CYDEO

JAVAFAKER



Agenda

- Understand what JavaFaker is.
- Understand why/when do we need it.
- Understand how to implement it.



What is JavaFaker?

- JavaFaker is an external dependency with a set of classes and methods
- JavaFaker library helps us automate generating random data.
- We will use the data as?
- Test Data.



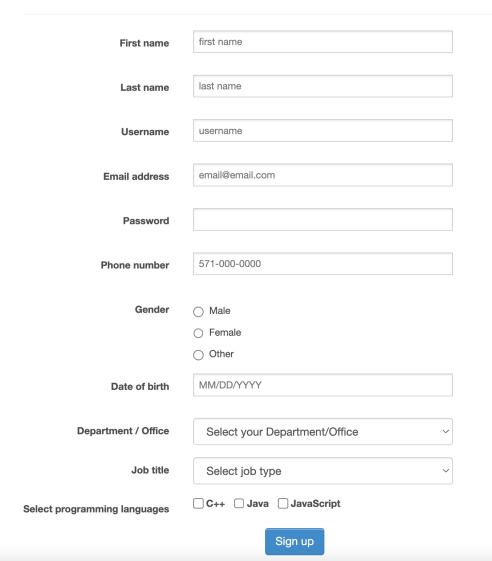
Why do we need JavaFaker?

- Let's understand the challenge:
- If you are working on an application where you must enter lots of test data, it might just extra work to generate all that data.
- There is a library that helps with this situation.



Why do we need JavaFaker?

Registration form



 JavaFaker helps us in this type of situations.



How do we implement JavaFaker dependency?

- Same as how we implement any other dependency in a Maven project.
- 1. Find the dependency.
- 2. Copy it.
- 3. Paste it into our pom.xml file.
- 4. Refresh our Maven project to have it installed.

Let's observe what options we have in GitHub repository. https://github.com/DiUS/java-faker



How do we generate test data using JavaFaker?

1. Create JavaFaker object

```
Faker faker = new Faker();
```

2. Start using the object to reach ready methods

```
String name = faker.name().fullName(); // Miss Jane Watson
```

```
String firstName = faker.name().firstName(); // Carol
String lastName = faker.name().lastName(); // Denver
```



Let's implement!

- Go to google
- Search for: javafaker github
- Copy the dependency
- Paste it into pom.xml
- Refresh project.



```
String streetAddress = faker.address().streetAddress();
// 70048 Dee Road Suite 415
```

```
String cityName = faker.address().cityName();
//Stephanberg
```

```
String zipCode = faker.address().zipCode();
//45535
```



Random numbers generating with specific formatting

```
String randomNumber = faker.numerify(numberString: "###-###-###");
//833-105-6807
```

```
String randomNumber2 = faker.numerify(numberString: "833)###-####");
//833-223-4123
```

Generates random number with the format we determine.



Other options

- Letherify faker.letterify(letterString: "?????")
- Bothify faker.bothify(string: "###-??#?###?")
- Finance: credit card number etc.
- There are dozens more, you just need to dig to find what you need.

