

JUnit Testing

AccidentValidatorTest

```
import static org.junit.jupiter.api.Assertions.*;
import org.junit.jupiter.api.Test;

public class AccidentValidatorTest {

    @Test
    void testAllFieldsRequired() {
        String result = AccidentValidator.validate("", "1234", "Details");
        assertEquals("All fields are required", result);

        result = AccidentValidator.validate("5678", "", "Details");
        assertEquals("All fields are required", result);

        result = AccidentValidator.validate("5678", "1234", "");
        assertEquals("All fields are required", result);
    }

    @Test
    void testOffendingAndVictimVINsSame() {
        String result = AccidentValidator.validate("1234", "1234",
            "Details");
        assertEquals("Offending and victim vehicle VINs cannot be the same",
            result);
    }

    @Test
    void testValidInput() {
        String result = AccidentValidator.validate("1234", "5678",
            "Details");
        assertEquals("Valid", result);
    }
}
```

TransferValidatorTest

```
import static org.junit.jupiter.api.Assertions.*;
import org.junit.jupiter.api.Test;

public class TransferValidatorTest {

    @Test
    void testValidateCurrentOwner_AllFieldsRequired() {
        String result = TransferValidator.validateCurrentOwner("", "",
            "", "Maryam", "000000000", "353829", false);
        assertEquals("All fields are required", result);
    }
}
```

```

@Test
void testValidateCurrentOwner_IncorrectInformation() {
String result = TransferValidator.validateCurrentOwner("Ahmed",
"111111111", "000000", "Maryam", "0000000000", "353829", false);
assertEquals("Incorrect Information", result);
}

@Test
void testValidateCurrentOwner_PayBills() {
String result = TransferValidator.validateCurrentOwner("Maryam",
"0000000000", "353829", "Maryam", "0000000000", "353829", true);
assertEquals("Pay Bills", result);
}

@Test
void testValidateCurrentOwner_Valid() {
String result = TransferValidator.validateCurrentOwner("Maryam",
"0000000000", "353829", "Maryam", "0000000000", "353829", false);
assertEquals("Valid", result);
}

@Test
void testValidateNewOwner_AllFieldsRequired() {
String result = TransferValidator.validateNewOwner("", "", "");
assertEquals("Please fill out all details.", result);
}

@Test
void testValidateNewOwner_Valid() {
String result = TransferValidator.validateNewOwner("Ali",
"123456789", "987654321");
assertEquals("Ownership Transferred Successfully", result);
}
}

```