

Project MRS

Requirements



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# 1 Organisation

## 1.1 Group roles

Role	Name	Shortcut
Project Leader	Mändlen, David	DM
Development Manager	Muschewski, Eugen	EM
Design Manager	Ribul Moro, Alessandro	AR
Quality Manager	Sahin, Fatih	FS

## 2 Mission

### 2.1 Mission Statement

MRS is aimed at supporting university administrators in managing personnel, building capacities and time-budgets. This is achieved by importing, cleansing and structuring given data as well as handling new data.

### 2.2 Mission Objectives

#### 2.2.1 Import

The aim is to support the import of data by parsing given files and validating the datatype of stored information.

Example: If a field should contain an integer but contains a string this should be marked as wrong, parsing should resume at the next line.

#### 2.2.2 Cleansing

Imported data should be marked as possibly incorrect if data in a field seems to be wrong.

Example: Student IDs should be exactly 6 digits long, anything else should be marked as wrong.

#### 2.2.3 Structuring

Data is validated logically to make sure there are no redundancies.

Example: It is not necessary to store information about faculty in a table of departments, if personnel data is stored in a separate table.

#### 2.2.4 Querying / Reporting

The database can be queried for different kinds of information and is able to generate reports.

Example: The administrator can search for faculty, lecturers, rooms, times, departments and more.

#### 2.2.5 Update

The database will accept updates if they are correct and do not violate any process rules. Otherwise the database will not accept the data.

Example: If the administrator wants to put Prof. X at room Y at time Z, but has placed Prof. A there at the same time, this query will yield an error.

### 3 Changelog

Date	Time	Reason	Author (short)
2015-10-01	12:04	Creation	DM
2015-10-01	12:50	Added Mission Statement and Objectives	DM