Requirement specification

Logistics administration for Transport AS

April 2020

1 Introduction

1.1 Purpose

Transport AS is a company that handles home delivery missions from a local storage. The purpose of this software is to help the logistics administrator to manage deliveries and for transport workers to get information about their missions.

1.2 Limitations

In this project functionality is prioritised over security. User authentication is disregarded because of project timeconstraints.

1.3 Users

- Logistics administrator
- Transport worker

1.4 Overview

An administrator would add a transportation worker, transportation vehicle. The administrator would then create a new mission with a transportation worker and a transportation vehicle. The transportation worker would then view the transportation missions to see his work for the coming time. A transportation worker would then mark the mission as completed when he completes the mission. Only the logistics administrator would be able to mark missions as canceled.
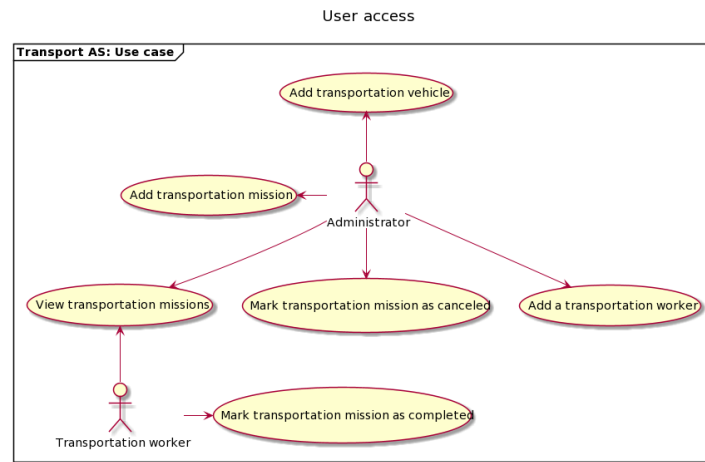
Figure 1: User-access use case

2 Requirements

2.1 Functional requirements

- F 1.0 Logistics administrator shall be able to add new transportation vehicles

- F 1.1 Logistics administrator shall be able to add new transportation missions

- F 1.2 Logistics administrator shall be able to add transportation vehicles to transportation missions

- F 1.3 Logistics administrator shall be able to mark transportation mission as canceled

- F 1.4 Logistics administrator shall be able to add a transportation worker

- F 1.5 Logistics administrator shall be able to add a transportation to a vehicle

- F 1.6 Transport worker shall be able to view transportation missions

- F 1.7 Transport worker shall be able to mark transportation missions as completed

2.2   Non-functional requirments

- N 1.0 Database shall be hosted in Azure SQL Database

- N 2.0 Website shall be written in HTML5

- N 2.1 Website shall use CSS for styling

- N 3.0 Web-application shall use Flask web-framework

- N 3.1 Web-application shall use SQL-Alchemy as an ORM

3   Time estimation

T-shirt sizing:

- Large

- Medium

- Small

Time estimation of requirements	
F 1.0	Medium
F 1.1	Medium
F 1.2	Medium
F 1.3	Small
F 1.4	Small
F 1.5	Medium
F 1.6	small
F 1.7	Medium