

Bringoz - Java Developer Test Assignment

The goal of this project is to assess development skills suitable for a backend developer position. It tests knowledge and proficiency with software design, unit testing and web technologies like HTTP and REST.

- **Project Goal:** Create a microservice for drivers management.
- **Technology:** You can implement this test assignment in Java or Kotlin using Spring or Jersey frameworks, pick any database and testing framework you like.
- **Deliverables:** The code should be committed to a git repository (GitHub, BitBucket).

Description:

Drivers microservice service responsibility is to store, maintain and query driver's data.

Driver domain:

A driver model should store the following data: personal information (such as name, age, address), driver status, working hours and current location.

Basic Endpoints:

The microservice should expose CRUD endpoints in a RESTful way and respond with JSON format.

Query Endpoints:

The microservice should expose a query endpoints with the ability to query all active drivers, drivers that currently located in map bounds and drivers that working in a specific time window.

Requirements:

- Write the code and design your system to be as realistic and production-ready as possible.
- Follow best-practices and focus on quality.
- Make sure your code has tested.
- Describe your solution in a README and how to run it.

Bonus part:

If you have completed the whole test assignment, polished it and consider it ideal and want more challenge to show your skills you can do a bonus part.

You can choose a bonus task from the following list:

- Create a front end app that interacts with your service.
- Design your code with “Clean Architecture” principles.
- Add a security layer to your service.
- Run your service on Kubernetes.
- Deploy your service to the cloud (Azure, GCP, AWS).
- Create a CI/CD pipeline.