

# Milestone 1

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## Programming Exercises

### Mevius

Summer Term 2020

#### 1. Goal Definition

**Private Grocery Manager** The main idea of this application is a service to manage grocery. You can scan products with bar codes and add them to a data base. With this data it is possible to create shopping lists and recipes. This service is running on a Server accessed through any browser. Thus it's accessible through desktops and smart phones.

#### 2. Team/Group Members

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#### 3. Project Documentation

##### i. Specification

- Request-Specification (definition) (DIN 69905)
  - What must be done (concept)
- Performance specification
  - How will it be realized (features)

##### ii. Analysis

- Requirements Analysis
- Evaluation
- Mock-up
- Process Analysis / Process Model
- System Analysis
- Structured Analysis
- Object-oriented analysis

##### iii. Design

- Data Architecture

- Application Architecture
- Technical Infrastructure
- Software Architecture
- Mock-up (UI Prototype)
- Structured Design
- Object-oriented design
- Unified Modeling Language
- Data-flow-diagram
- Object-oriented processes with UML

#### iv. Programming

- Software-Documentation
- System-Documentation
- Operational-Documentation
- User Manual

#### v. Validation and Verification

- Module Testing
- Integration tests
- System tests
- Acceptance Testing

#### 4. System-Simulation

#### 5. Declaration of Authorship

#### 6. Sources