

# Contact Manager

## Description

[spring boot 3.1.5](#)

Develop an API Service in c# dotnet 6 which manages contacts.

The Service should provide a Rest API.

This API should have following Methods:

- Creating a Contact
- Updating an existing Contact
- Deleting an existing Contact
- Reading one Contact by a given id
- Reading all Contacts.

To store the Contacts the Service should use a Postgresql Database.

[mysql](#)

## Requirements

The Project should run.

It should provide a Swagger endpoint

It should use a postgresql database

## Entity/ Business Object

A Contact has the following properties with given requirement:

Name	Description	requirement
Salutation	the Salutation of the Contact	must not be empty must be longer than 2 characters can be changed
Firstname	the First name of the Contact	must not be empty must be longer than 2 characters can be changed
Lastname	the Last name of the Contact	must not be empty must be longer than 2 characters

		can be changed
Displayname	the displayname of the contact	if empty its automatically filled with Salutation + FirstName + LastName can be changed
Birthdate	the birthdate of the contact	can be empty can be changed
CreationTimestamp	the Time when the Contact was created	can not be changed
LastChangeTimestamp	the Time when the Contact was last changed	can not be set
NotifyHasBirthdaySoon	describes if the Contacts birthday is in the next 14 days	can not be set
Email	the email address of the contact	must not be empty can be changed is unique
Phonenumber	the phonenumber of the contact	can be empty can be changed

Good luck and have fun