.1.3 Model of the Application Domain



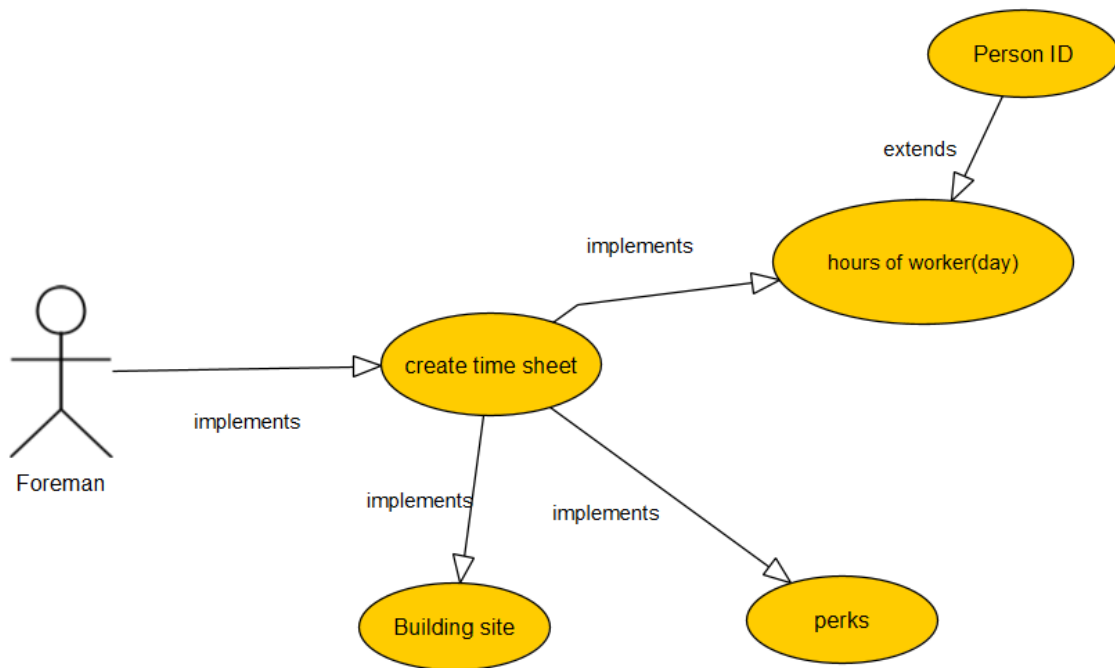
1.1.4 Overview of the Business Processes

1.1.5 Business Description of the Processes

1.2 Goal Definition

2. Functional Requirements

2.1 Use Case Timesheet



2.2 Use Case Timesheet Details

The foreman makes a time sheet.

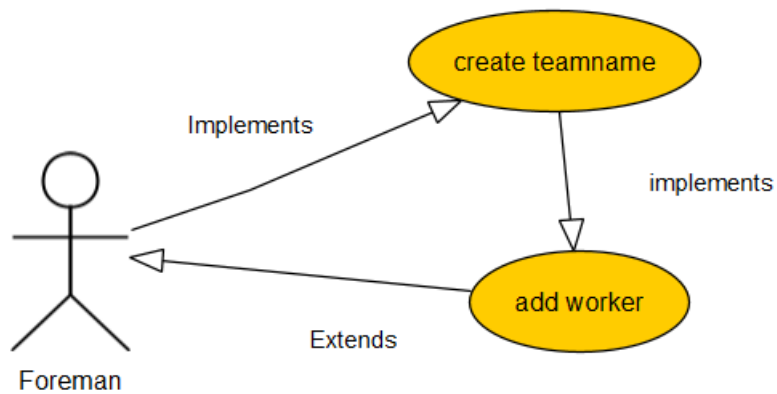
This timesheet is used for one week.

This time sheet contains the construction site, on which day and for how long the worker was present at the construction site.

Bonuses and other factors are also on this page.

Note: Every worker has a new time sheet every week.

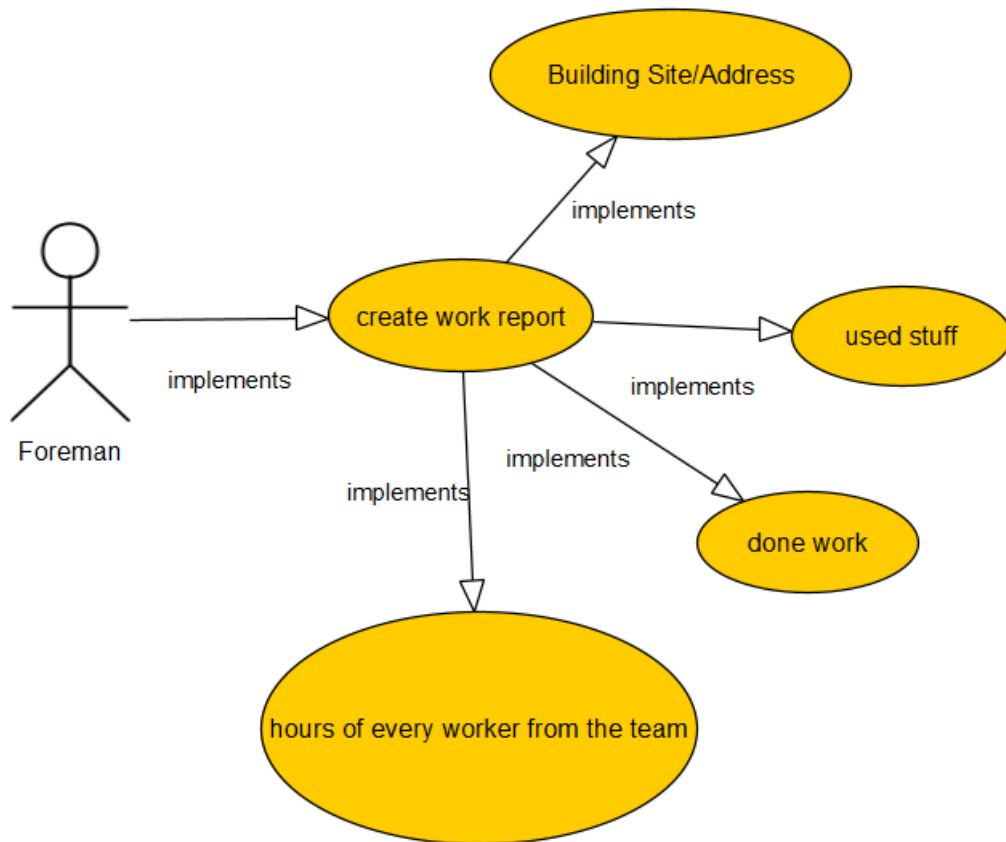
2.3 Use Case Team



2.4 Use Case Team Details

The foreman creates individual teams and can assign workers to them. This enables easier coordination on the construction site.

2.5 Use Case Work Report



2.6 Use Case Work Report Details

The foreman will draw up a work report.

This work report describes the construction site and the day.

The number of hours worked and the work done are given.

Other factors such as which equipment was used, the weather etc. are also recorded.

If there has been a certain incident can be described.

3. Non Functional Requirements

ID:	NFR_001
NAME:	Data volume
TYPE:	EFFIC
DESCRIPTION:	The app should be designed so that it can be operated even with a very slow Internet connection and therefore requires little data.

ID:	NFR_002
NAME:	Battery efficiency
TYPE:	EEFIC
DESCRIPTION:	The app should avoid unnecessary processes in order to be able to work as efficiently as possible and to conserve battery power.

ID:	NFR_003
NAME:	Start time
TYPE:	EFFIC
DESCRIPTION:	The app should be ready to use within a few seconds after opening, after logging in it should not take long until full functionality is reached.

ID:	NFR_004
NAME:	Glove operability
TYPE:	USE
DESCRIPTION:	The buttons should possibly be large enough to be operated with gloves.

4. Quantity Structure

In view of the data to be stored, we will use a database.

In the database is stored when someone was present and when not, furthermore his overtime will be stored such as other factors e.g. scaffold bonuses and so on.