



# Java Spring Boot

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## Setup

- [start.initializr.io](https://start.initializr.io) to start a project
- java 22, maven, add dependencies like:  
lombok, spring web, spring data mongodb, spring boot devtools
- run it in IntelliJIDE

## Configure database

### Connect to mongodb

- create a mongodb database(cluster) and add a db, use mongodb compass for connection
  - keep your user, password and connection string somewhere safe and add them as environment variables
- go to src→main→resources→application.properties AND add a .env file(preffered)
  - `spring.data.mongodb.database = databaseName`(use databasename from .env)
  - `spring.data.mongodb.uri = yourURI`(use the user,password and cluster from .env)

- in .env:  
MONGO\_DATABASE = databaseName  
MONGO\_USER = username  
MONGO\_PASSWORD = password  
MONGO\_CLUSTER = clusterFromURI
- make sure to add .env to .gitignore
- for .env to work, add this to pom.xml dependencies

```
<dependency>  
  <groupId>me.paulschwarz</groupId>  
  <artifactId>spring-dotenv</artifactId>  
  <version>4.0.0</version>  
</dependency>
```

- access it with `${env.MONGO_DATABASE}` and so on
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