# Parking Garage

# Project plan Mediaan

# Yasen Alchev Ilja Proņins

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# Client:

The client for this project is Mediaan, with the product owners Cliff Wings and Rik Waelen.

We can contact them through the following email addresses:

* Cliff Wings: [cliff.wings@conclusion.nl](mailto:cliff.wings@conclusion.nl)
* Rik Waelen: [rik.waelen@mediaan.com](mailto:rik.waelen@mediaan.com)

We will work directly with them to clarify the requirements of the project and define the user stories for each sprint planning after which end we display the results in the sprint review.

# Team:

We are Group 3 – Mediaan. Our team consists of 4 members of students of Fontys University of Applied Sciences with profile ICT & Software Engineering. Our team had the great opportunity to work directly with Mediaan’s product owners and choose a case to undertake with defined problem to which we assembled to design and engineer a solution.

Group 3 – Mediaan members:

* Yasen Alchev
* Ilja Proņins
* Camiel Adriaens
* Jelle Pahlplatz

# Current situation:

The current situation targets a car parking garage that is about to be optimized in order to make it more effective for both the employees and the clients using the car park. The solution is to create a smoother and faster experience for both parties.

# Problem definition:

Due to the limited project Mediaan turned out to us – students for realizing a proof of concept of one of their ideas – a Parking Garage Application. The project is focused on resolving a common problem for car parking garages where the cars have to wait in long lines when entering/exiting the garage, malfunctioning ticket machines and dealing with full or empty parking spots.

# Project goal:

The project goal is to digitalize everything, reduce and simplify the process.

The newly and optimized system will be able to detect and register every car that enters and leaves the parking lot by their license plate.

Payments will no longer obstruct the process of leaving the garage by making the customers wait in line and pay at the exit causing a traffic jam and will also be calculated based on different factors like day of the week and time of stay.

All the revenue will be made available to the employees in real time.

Employees will be able to see the state of the garage and all the parking spots and their state and options accompanying controlling these states.

The system will provide options for reserving a parking spot in advance for regular customers and also will be made suitable for hiring spots from big companies for which there will be included automatic system for sending invoices to them at the end of the month.

# Deliverables:

We will be providing the company with:

* A web-based application to manage the garage that is convenient and insightful.
* Customer friendly payment system.
* Car license tracking system.

# Non-deliverables:

There are a few things we won’t be providing:

* We won’t be training employees.
* We won’t deliver a manual.
* We will not deliver any hardware solution.
* Long-Term Maintenance.
* Integration with Legacy Systems.
* Marketing and Customer Acquisition.

# Constraints:

**TODO: Constraints will be defined soon.**

# Phasing:

**TODO: Phasing is under construction.**