

## STACKIT Coding-Challenge

The aim of this exercise is to demonstrate your problem-solving skills within a system with predefined constraints. The task at hand is not about completeness, but rather about a thoughtful approach.

### RESTful web service

Implement a RESTful web service that receives notifications via a POST interface and forwards them to a [a messenger of your choice] channel based on their type. (If you don't have access to [a messenger of your choice], feel free to use a comparable messenger) Notifications of type "Warning" should be forwarded, while notifications of type "Info" should not. There are no more detailed requirements, so feel free to use your creativity. If you have any questions while working on the task, please feel free to contact us.

### Requirements

- We recommend using a web framework that you are familiar with (excluding Spring / Spring Boot).
- Keep your solution as simple as possible (for example, authentication is not necessary).
- Assume that your API will be used by multiple services.
- Store any data in-memory, an external database is not necessary.
- Demonstrate through tests that your API works.

### Example

Notifications that are forwarded to the channel:

```
{  
  "Type": "Warning",  
  "Name": "Backup Failure",  
  "Description": "The backup failed due to a database problem"  
  ...  
}
```

Notifications that are not forwarded to the channel:

```
{  
  "Type": "Info",  
  "Name": "Quota Exceeded",  
  "Description": "Compute Quota exceeded",  
  ...  
}
```

### Relevant are:

- API design: How do consumers interact with your service?
- Code structure: Is the code easy to understand? Can additional requirements be easily implemented?
- Code quality



Please do not spend more than 3 hours working on the task. If you have not finished after exceeding the 3-hour mark, please send us your status by then.