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|  | | | | Project Plan |  | | | |
|  | | | | February, 2025—Viktoria Todorova—First Draft |  | | | |
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# Project Assignment

In this section of my project plan, I will provide a detailed description of the product I will be working on, its context and goals. I will also define the scope to ensure clarity on what will be developed by the end of the semester and which aspects I will not be working on.

##### Context

In a world where money is a driving force, the management of personal finances is crucial. Many individuals are striving for financial stability, yet they fail to track their expenses, set budgets and control their spendings. In order to resolve this issue, this project aims to provide an application that helps people track their funds and maintain financial discipline.

##### Objective

The goal of this project is to develop a user-friendly web application that allows the user to upload their expenses, set budgets and receive reports regarding their spendings. By providing these budget management tools, the product aims to deliver insights into one’s funds, prevent overspending and promote better saving habits, ultimately helping the user to easily meet their financial goals.

##### Scope

The scope of this project involves some core feature for the application, but a big portion of my time I will spend on performance. I will dedicate a lot of hours to making sure the app is secure, scalable and thoroughly tested.

In Scope:

*Functional Requirements*

* User registration and Authentication
* Expense Upload
* Budget Settings
* Report Generation

*Non-Functional Requirements*

* Secure Data Storage
* Security and Compliance
* Performance and Scalability
* Availability and Reliability

Out of Scope

* Integration with third-party financial services (such as banks)
* AI financial advice
* Desktop Application

##### Strategy

This project will follow the Agile approach. Since this project requires a lot of research, which might lead to a change of the requirements I believe, this approach will fit best.

# Project Organization

In this section I will describe the stakeholders involved I this project and their roles. I will also add some information on the means of communication between everyone involved in the process.

##### Stakeholders

Below are listed the stakeholders of this project. These members are responsible for supervising and assessing the project’s academic aspect.

1. Nicole N. Zuurbier-Munneke (Semester Coach) – Guidance, Project Oversight and Soft Skills Specialist
2. Frank F.W.J. Coenen (Technical Teacher) – Guidance, Technical Skills Specialist
3. Dennis D. Cools (Technical Teacher) – Guidance, Technical Skills Specialist

##### Team Members

Viktoria Todorova (Student) - Project Manager, Front-end and Back-end Developer, Cloud Engineer, Researcher, Tester

# Activities and Time Plan

Sprint 1

Defining Requirements

Defining Architecture

Creating Repositories

Setting Up IntelliJ

Project Plan

Architecture Design Doc

Sprint 2

3 microservices

Tests

Code Quality

Security

Sprint 3

Load Estimation

Load Tests

Report with Conclusions

Sprint 4

Deploying Application on Kubernetes

Report with Conclusions

Sprint 5

Deploy System on Cloud

Sprint 6

Documentation