

# Web-API Developer Challenge

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Create the „**Contacts API**“. It's a simple API, where a user can get a quick overview over all contacts resources like person, skills...

The following use cases should be implemented:

### UC1

Create an CRUD endpoint for managing contacts. A contact should have at least the following attributes and appropriate validation:

- Firstname
- Lastname
- Fullname
- Address
- Email
- Mobile phone number

### UC2

Create a CRUD endpoint for skills. A contact can have multiple skills and a skill can belong to multiple contacts. A skill should have the following attributes and appropriate validation:

- Name
- Level (expertise)

### UC3

Document your API with Swagger.

### UC4 (optional)

Implement the following security aspects. All bullet points are optional and can be implemented partially.

- Authentication
- Authorization
  - Users can only change their contact
  - Have checks for skills changes (e.g. the current user can't change skills for other users)

## Notes

- Use Git and make your code available via GitHub or Bitbucket.
- Use one of the technological stack below.
- Use appropriate tools, libraries and frameworks to make your life easy.

CLI / Boilerplate	URL
Java / Spring Boot	<a href="https://spring.io/projects/spring-boot">https://spring.io/projects/spring-boot</a>
.NET Core Web API	<a href="https://github.com/dotnet/core">https://github.com/dotnet/core</a>
Go	<a href="https://go.dev">https://go.dev</a>
Python / Django	<a href="https://www.djangoproject.com">https://www.djangoproject.com</a>
Python / Flask	<a href="https://flask.palletsprojects.com">https://flask.palletsprojects.com</a>