Test case Development

1. Test case definition
2. Why do we need test case?
3. Test case from start point. Test case format
4. Best practice
5. Testing technique with test case design: BVA, EP
6. Practice
7. Review day 1
8. Project tasks and Interview questions

Review day 1

1. Test case definition

- A testcase is a **set** of actions
- We execute to verify feature to determine the function correctly

2. Why do we need test cases?

- Which functions have been tested?
- How many test cases have been executed?
- How many functions or features are stable?
- Which functions need more work according to number of defects found in functions?
- How to hand over to new members?

3. Test case from start point

- Put yourself in the end user view then define test cases. Example
- What are your expectations with the app? Then define test cases. Example
- Base on requirement to define test cases. Example

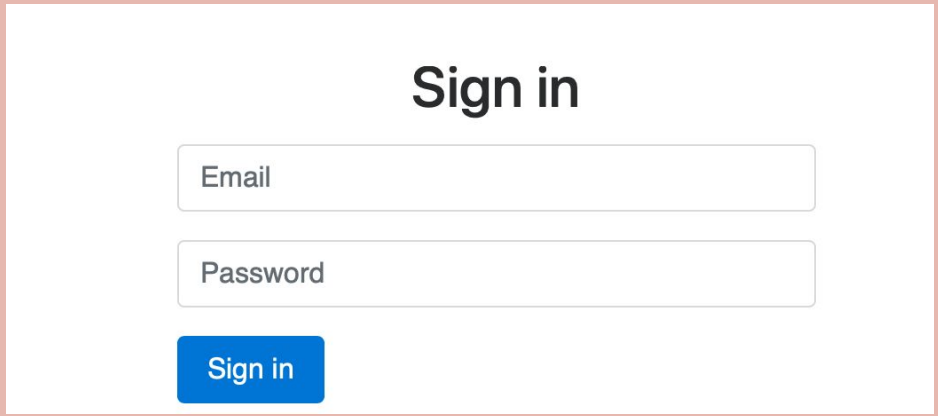
Test case format

- It depend on your organization
- Normally i has some fields as below exercise

4. Practice (trainer + members)

Write test case for Sign In screen.

It should show meaningful message if enter incorrect email or password

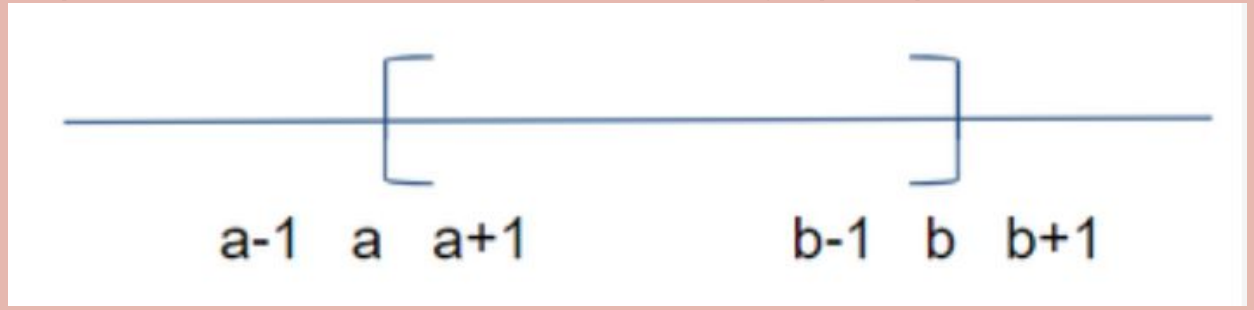


5. Best practice

- Test cases are simple as possible => It is clear and less time to read
- It tells the purpose of the test case
- Test cases are created with end user in mind, more than development view
- Do not repeat test cases
- Do not assume
- Set priority
- Peer review
- Categorize/group set of test cases
- Implement testing techniques

6. Testing technique with test case design: boundary value analysis (BVA), equivalence partitioning (EP)

Boundary



Equivalence

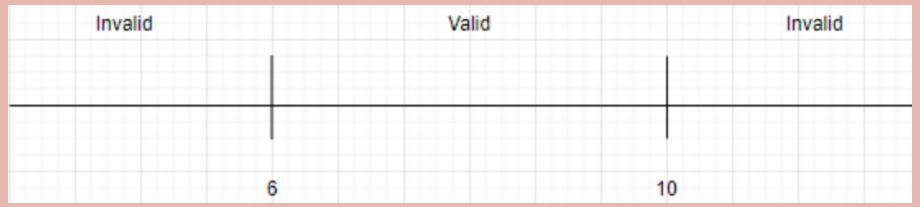
AGE Enter Age *Accepts value 18 to 56

EQUIVALENCE PARTITIONING		
Invalid	Valid	Invalid
<=17	18-56	>=57

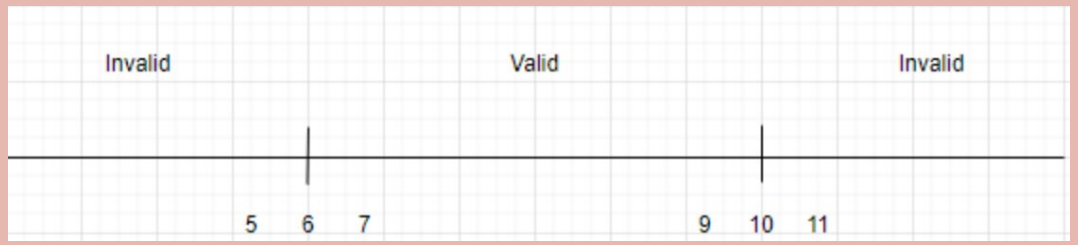
Example: Sign up screen, password accept 6 - 10 characters

Boundary

Equivalence



Combine 2 techniques

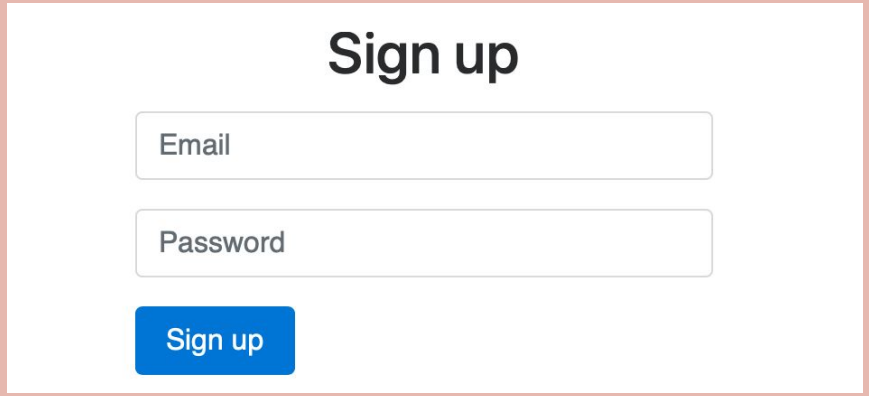


=> How many testcase do we have?

7 . Practice

Email: correct email format is acceptable

Password: 6-10 characters are acceptable



9. Interview question & Project tasks

1. Why do you need test case?
2. Test case format?
3. What is test case priority? Why do you need this field?
4. What are best practices for writing test cases?
5. How many test cases can you execute/write in a day?
6. What is test data?
7. How many test design technique do you know? Short describe and example?
8. **Jira:**
   - **Create email for each team**
   - **All Team members login jira before next lesson**

Project tasks

Create Test case:

1. https://www.demoblaze.com/

- Sign In
- Sign up:
  Create email for team to write TCs for sign up and using on Day3_LogBug

+ Email: Not registered before, valid format is acceptable
+ Password: 6-10 characters, It has number, uppercase, lowercase, special character

2. https://computer-database.gatling.io/computers/new

- Create new computer
  (computer name: required, max 50 chars)