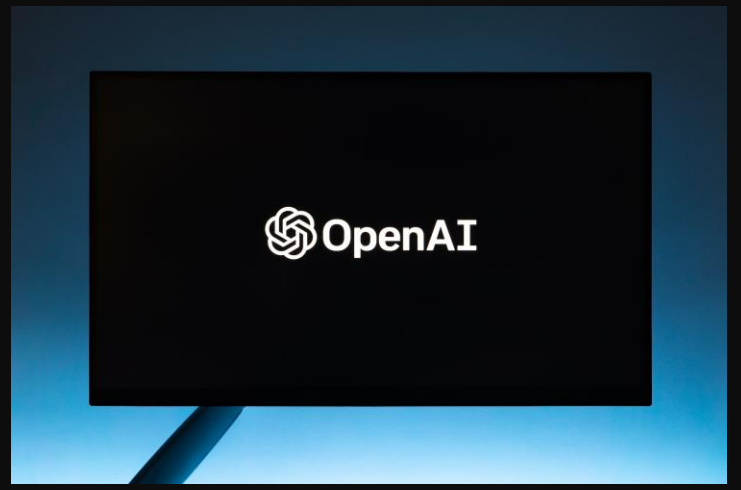
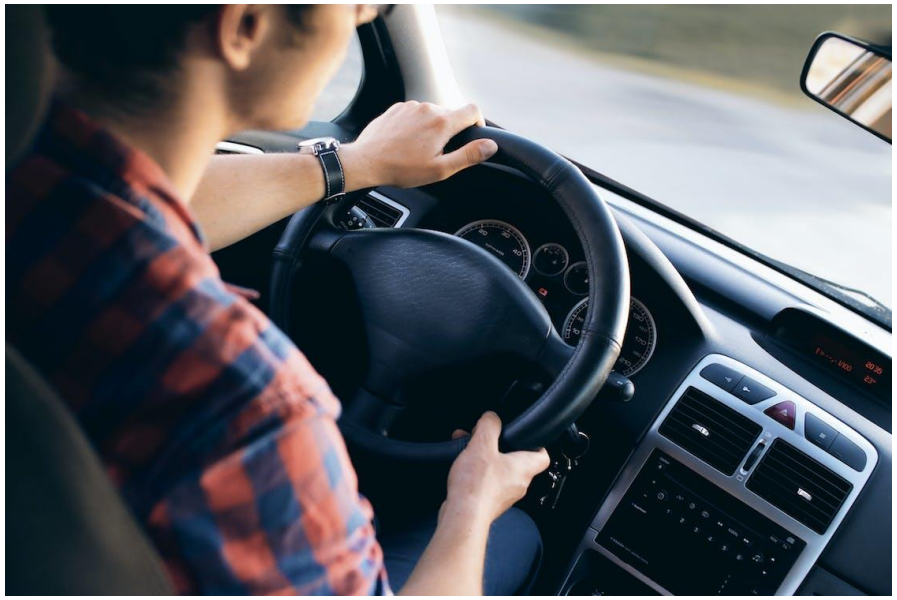
Introducing wyStack AI

Combining wyStack with ChatGPT.

wyStack



"Hello ChatGPT, could you please generate a Car Rental Management System utilizing wyStack? Thank you."



wyStack

Creating a Car Rental Management System (CRMS) using wyStack AI

wyStack 1.3

www.wystack.com

Specifications #1

Title: Car Rental Management System (CRMS)

Introduction

The Car Rental Management System (CRMS) is a software application designed to streamline the process of managing car rentals for car rental agencies.

Functional Requirements

2.1 Car Management

The CRMS must allow users to perform the following actions:

- Record car manufacturers and their associated models.
- Register car details, including manufacturer, model, model year, power source (hybrid, diesel, gasoline, electric), transmission type (automatic, manual), license plate number, current GPS location, and a photograph of the car.

2.2 Logbook Management

The CRMS must support a logbook functionality for each car, allowing users to:

- Log any damages, including video evidence.
- Track the car's mileage.
- Record maintenance activities.

Specifications #2

2.3 Customer Management

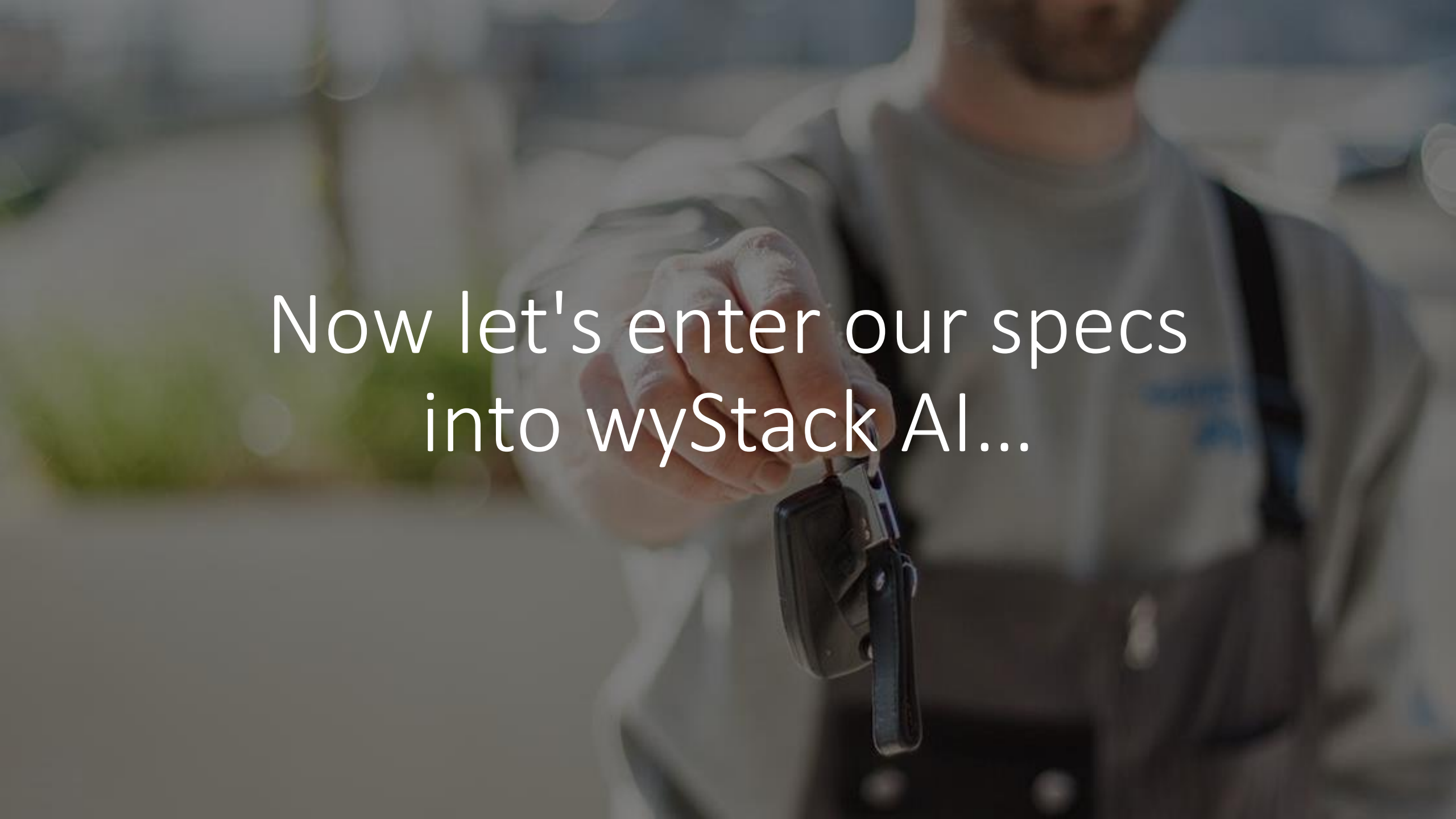
The CRMS must enable users to register customer information, including:

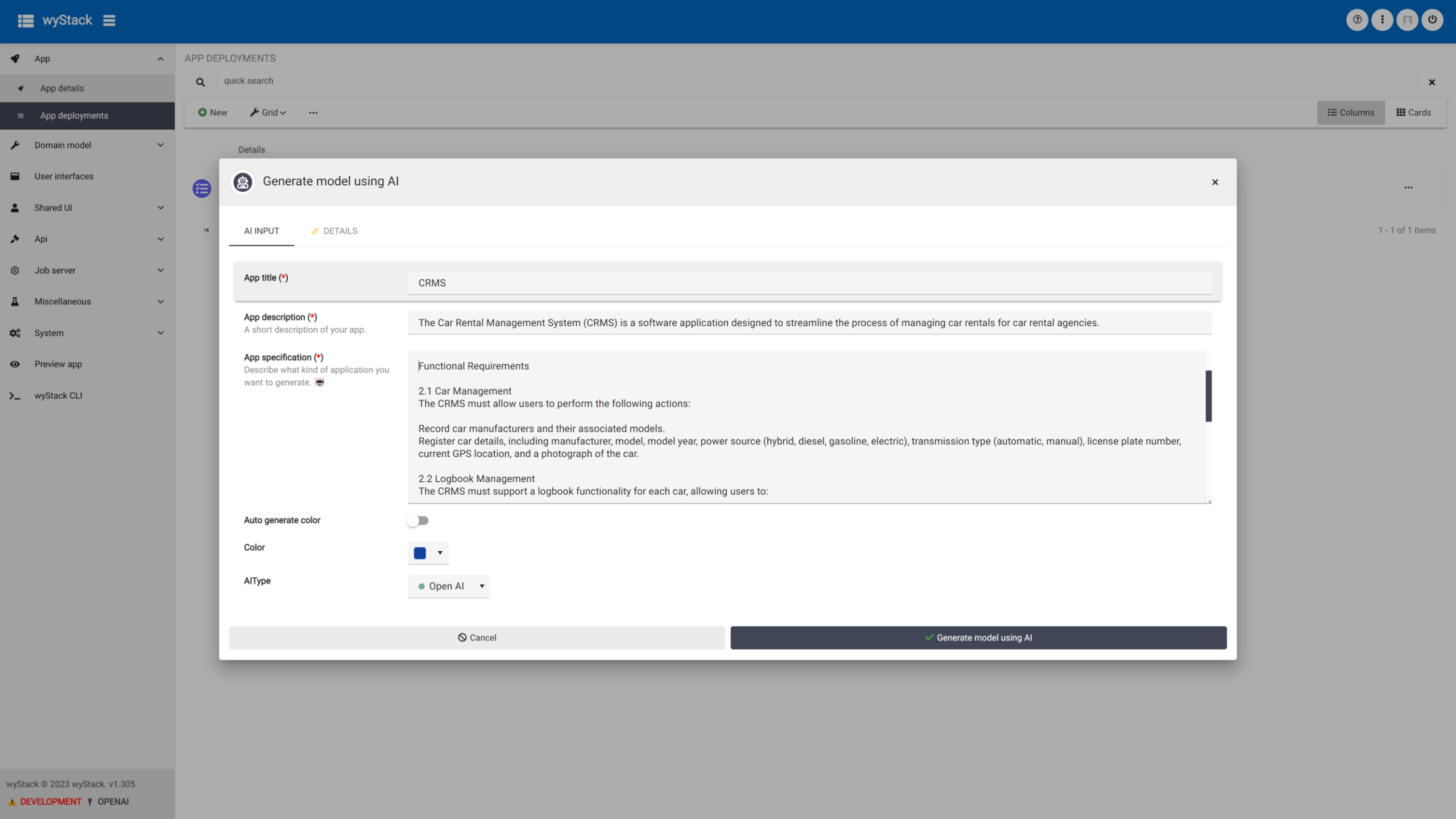
- Name, address, and GPS location.
- Contact details (phone number, email address).
- Additional relevant customer details.

2.4 Rental Management

The CRMS must provide a rental management module that allows users to:

- Record rental information, including the start and end dates of the rental period.
- Register mileage at the beginning and end of the rental period.
- Track fuel consumption and associated costs.
- Record reservation details, including start and end dates.
- Calculate the total price for the rental period.


Now let's enter our specs
into wyStack AI...


wyStack
App
App details
App deployments
Domain model
User interfaces
Shared UI
Api
Job server
Miscellaneous
System
Preview app
wyStack CLI
APP DEPLOYMENTS
quick search
New
Grid
Columns
Cards
Details
1 - 1 of 1 items
Generate model using AI
AI INPUT
DETAILS
App title (*)
CRMS
App description (*)
A short description of your app.
The Car Rental Management System (CRMS) is a software application designed to streamline the process of managing car rentals for car rental agencies.
App specification (*)
Describe what kind of application you want to generate.
Functional Requirements
2.1 Car Management
The CRMS must allow users to perform the following actions:
Record car manufacturers and their associated models.
Register car details, including manufacturer, model, model year, power source (hybrid, diesel, gasoline, electric), transmission type (automatic, manual), license plate number, current GPS location, and a photograph of the car.
2.2 Logbook Management
The CRMS must support a logbook functionality for each car, allowing users to:
Auto generate color
Color
AIType
Open AI
Cancel
Generate model using AI
wyStack © 2023 wyStack. v1.305
DEVELOPMENT
OPENAI

wyStack

App
App details
App deployments
Domain model
User interfaces
Shared UI
Api
Job server
Miscellaneous
System
Preview app
wyStack CLI

APP DEPLOYMENTS

quick search

New | Grid | ... | Columns | Cards

Details

Generate model using AI

AI INPUT | DETAILS

App title (*) CRMS

App description (*)
A short description of your app. The Car Rental Manag

App specification (*)
Describe what kind of application you want to generate.

Functional Requireme

2.1 Car Management
The CRMS must allow

Record car manufact
Register car details, i
current GPS location,

2.2 Logbook Manage
The CRMS must supp

Auto generate color

Color

AIType Open AI

Cancel

g car rentals for car rental agencies.

ission type (automatic, manual), license plate number,

enerate model using AI

1 - 1 of 1 items

Please wait...

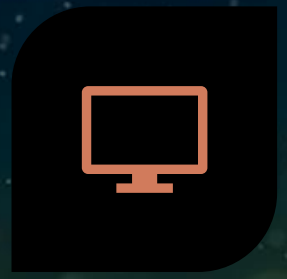
Your request is being processed...

wyStack © 2023 wyStack. v1.305
DEVELOPMENT OPENAI

Let's see what happened...

What did wyStack AI generate?

ANGULAR FRONT-END.



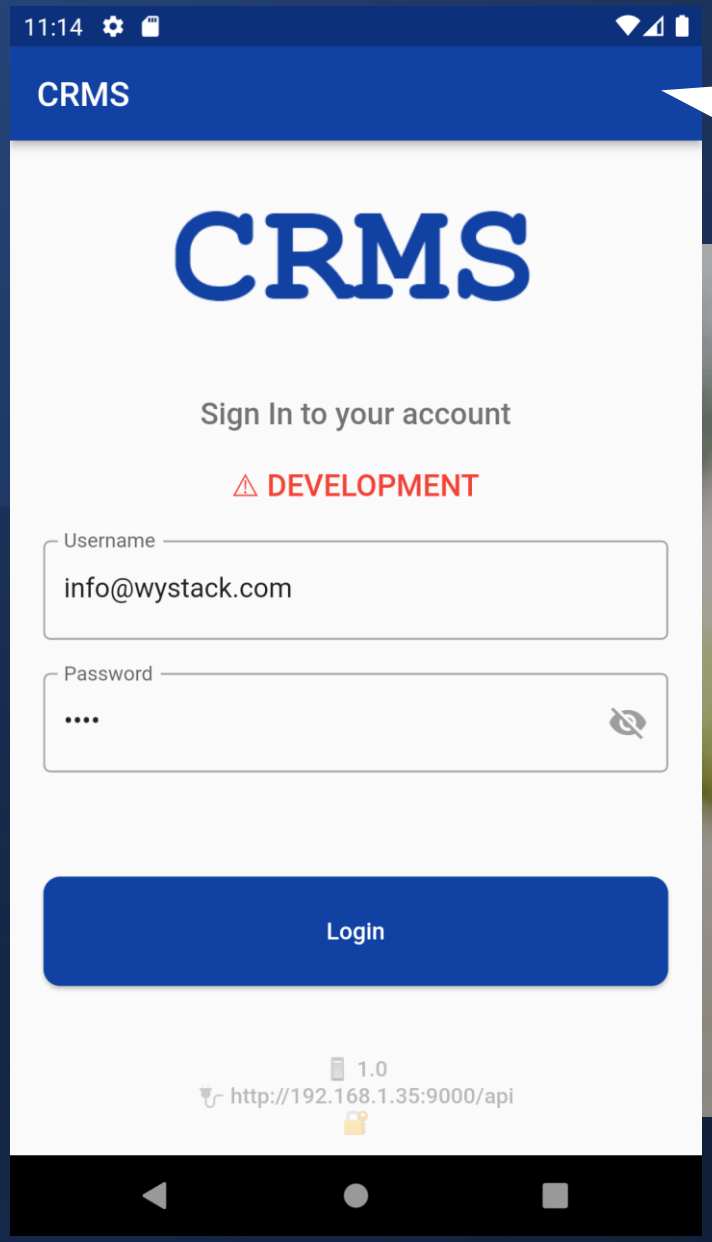
ASP.NET BACK-END.

(.NET 6)

ANDROID APP BASED ON FLUTTER.

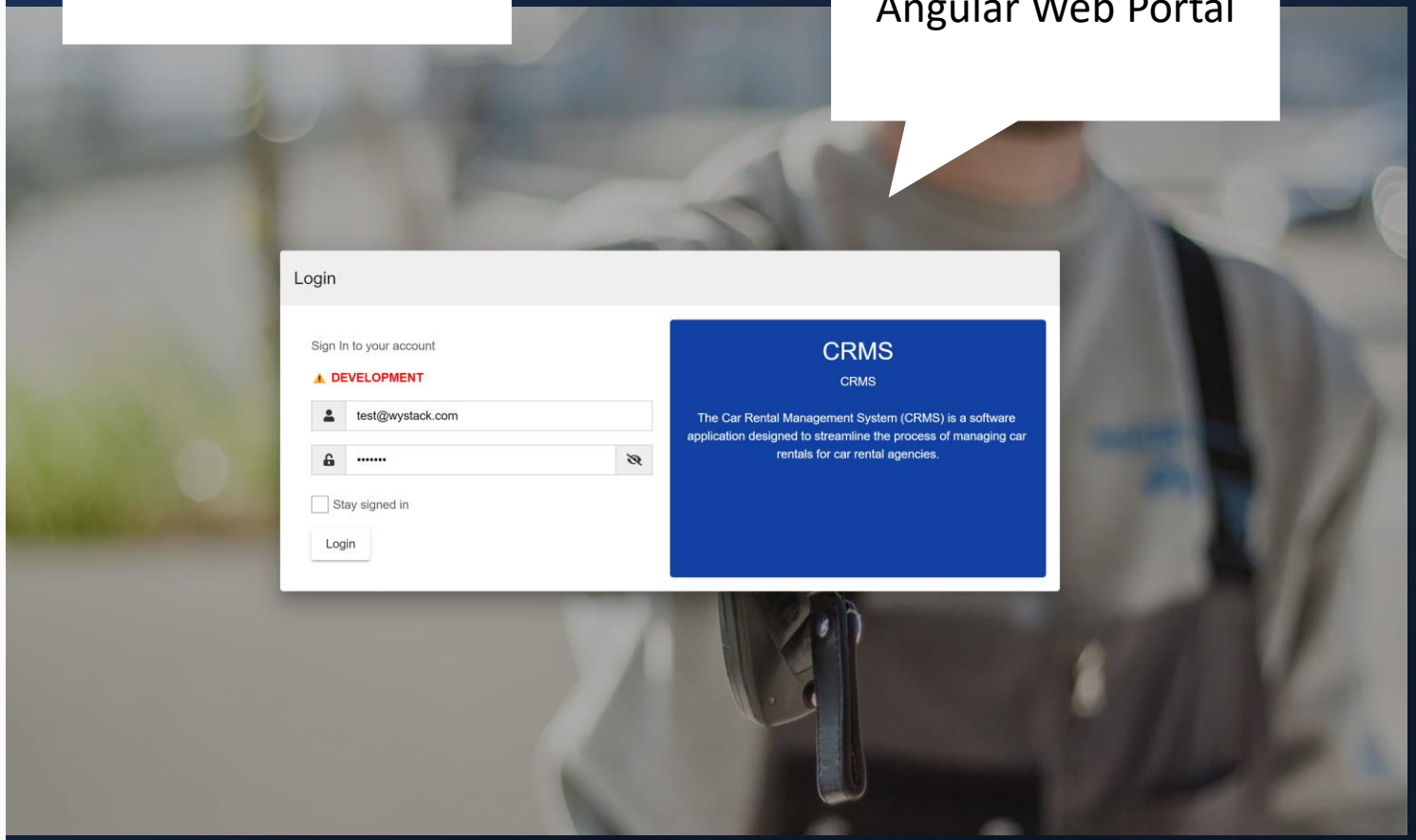
(WITH OFFLINE SUPPORT)

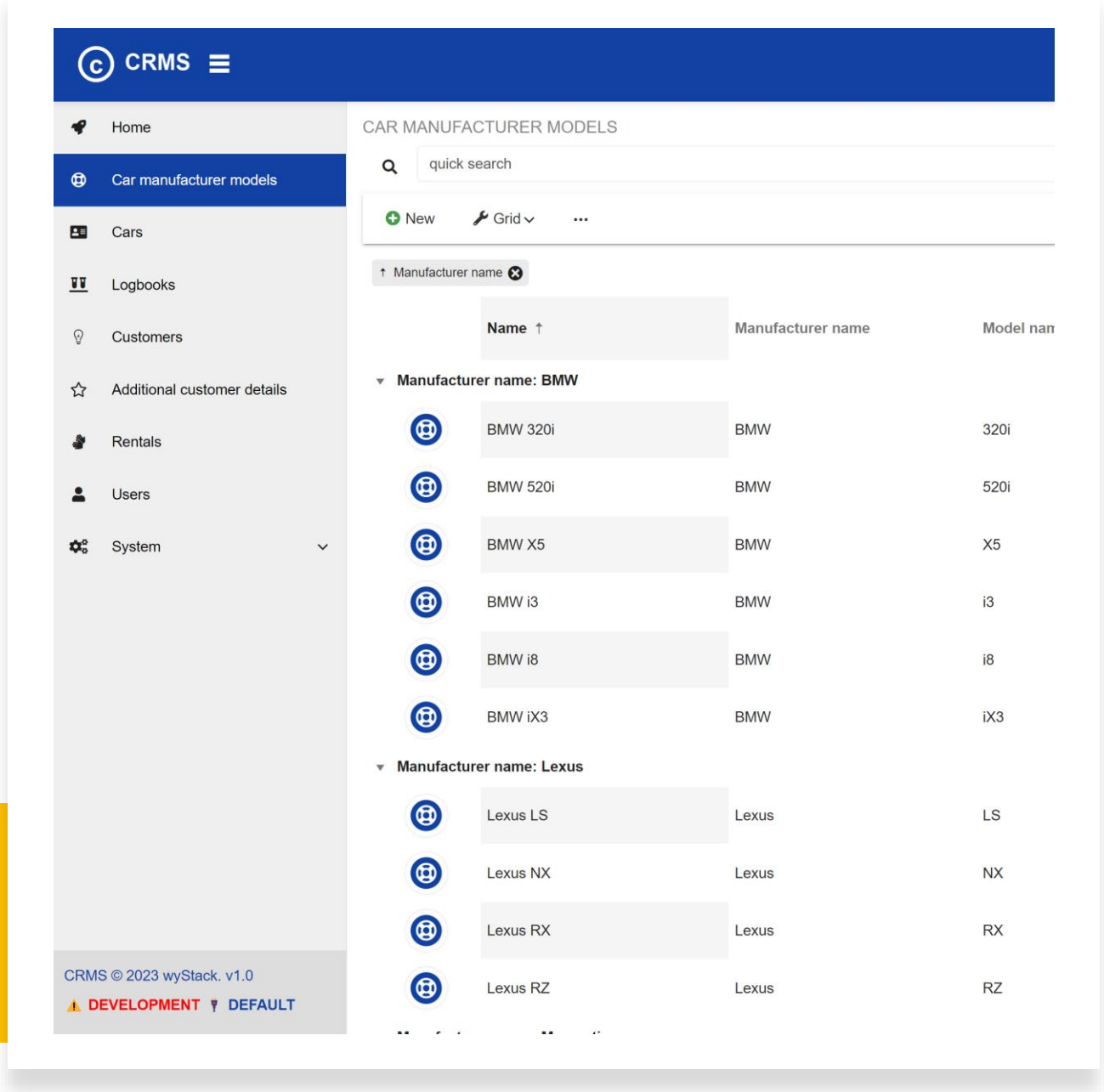
DATABASE OF CHOICE.



Flutter Android App

Angular Web Portal

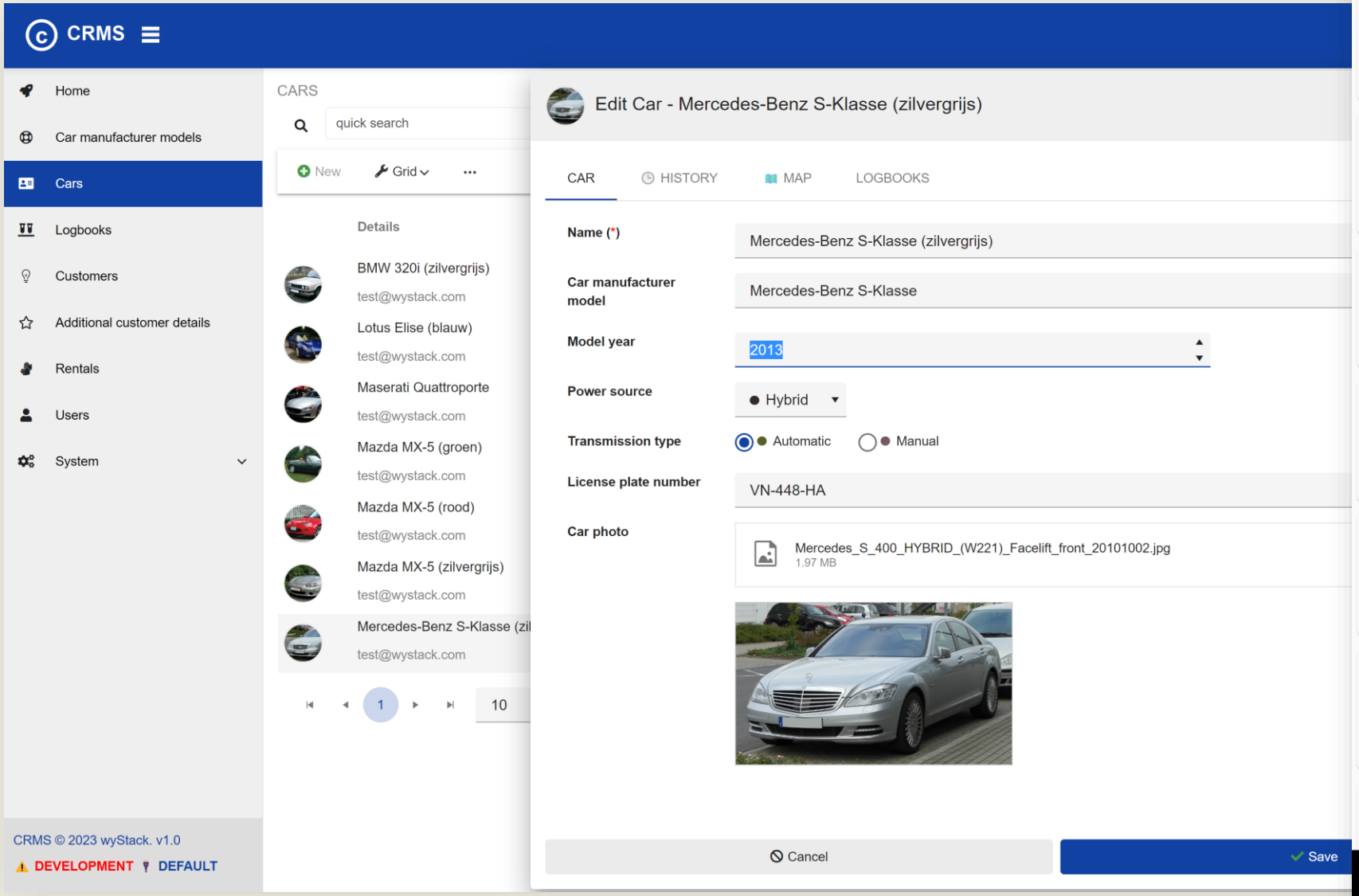


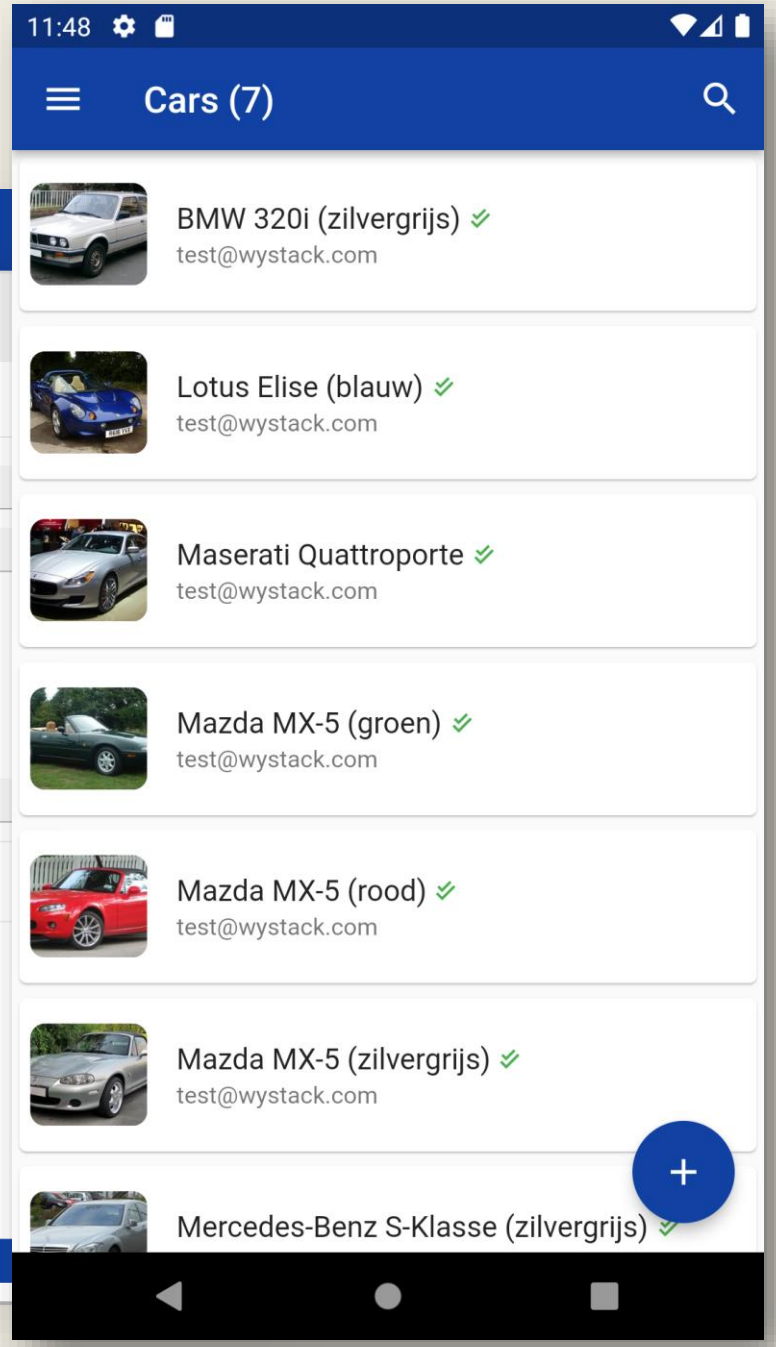


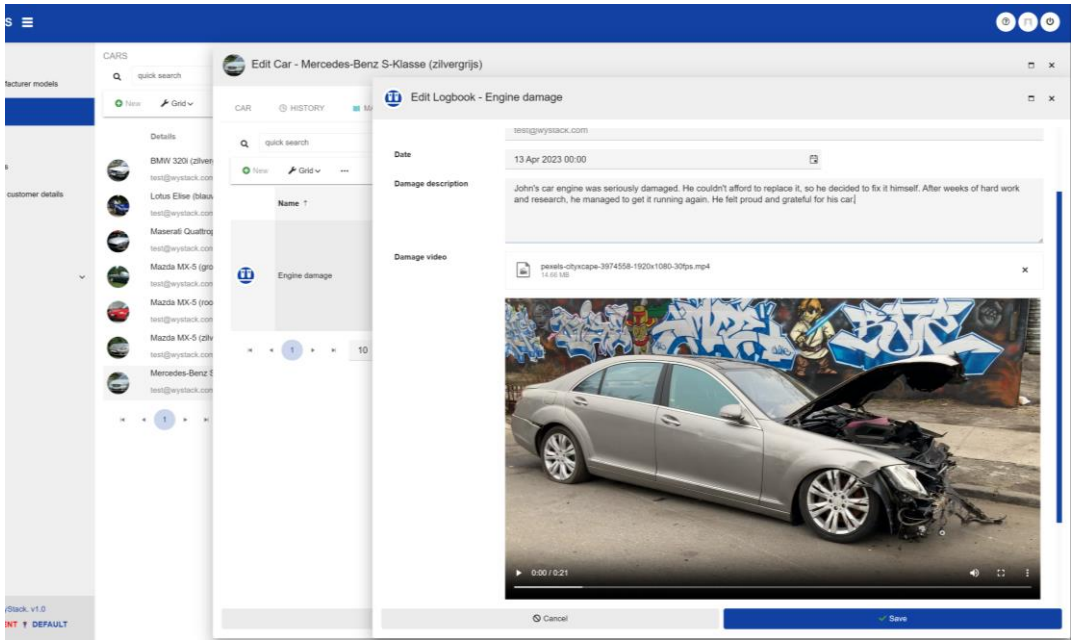
Model/manufacturer management

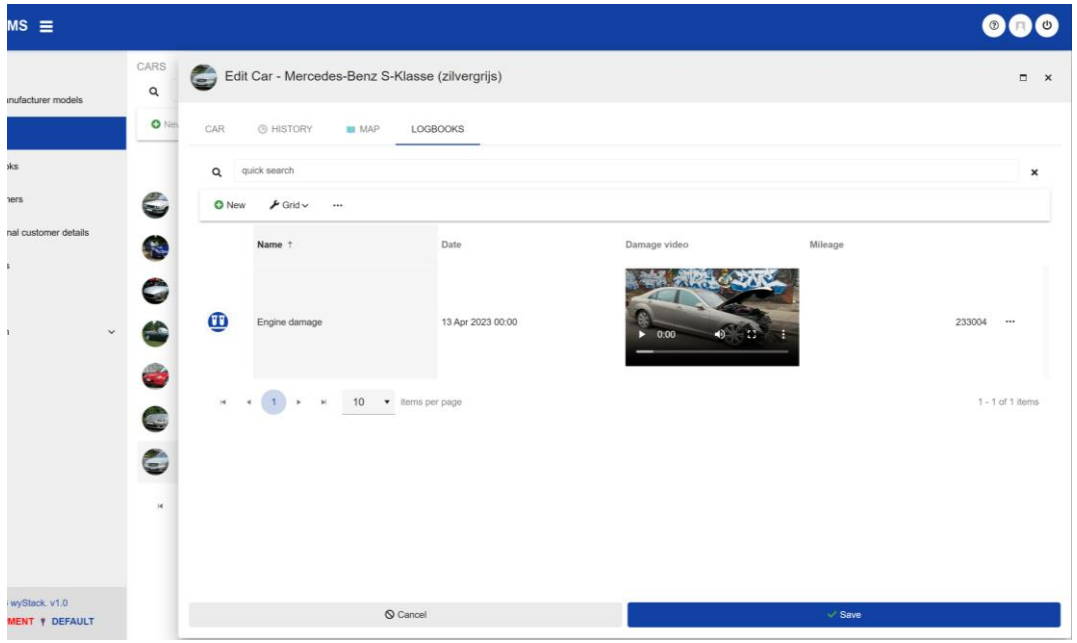
(web portal)

Car management

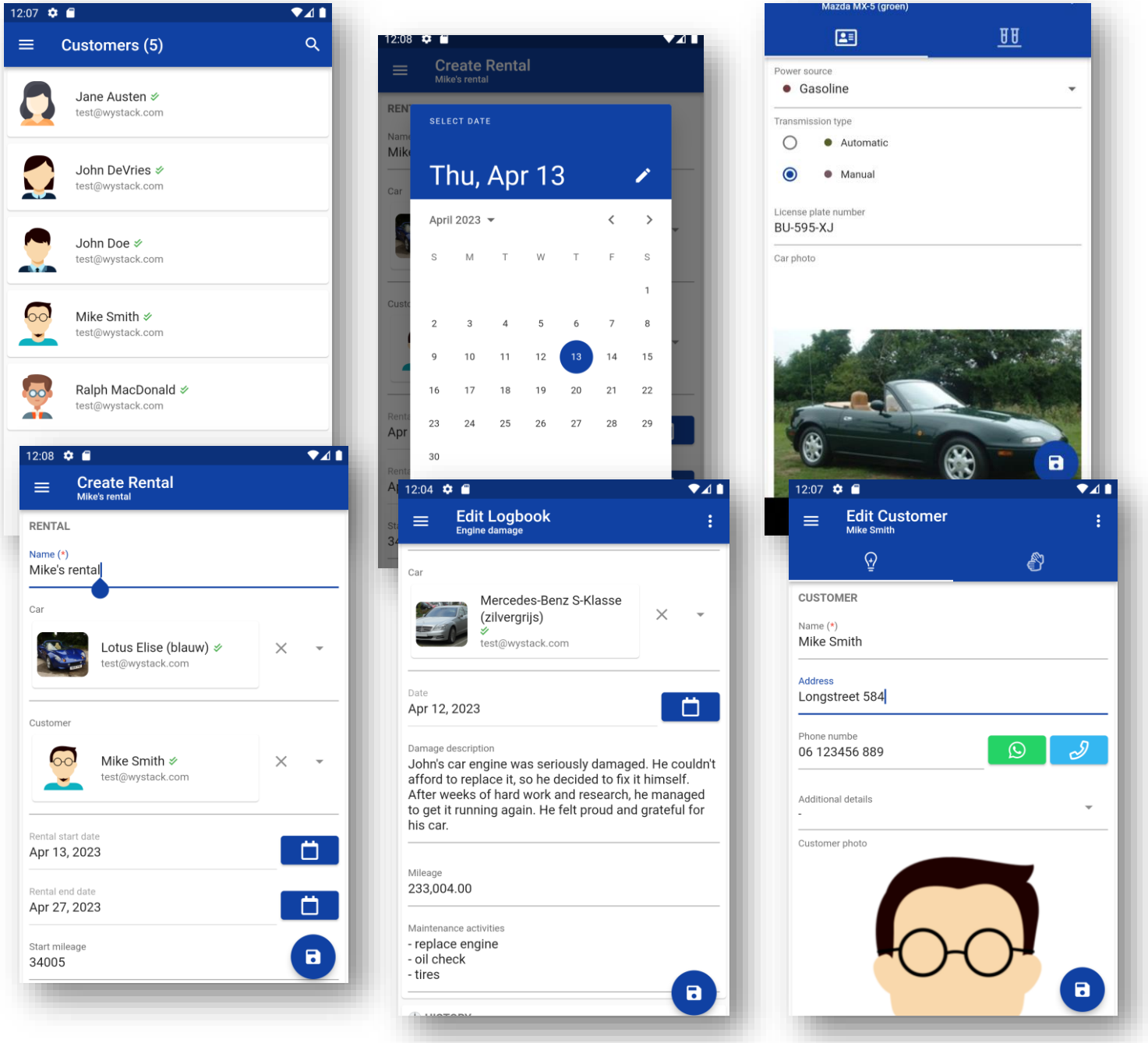








Car logbook, with damage video upload/player.

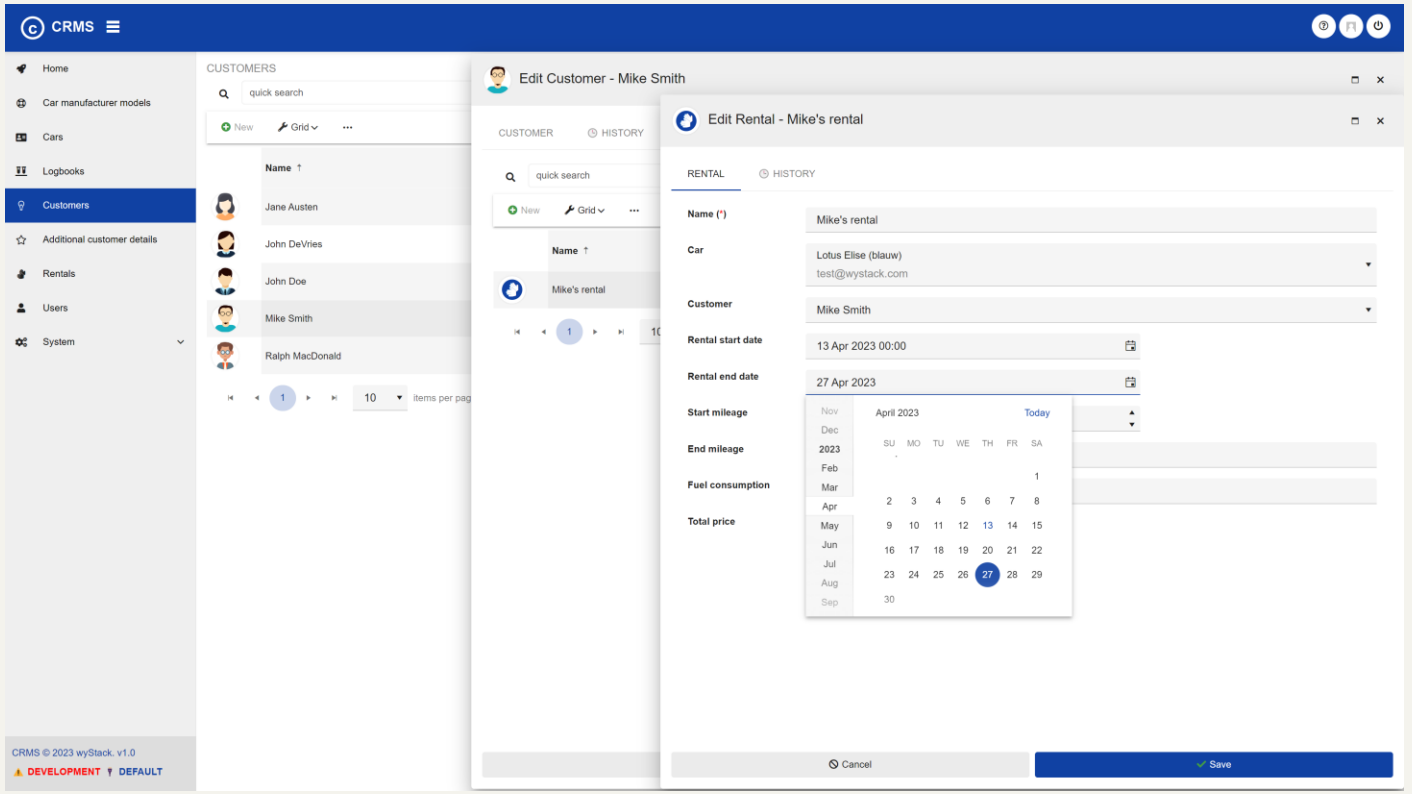


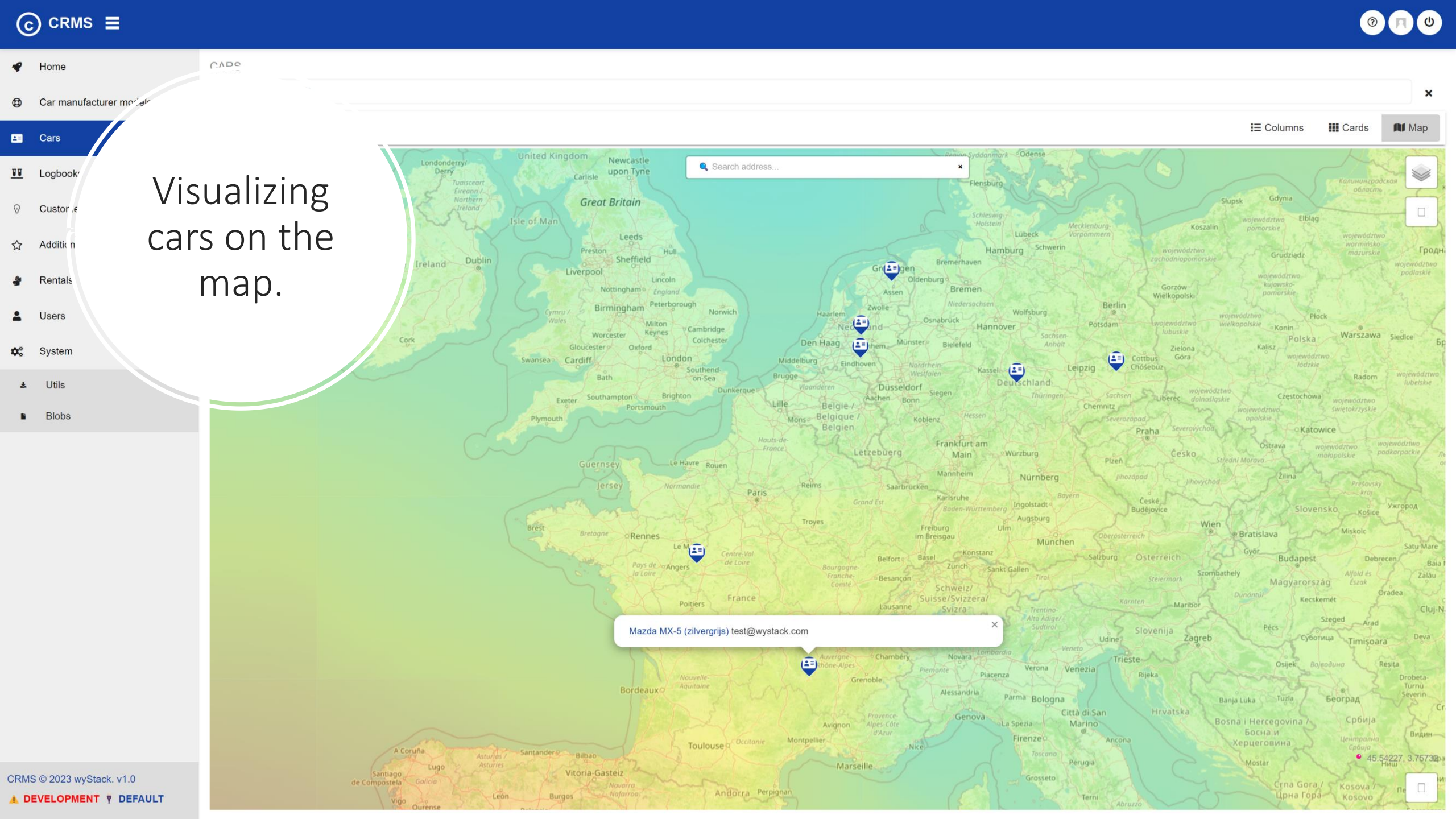
Car and rental management in the Android app.

(offline support)

Customer rental management

(web portal)




CRMS
Home
Car manufacturer models
Cars
Logbook
Customer
Additional
Rentals
Users
System
Utils
Blobs
Visualizing cars on the map.
Columns
Cards
Map
Search address...
Mazda MX-5 (zilvergrijs) test@wystack.com
CRMS © 2023 wyStack. v1.0
DEVELOPMENT
DEFAULT

Home
Car manufacturer models
Cars
Logbooks
Customers
Additional customer details
Rentals
Users
System
Utils
Blobs

CARS

quick search

New

Columns | Cards | Map

BMW 320i (zilvergrijs)

test@wystack.com

Lotus Elise (blauw)

test@wystack.com

Maserati Quattroporte

test@wystack.com

Mazda MX-5 (groen)

test@wystack.com

Mazda MX-5 (rood)

test@wystack.com

Mazda MX-5 (zilvergrijs)

test@wystack.com

Mercedes-Benz S-Klasse (zilvergrijs)

test@wystack.com

CRMS © 2023 wyStack. v1.0

DEVELOPMENT DEFAULT

CRMS

- Home
- Car manufacturer models
- Cars
- Logbooks
- Customers
- Additional customer details
- Rentals
- Users
- System
  - Utils
  - Blobs

CRMS © 2023 wyStack. v1.0

DEVELOPMENT DEFAULT

CUSTOMERS

quick search

New Grid

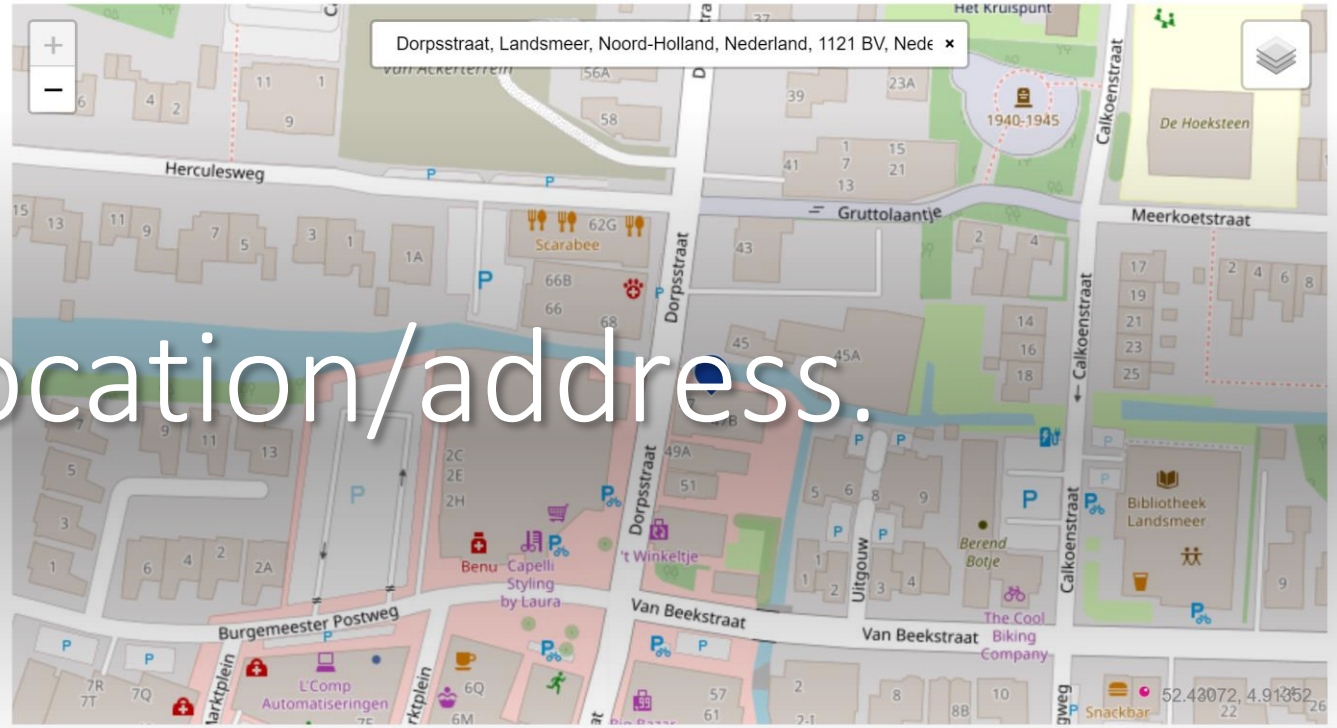
Name ↑
Jane Austen
John DeVries
John Doe
Mike Smith
Ralph MacDonald

1 10

Edit Customer - Jane Austen

CUSTOMER HISTORY MAP RENTALS

GPSLocation



52.4299676746836 , 4.914005677444173

Cancel Save

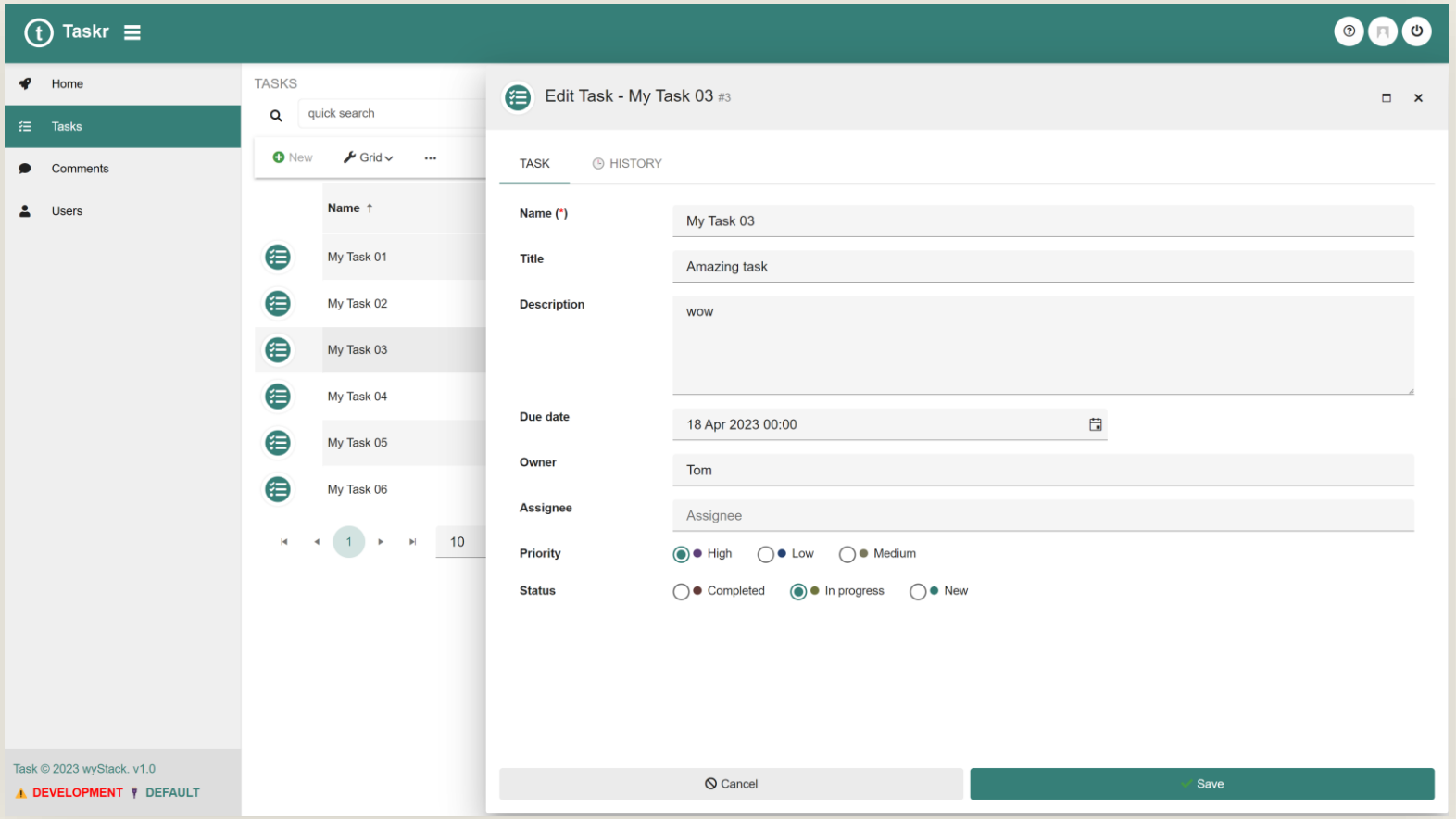
Customer location/address.

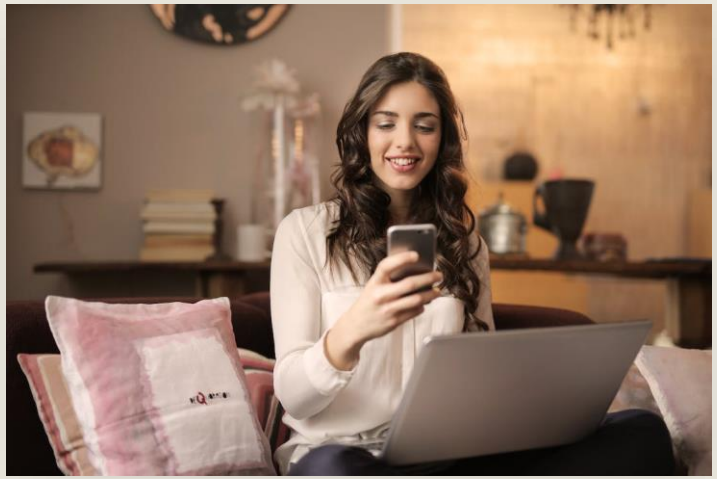
But there's more...

Check out the following sheets for some more examples of apps generated by AI.

Taskr

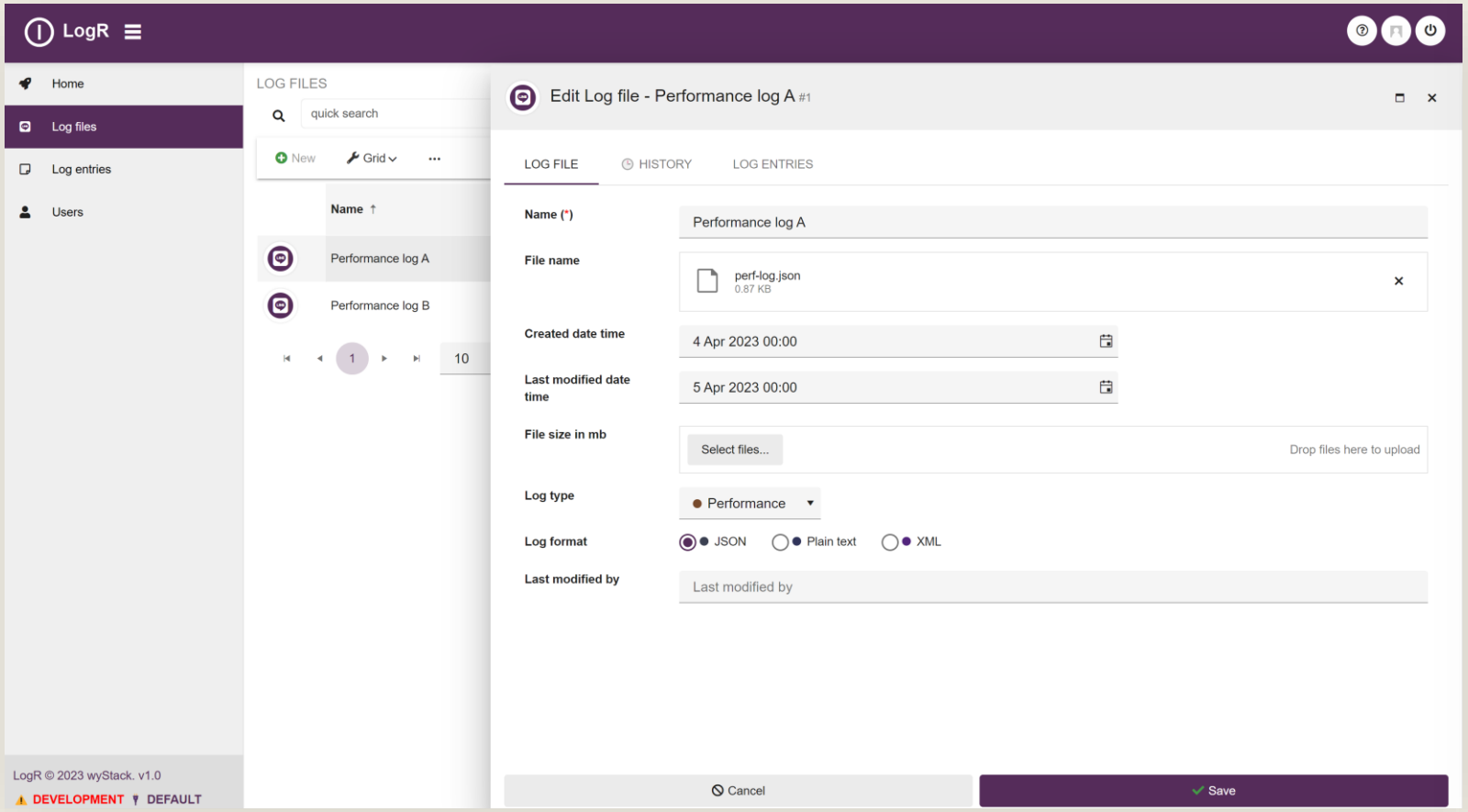
AI Input: An application to manage tasks.

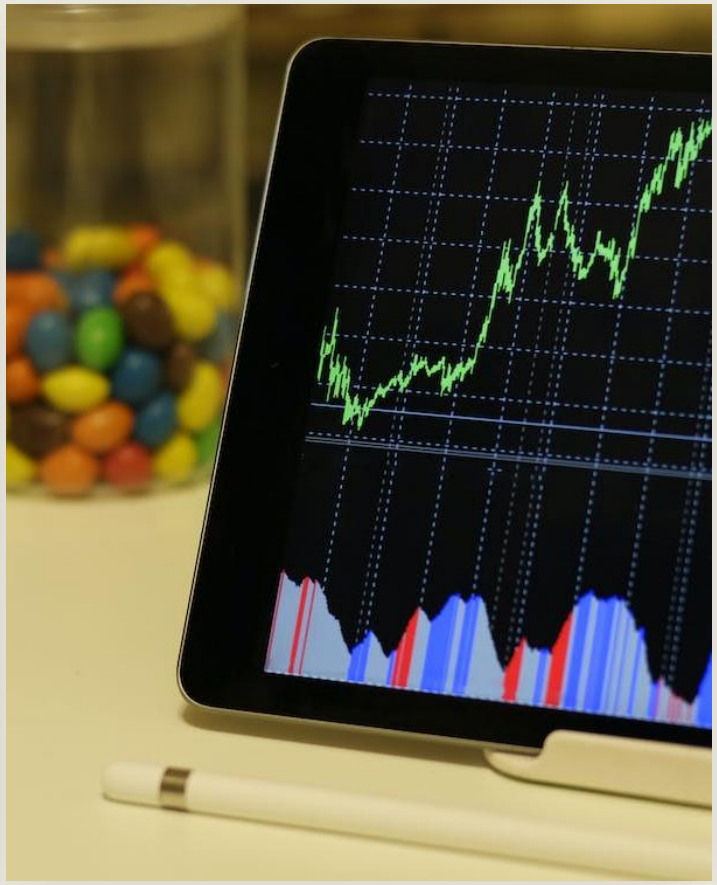




LogR

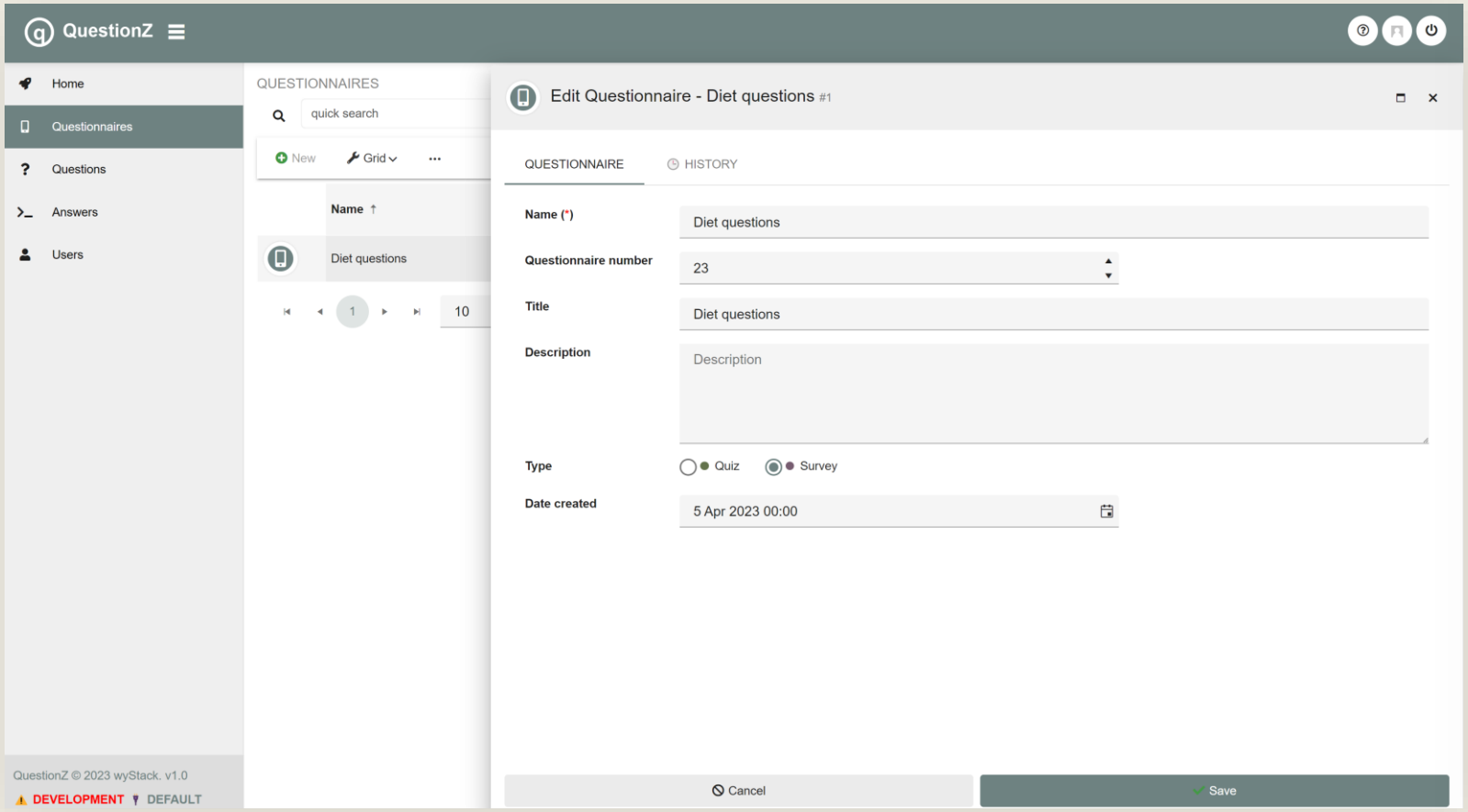
AI Input: An application to manage performance log files.

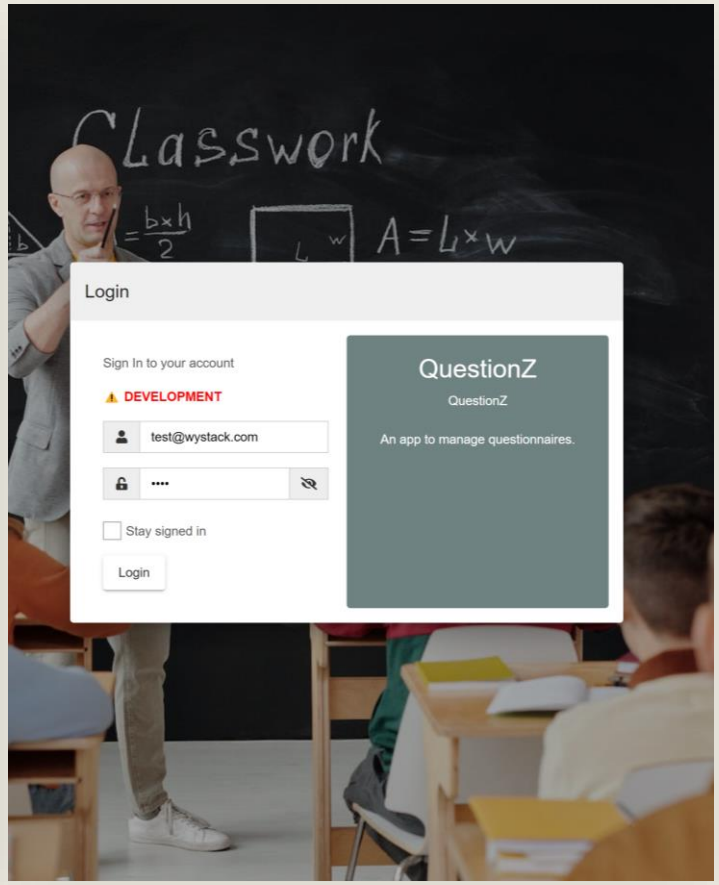




QuestionZ

AI Input: An app to manage questionnaires.





Building Manager

Home
Buildings
Organizations
Floors
Rooms
Doors
Windows
Technical installations
IFCModels
Users

IFCMODELS

quick search

New | Grid

Name
IFC model

1 | 10

Edit IFCModel - IFC model #1

IFCMODEL | HISTORY

Name (*) IFC model

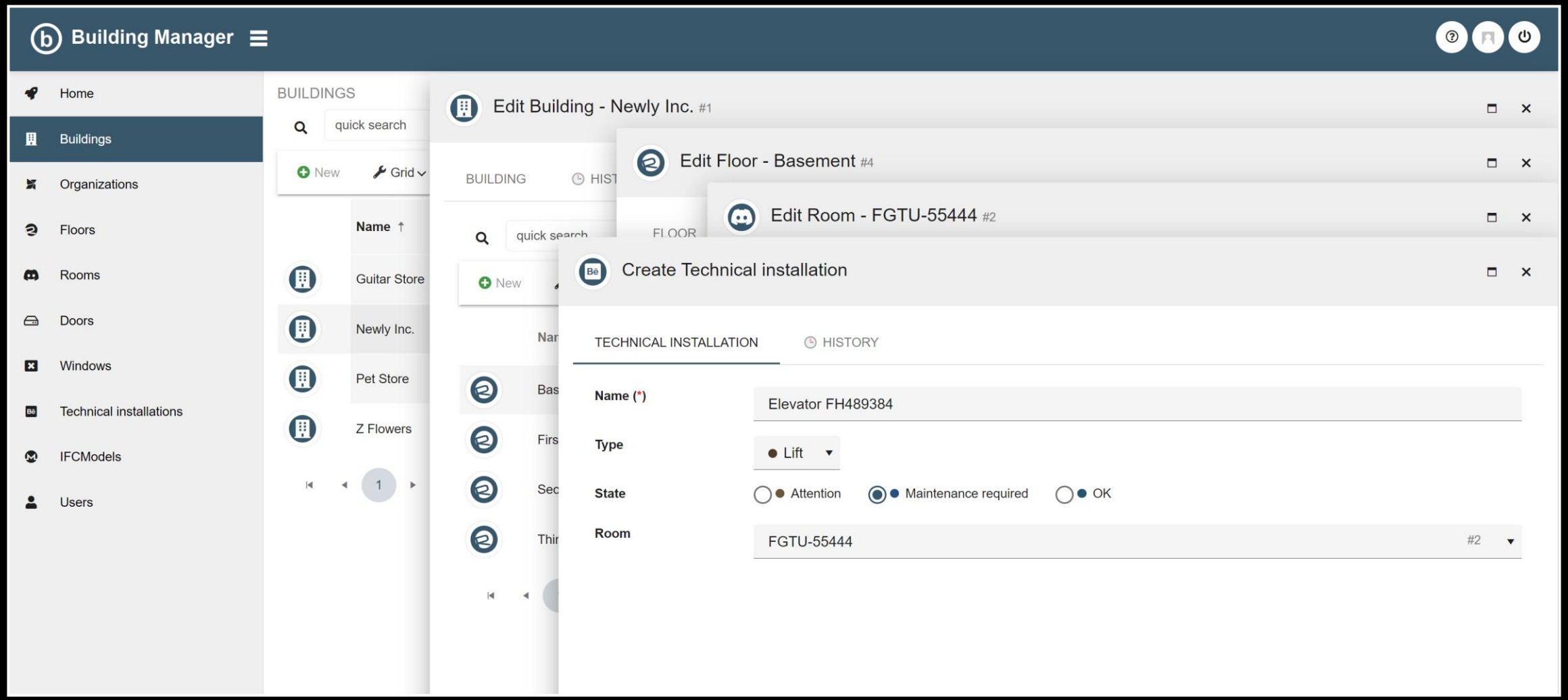
File name 231110AC11-Institute-Var-2-IFC.ifc 2.70 MB

Cancel | Save

Building Manager App with IFC support.

Building Manager © 2023 wyStack. v1.0

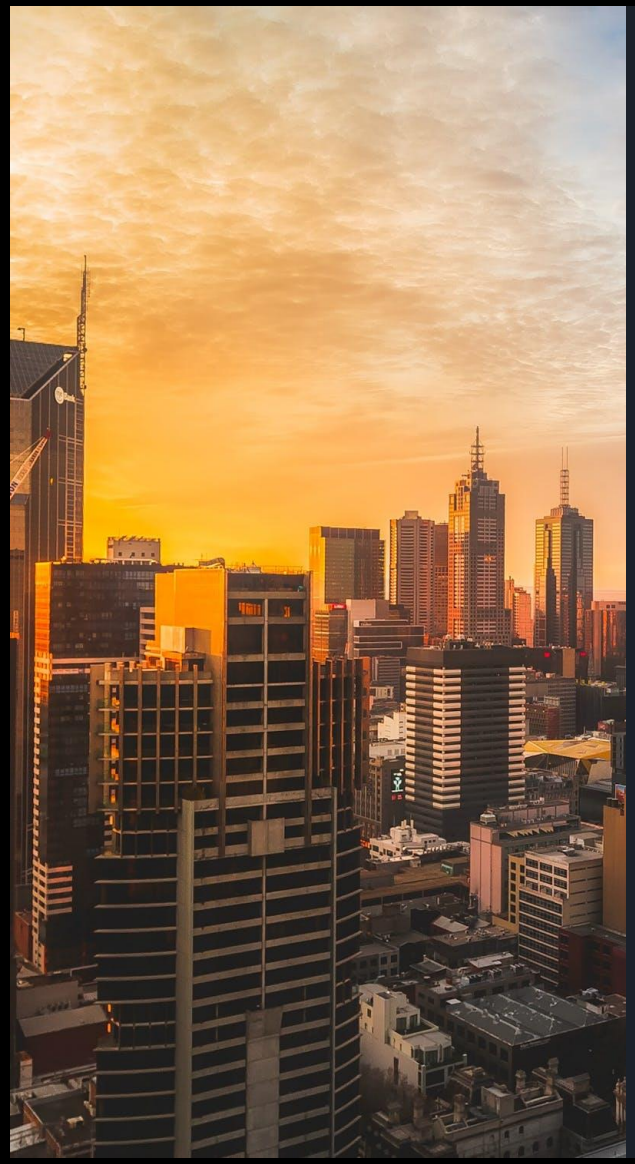
DEVELOPMENT DEFAULT



Edit floors, rooms, technical installations, state, etc.

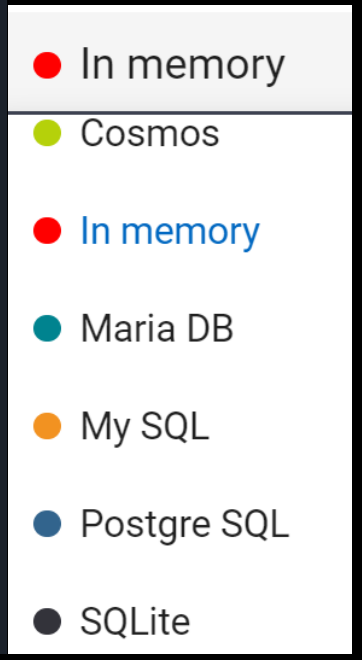
```
{
    "@odata.context": "http://localhost:9000/api/default/$metadata#IFCModels",
    "@odata.count": 1,
    "value": [
        {
            "FileName": "e76d028a-0ca8-4706-9baf-4d7c783a8a58",
            "FileName_Count": 1,
            "FileName_FirstUri": "http://localhost:9000/api/core/BlobSig(tenant='default',boxId='e76d028a-0ca8-
            "Name": "IFC model",
            "Created": "2023-04-03T19:57:05.9694324+00:00",
            "CreatedBy": "test@wystack.com",
            "Modified": "2023-04-03T20:24:50.3480961+00:00",
            "ModifiedBy": "test@wystack.com",
            "Id": 1,
            "DeleteStatus": 0
        }
    ]
}
```


OData REST API.



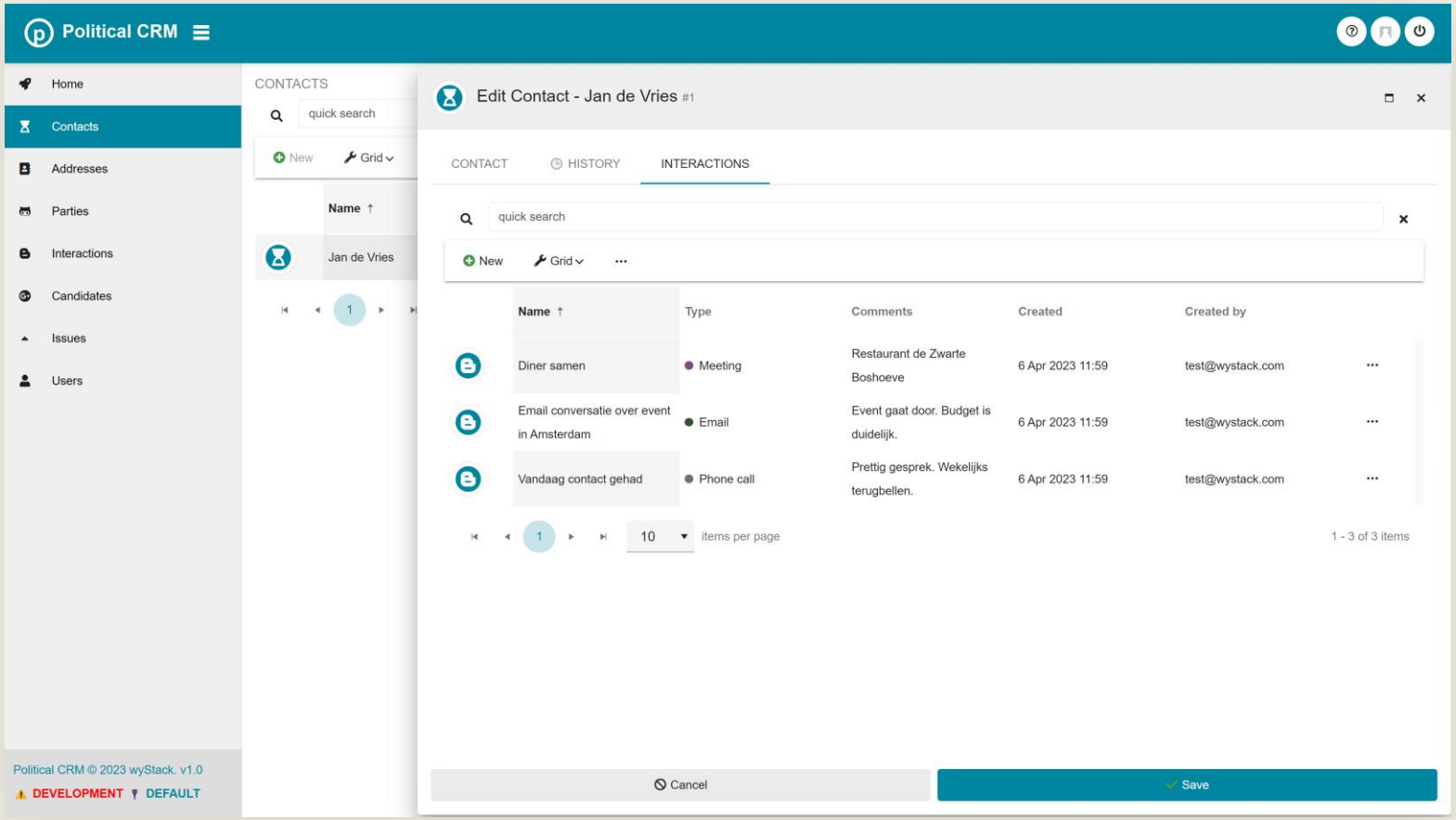
Next steps…

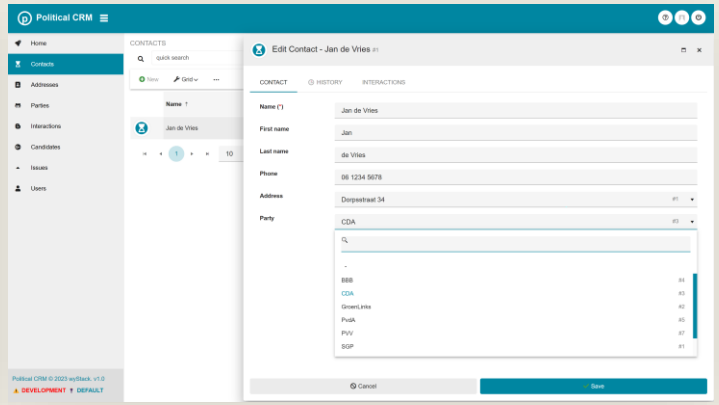
- Choose a database technology.
- Adjust the model using wyStack modeler.
- Add some code. (using ChatGPT 😉)
- Deploy to Azure or on-premise.

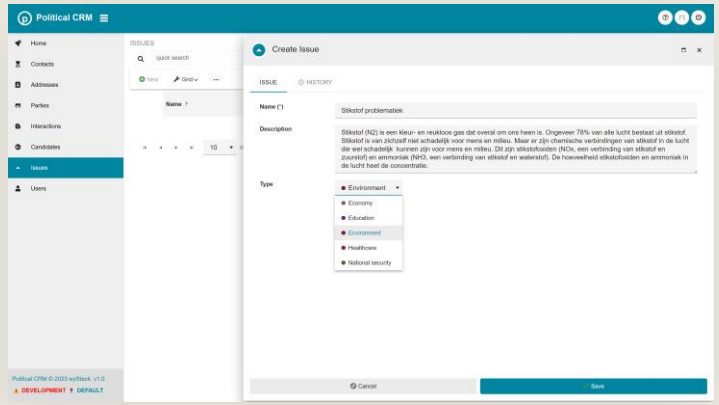


Political CRM

AI Input: A CRM system for a political party.

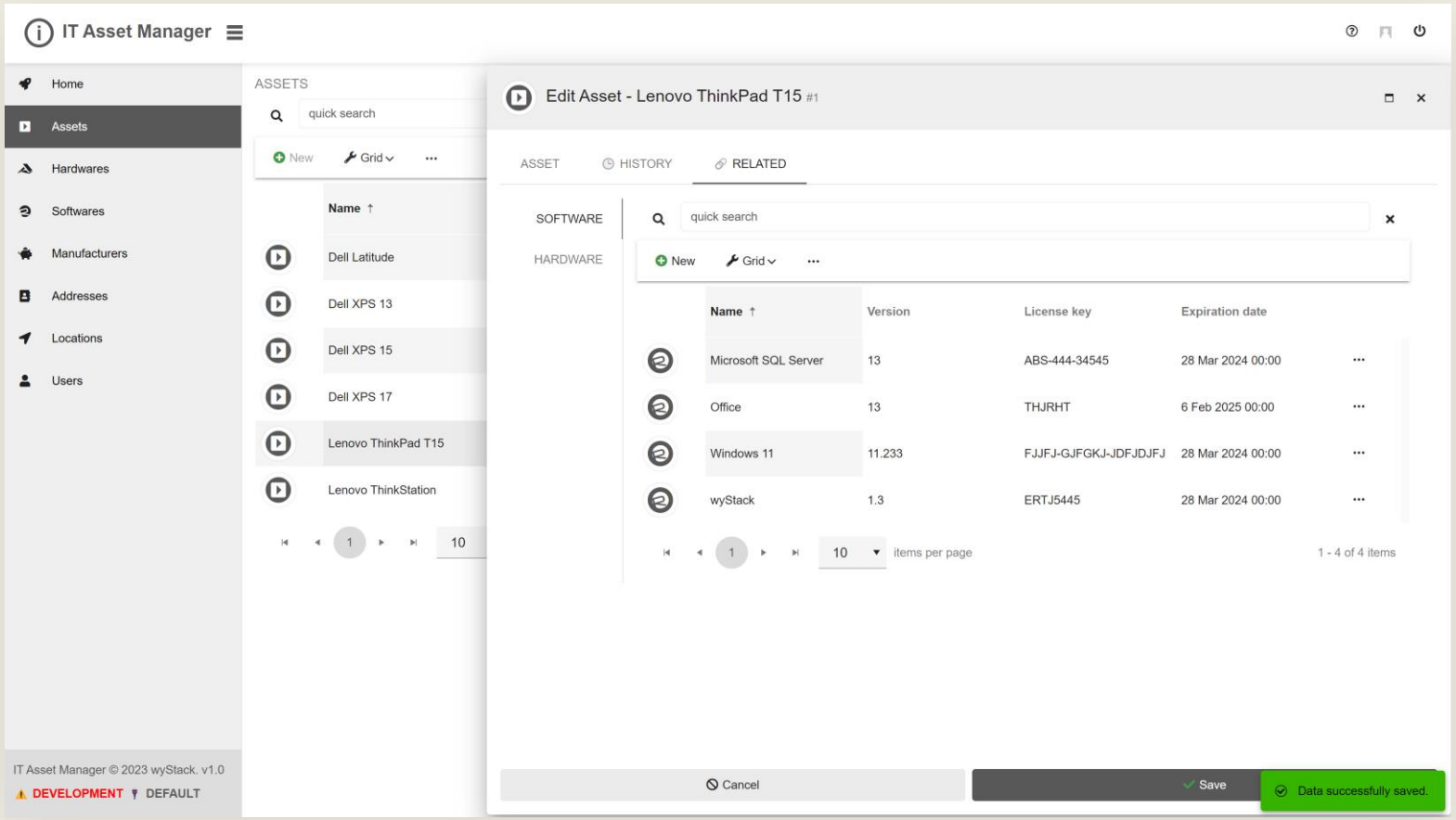


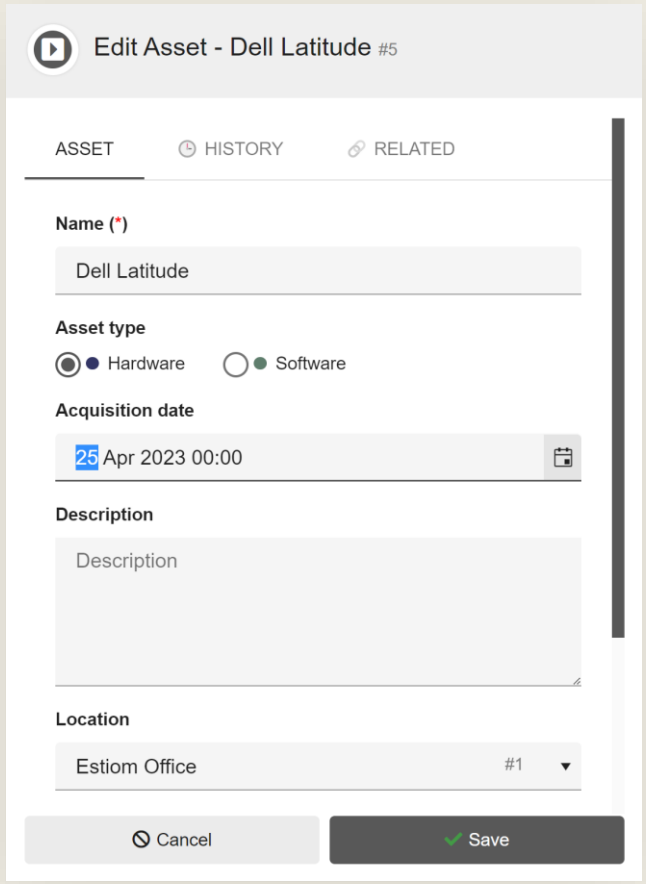




IT Asset Manager

AI Input: An application to manage all my IT assets.





AI-enabled Low-Code Platform for professional developers

wystack.com