

# Creating Tests

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## Understanding When to Create Tests



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```
public RxValidation validate(Prescription rx) {
    RxValidation validation = new RxValidation(rx);
    checkRequiredFields(rx);
    insureDurationParseable(rx.getDuration());
    insureDrugValid(rx.getDrug());
    return validation;
}

public void String getDuration() {
    return this.getDuration();
}

public static void initDrugEndpoint() {
    get("/drugs", (request, response) ->
        DrugDatabase.getDrugsAvailableForPrescribing(),
        gson::toJson);
}
```

## What kind of code needs tests?

### ◀ Code with important, non trivial logic

### ◀ Less important to unit test very trivial code, completely pass-through code, thin technology layers

- There are other types of tests you can rely on besides unit tests to cover
- 100% unit test coverage is often not a useful goal

# When to Test

## Soon!

- Old code not written without tests originally can be hard to test

## So soon, maybe even before the production code is written!

- Test-first and test-driven development (TDD) covered later in this path



# Creating Test Classes

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# Creating Test Methods

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Up Next:

Writing Test Methods and Using Assertions

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