

# Introducing wyStack AI

Combining wyStack with ChatGPT.



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





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

wyStack 1.3

[www.wystack.com](http://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.

A person wearing a white lab coat is holding a key with a black fob. The background is blurred, showing what appears to be a laboratory or office setting. The text is overlaid on the image in a white, sans-serif font.

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

1 - 1 of 1 items

- 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, in

current GPS location,

2.2 Logbook Manage

The CRMS must supp

Auto generate color

Color

AIType

Open AI

Cancel

Please wait...

Your request is being processed...

generate model using AI

A woman with long brown hair, wearing a bright yellow short-sleeved button-down shirt, blue jeans, and white sneakers, is sitting cross-legged on the rear of a white car. She is wearing dark sunglasses and looking down at a smartphone in her right hand. The car is parked on a rocky cliff overlooking the ocean. The background shows a rugged coastline with cliffs and a blue sea under a cloudy sky. The text "Let's see what happened..." is overlaid in white on the left side of the image.

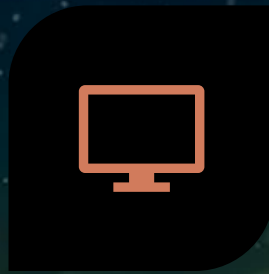
Let's see what happened...



# 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.

11:14 [Settings] [Storage]

CRMS

# CRMS

Sign In to your account

⚠️ DEVELOPMENT

Username

Password  [Eye Icon]

Login

1.0  
http://192.168.1.35:9000/api

Flutter Android App

Angular Web Portal

Login

Sign In to your account

⚠️ DEVELOPMENT

[Eye Icon]

☐ Stay signed in

Login

CRMS

CRMS

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

CRMS

Home

Car manufacturer models

Cars

Logbooks

Customers

Additional customer details

Rentals

Users

System

CAR MANUFACTURER MODELS

quick search

New

Grid

Manufacturer name

	Name	Manufacturer name	Model nan
Manufacturer name: BMW			
	BMW 320i	BMW	320i
	BMW 520i	BMW	520i
	BMW X5	BMW	X5
	BMW i3	BMW	i3
	BMW i8	BMW	i8
	BMW iX3	BMW	iX3
Manufacturer name: Lexus			
	Lexus LS	Lexus	LS
	Lexus NX	Lexus	NX
	Lexus RX	Lexus	RX
	Lexus RZ	Lexus	RZ

CRMS © 2023 wyStack. v1.0

DEVELOPMENT

DEFAULT

Model/manufacturer  
management  
  
(web portal)

# Car management

CRMS

Home

Car manufacturer models

Cars

Logbooks

Customers

Additional customer details

Rentals

Users

System

CARS

quick search

New

Grid

Details

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

1

10

Edit Car - Mercedes-Benz S-Klasse (zilvergrijs)

CAR

HISTORY

MAP

LOGBOOKS

Name (\*)

Mercedes-Benz S-Klasse (zilvergrijs)

Car manufacturer model

Mercedes-Benz S-Klasse

Model year

2013

Power source

Hybrid

Transmission type

Automatic

Manual

License plate number

VN-448-HA

Car photo

Mercedes\_S\_400\_HYBRID\_(W221)\_Facelift\_front\_20101002.jpg

1.97 MB

Cancel

Save

11:48

Cars (7)

BMW 320i (zilvergrijs) ✓  
test@wystack.com

Lotus Elise (blauw) ✓  
test@wystack.com

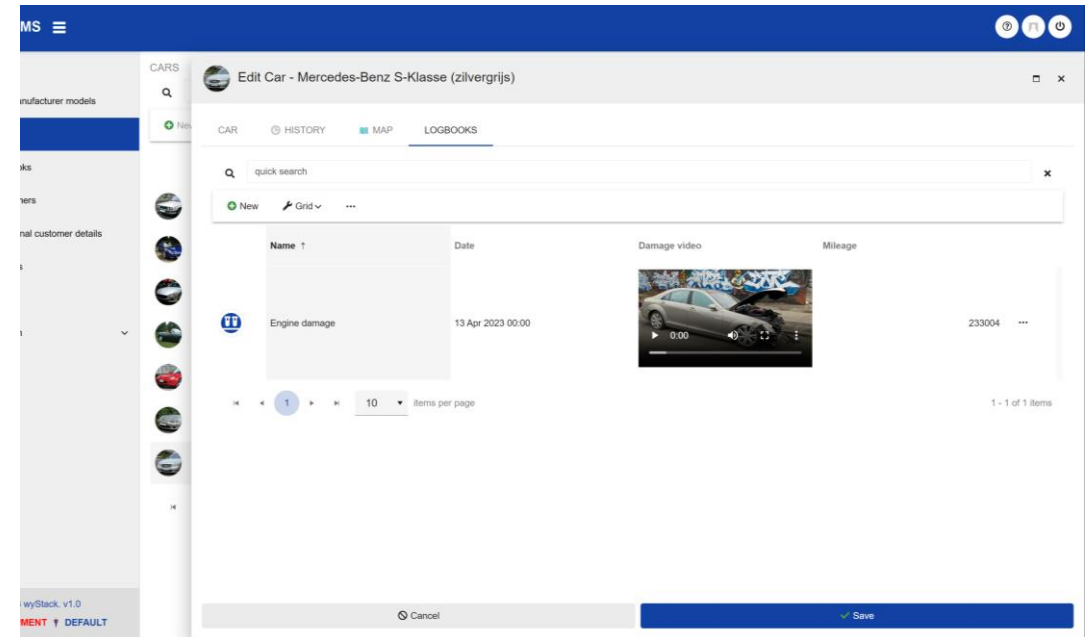
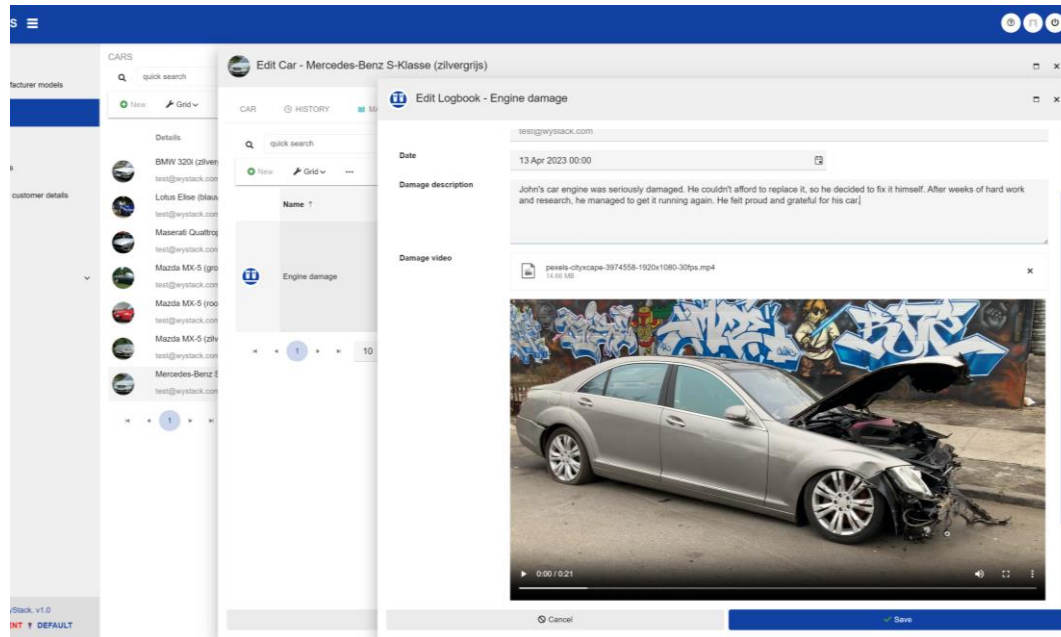
Maserati Quattroporte ✓  
test@wystack.com

Mazda MX-5 (groen) ✓  
test@wystack.com

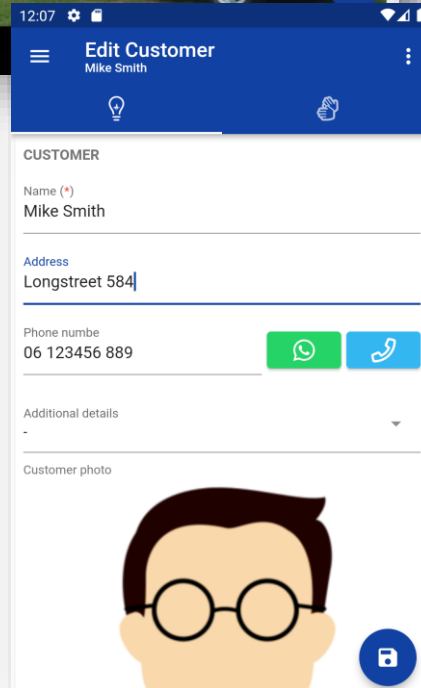
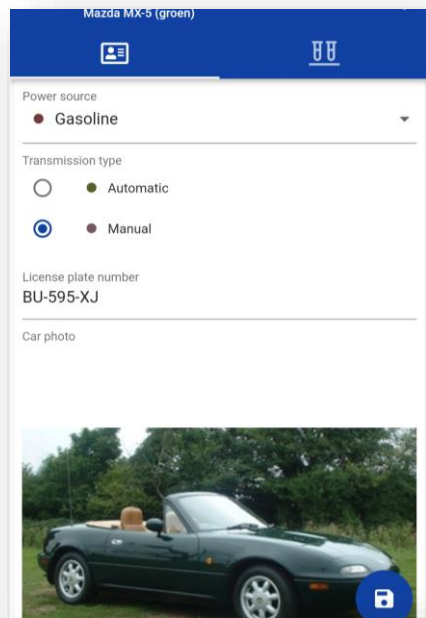
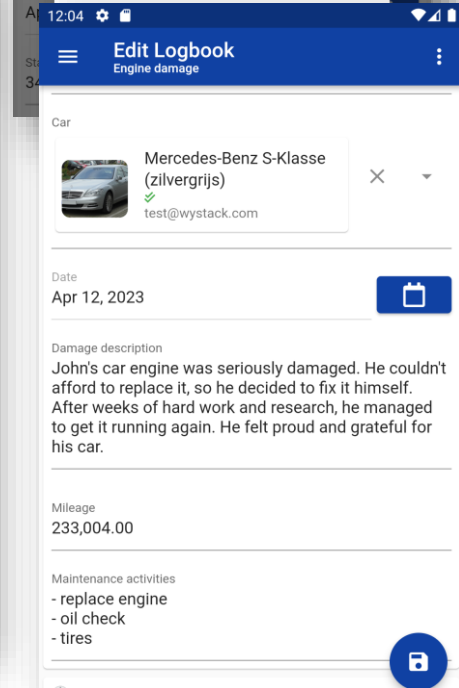
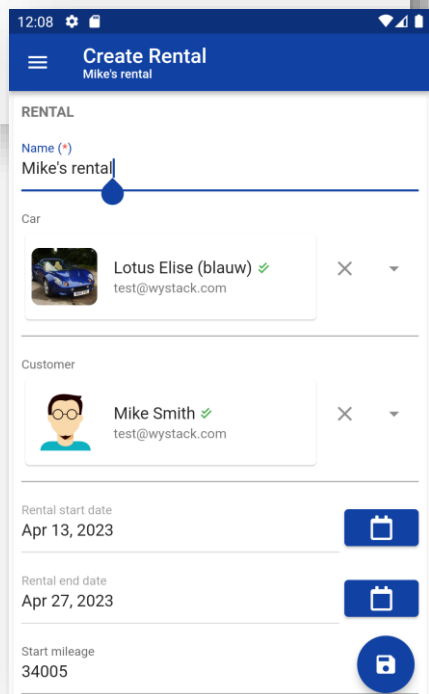
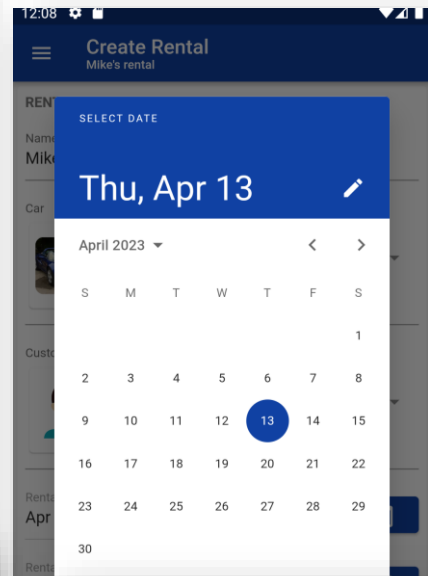
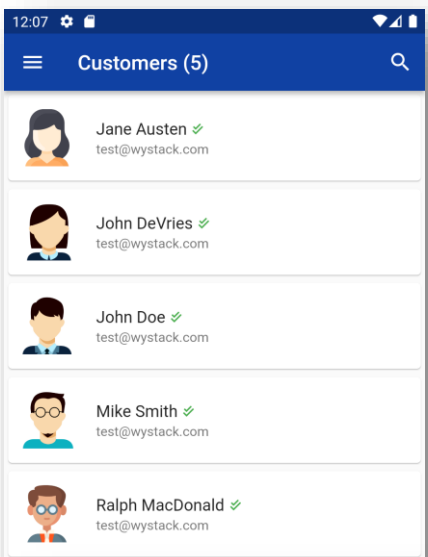
Mazda MX-5 (rood) ✓  
test@wystack.com

Mazda MX-5 (zilvergrijs) ✓  
test@wystack.com

Mercedes-Benz S-Klasse (zilvergrijs) ✓



Car logbook, with damage video upload/player.



Car and rental  
management in  
the Android app.  
  
(offline support)

# Customer rental management (web portal)

The screenshot displays a web portal for customer rental management. The interface is divided into a sidebar, a main content area, and two overlapping modal windows.

**Sidebar:**

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

**Customers List:**

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

**Modal Windows:**

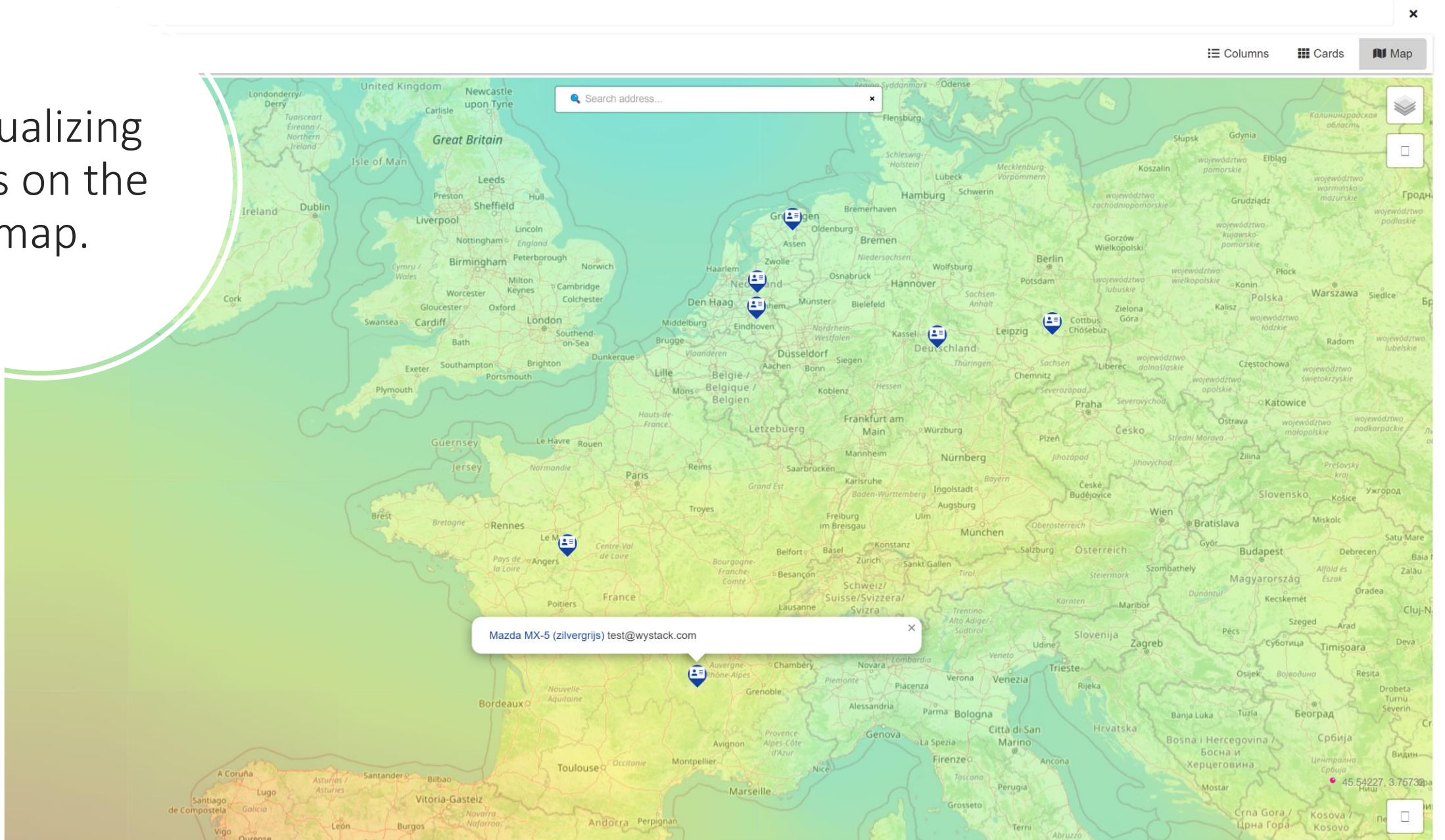
- Edit Customer - Mike Smith:** This modal window shows the customer's details. It includes a search bar, a list of customers, and a pagination control showing 10 items per page.
- Edit Rental - Mike's rental:** This modal window shows the rental details. It includes a search bar, a list of rentals, and a calendar for selecting the rental start and end dates. The calendar shows the month of April 2023, with the 27th selected.

**Footer:**

CRMS © 2023 wyStack. v1.0  
DEVELOPMENT DEFAULT



Visualizing cars on the map.





CARS

quick search

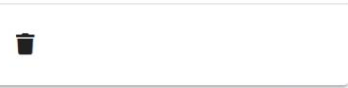
+ New

Columns Cards Map



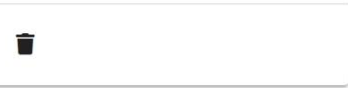
BMW 320i (zilvergrijs)

test@wystack.com



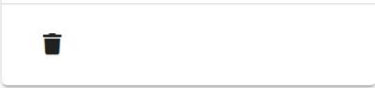
Lotus Elise (blauw)

test@wystack.com



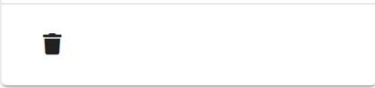
Maserati Quattroporte

test@wystack.com



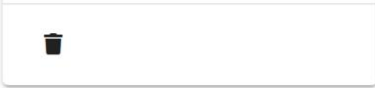
Mazda MX-5 (groen)

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



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

CUSTOMERS

quick search

New Grid

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

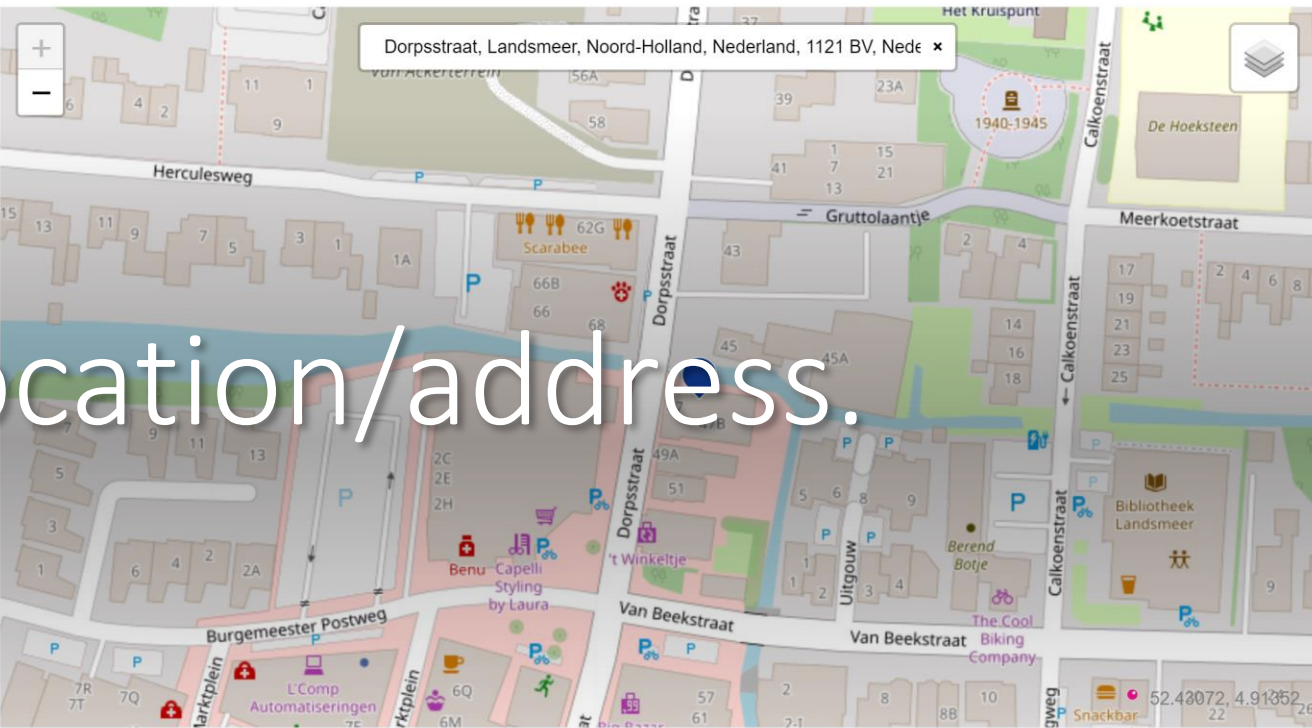
1 10



Edit Customer - Jane Austen

CUSTOMER HISTORY MAP RENTALS

GPSLocation



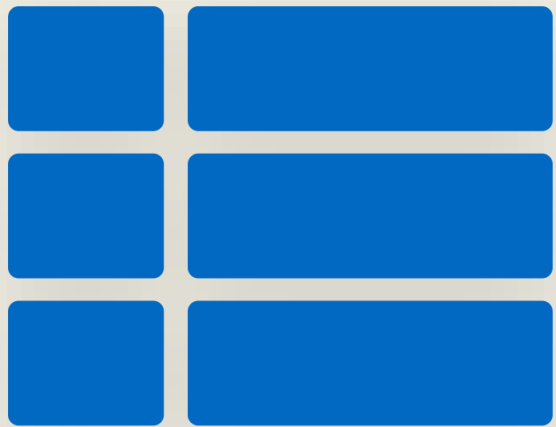
52.4299676746836 4.914005677444173

Cancel

Save

# But there's more...

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



# wyStack

# Taskr

AI Input: An application to manage tasks.

Taskr

Home

Tasks

Comments

Users

TASKS

quick search

New Grid

Name ↑

My Task 01

My Task 02

My Task 03

My Task 04

My Task 05

My Task 06

110

Task © 2023 wyStack. v1.0

DEVELOPMENT DEFAULT

Edit Task - My Task 03 #3

TASK

HISTORY

Name (\*)

My Task 03

Title

Amazing task

Description

wow

Due date

18 Apr 2023 00:00

Owner

Tom

Assignee

Assignee

Priority

High

Low

Medium

Status

Completed

In progress

New

Cancel

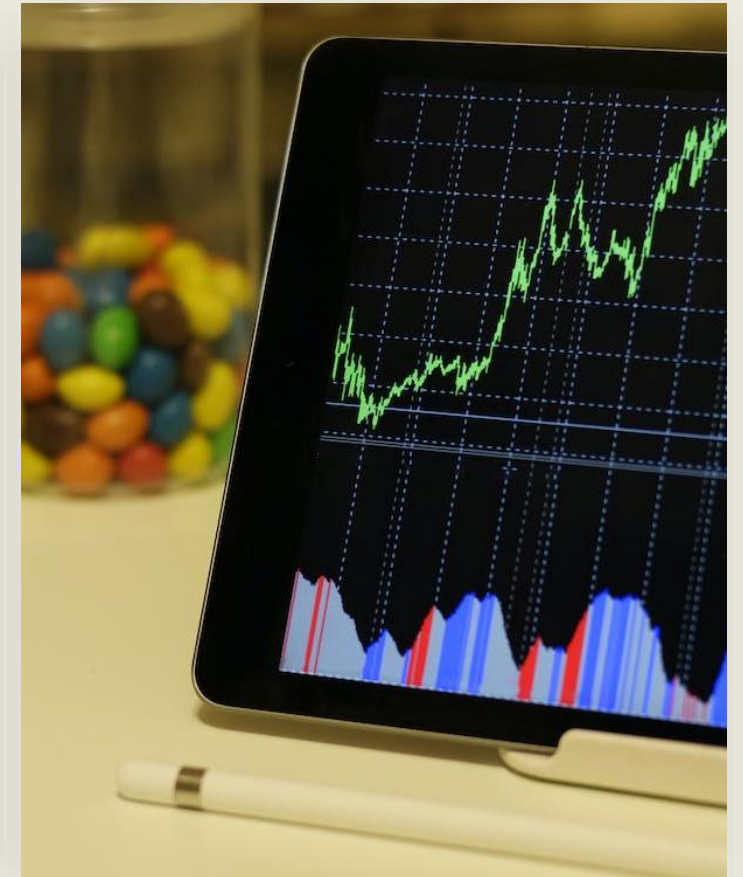
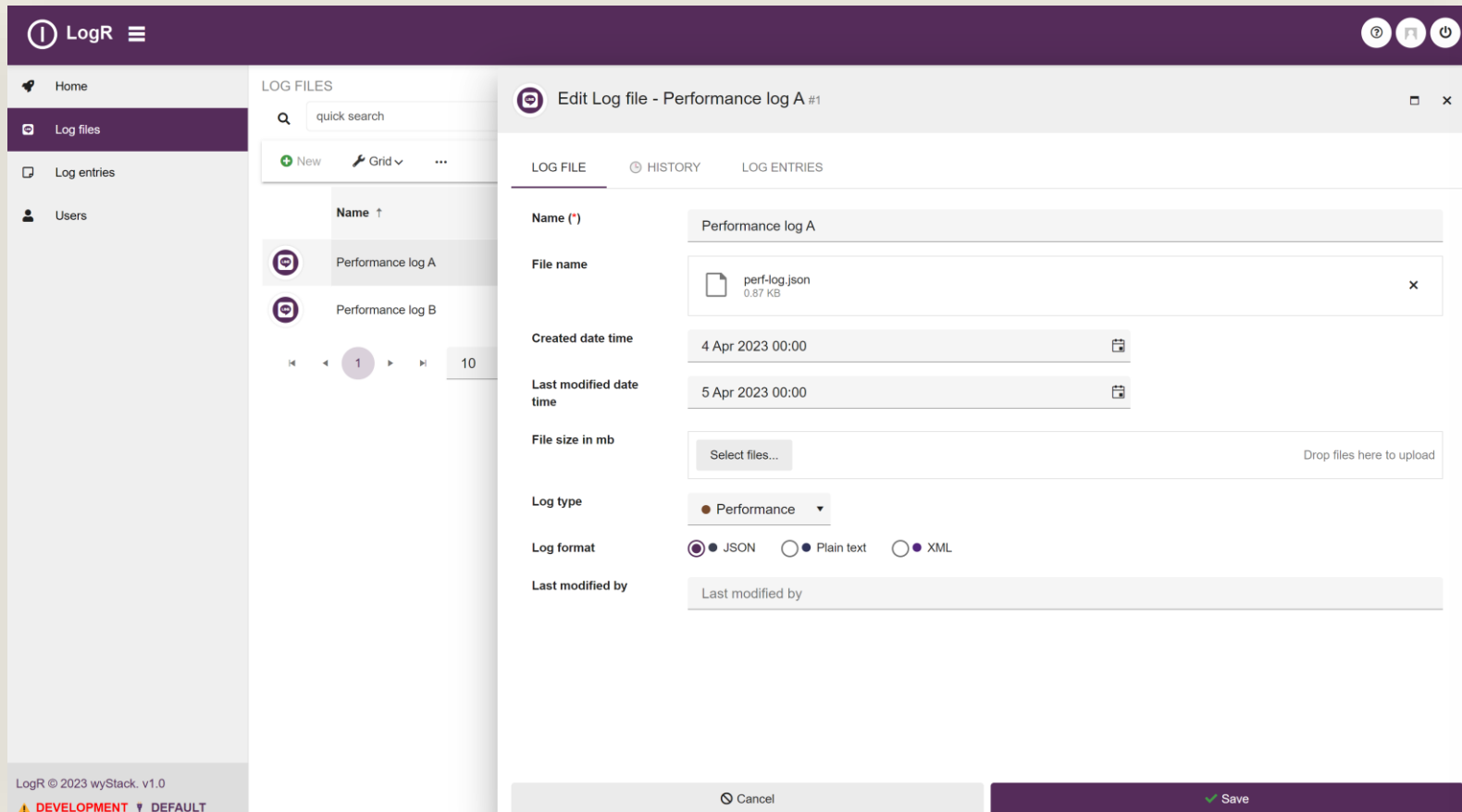
Save





# LogR

AI Input: An application to manage performance log files.



# QuestionZ

AI Input: An app to manage questionnaires.

q QuestionZ

Home

Questionnaires

Questions

Answers

Users

QUESTIONNAIRES

quick search

NewGrid

Name ↑
Diet questions

110

Edit Questionnaire - Diet questions #1

QUESTIONNAIREHISTORY

Name (\*)

Diet questions

Questionnaire number

23

Title

Diet questions

Description

Description

Type

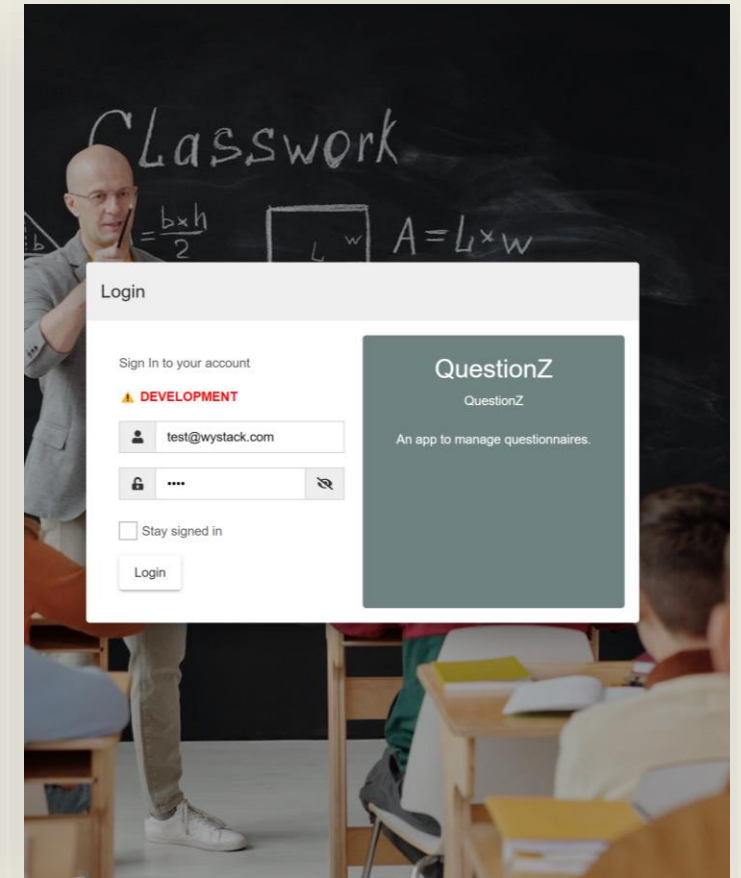
☐ Quiz☒ Survey











Date created

5 Apr 2023 00:00


Cancel




Save








-  Home
-  Buildings
-  Organizations
-  Floors
-  Rooms
-  Doors
-  Windows
-  Technical installations
-  **IFCModels**
-  Users




IFCMODELS


 quick search

 New  Grid 

	Name ↑
	IFC model



  1   10

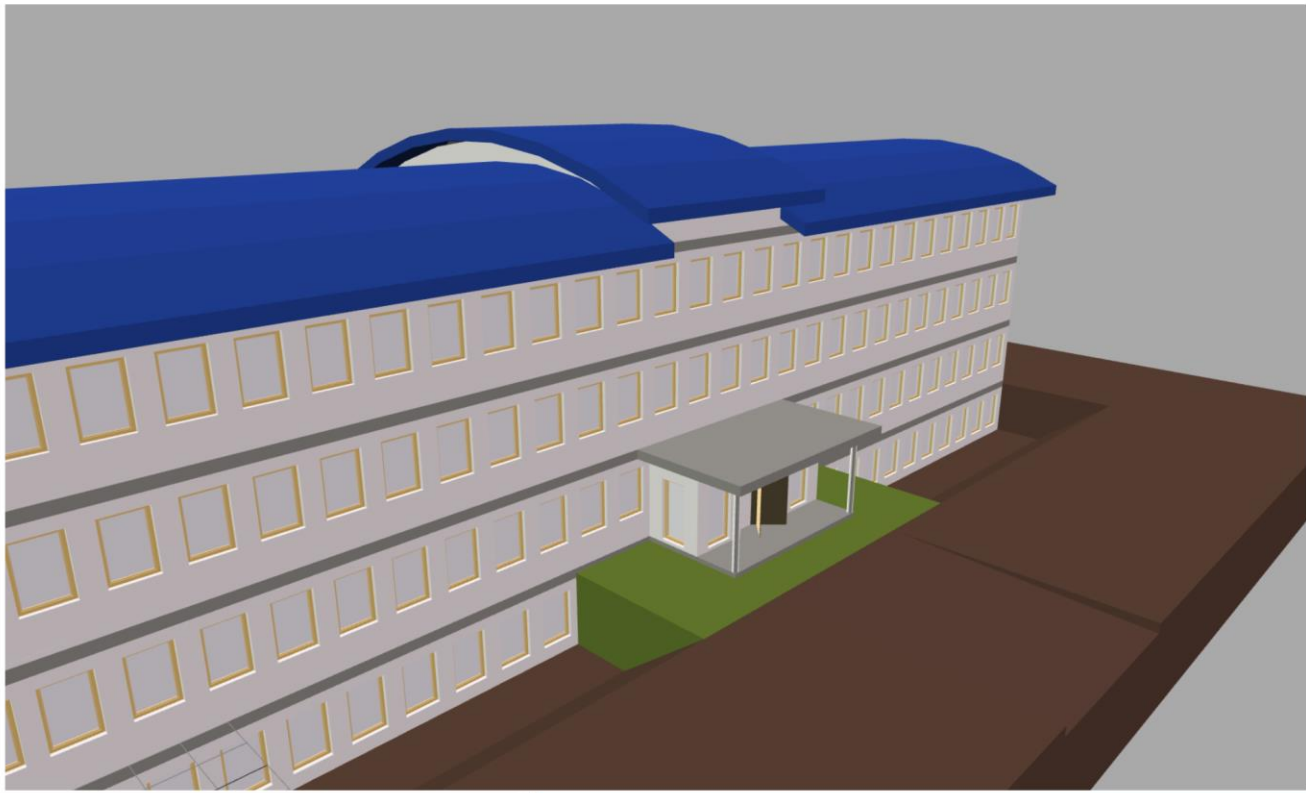
 Edit IFCModel - IFC model #1  



IFCMODEL  HISTORY

Name (\*) IFC model

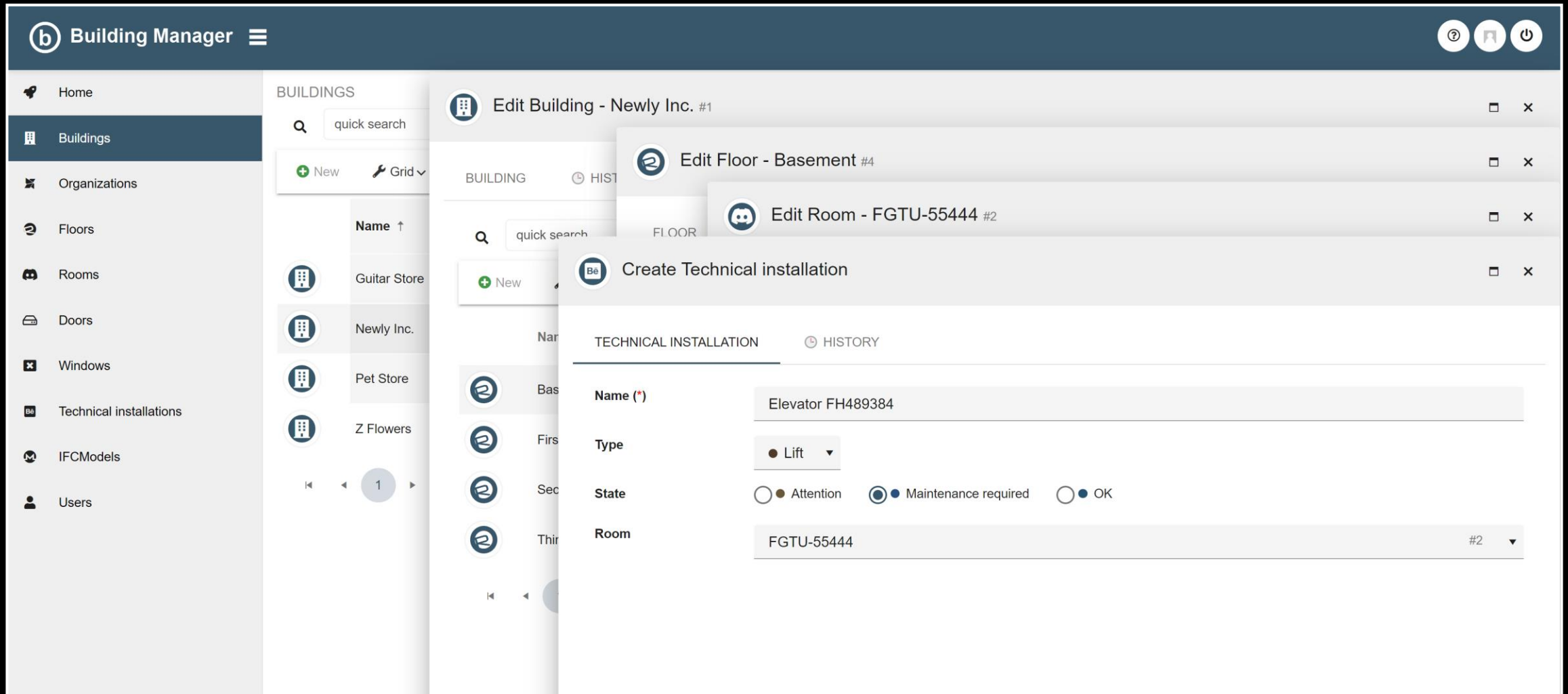
File name

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



 Cancel  Save

Building Manager App  
with IFC support.



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.

● In memory

● Cosmos

● In memory

● Maria DB

● My SQL

● Postgre SQL

● SQLite

# Political CRM

AI Input: A CRM system for a political party.

The screenshot shows the 'Edit Contact' form for 'Jan de Vries #1'. The form has tabs for 'CONTACT', 'HISTORY', and 'INTERACTIONS'. The 'INTERACTIONS' tab is active, displaying a table of interactions. The table has columns: Name, Type, Comments, Created, and Created by. There are three interactions listed: 'Diner samen' (Meeting), 'Email conversatie over event in Amsterdam' (Email), and 'Vandaag contact gehad' (Phone call). The footer shows 'Political CRM © 2023 wyStack, v1.0' and 'DEVELOPMENT' status.

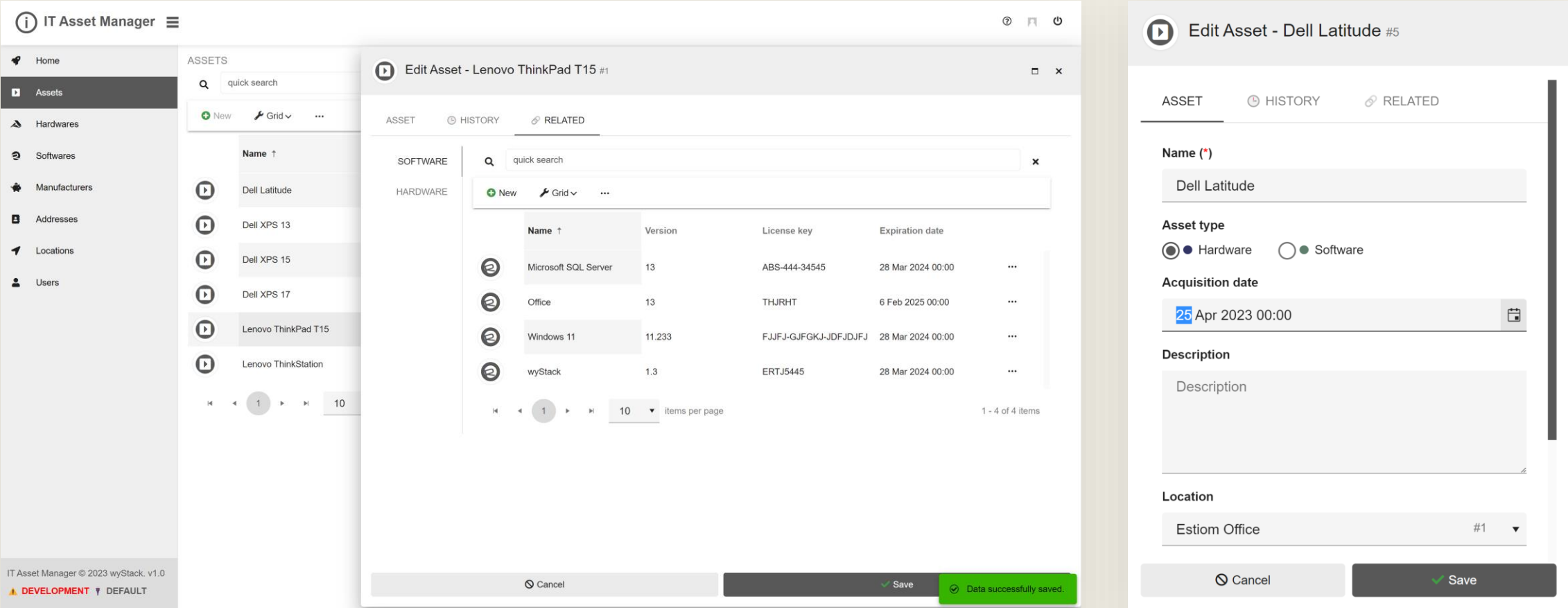
Name	Type	Comments	Created	Created by
Diner samen	Meeting	Restaurant de Zwarte Boshoeve	6 Apr 2023 11:59	test@wystack.com
Email conversatie over event in Amsterdam	Email	Event gaat door. Budget is duidelijk.	6 Apr 2023 11:59	test@wystack.com
Vandaag contact gehad	Phone call	Prettig gesprek. Wekelijks terugbellen.	6 Apr 2023 11:59	test@wystack.com

The screenshot shows the 'Edit Contact' form for 'Jan de Vries #1'. The form has tabs for 'CONTACT', 'HISTORY', and 'INTERACTIONS'. The 'CONTACT' tab is active, displaying contact details: Name (Jan de Vries), First name (Jan), Last name (de Vries), Phone (06 1234 5678), Address (Dorpstraat 34), and Party (CDA). The footer shows 'Political CRM © 2023 wyStack, v1.0' and 'DEVELOPMENT' status.

The screenshot shows the 'Create Issue' form. The form has tabs for 'ISSUE' and 'HISTORY'. The 'ISSUE' tab is active, displaying a form to create a new issue. The form has fields for Name, Description, and Type. The 'Type' dropdown is open, showing options: Environment, Economy, Education, Environment (selected), Healthcare, and National security. The footer shows 'Political CRM © 2023 wyStack, v1.0' and 'DEVELOPMENT' status.

# IT Asset Manager

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





AI-enabled  
Low-Code  
Platform for  
professional  
developers

[wystack.com](https://wystack.com)