JUnit
In 5 Steps

Introduction to Unit Testing with JUnit

- Large applications can have **1000s of code files** and **millions of lines of code**

- **Testing**: Check app behavior against expected behavior
  - **Option 1**: Deploy the complete application and test
    - This is called **System Testing** or **Integration Testing**
  - **Option 2**: Test specific units of application code independently
    - Examples: A specific method or group of methods
    - This is called **Unit Testing**
    - **Advantages of Unit Testing**
      - Finds bug early (run under CI)
      - Easy to fix bugs
      - Reduces costs in the long run
    - **Most Popular Java Frameworks**: JUnit and Mockito
  - **Recommended**: Option 1 + Option 2

Web

Business

Data

Database