# Milestone 1

## 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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| --- | --- | --- |
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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