**Level 1:**

**1. Create a high-level test case to test the functionality of the mobile application of choice.**

**Test Case 1:**

* **Steps:**

1. Open the mobile application and insert valid credentials

* **Expected Results:**

1. Successfully login into the application

**2. Create 3 low-level test cases based on the high-level one.**

These are the three low level test cases based on the high-level test case created:

**Test Case 1:**

**Steps:**

1. Open the mobile application in mobile device

2. Enter the valid email “catsharingtest@gmail.com” in the top field named “Email”

3. Enter the valid password “testphase1#” in the below field named “Password”

4. Press the green button that display “Sign-in”

**Expected Results:**

1. App screen for login appears

2. Email field is entered

3. Password field is entered

4. User photo feed is displayed on the screen

**Test Case 2:**

**Steps:**

1. Open the mobile application in mobile device

2. Enter the email “catsharingtest@gmail.com” with a # before at sign in the top field named “Email”

3. Enter the valid password “testphase1#” in the field below named “Password”

4. Press the green button that display “Sign-in”

**Expected Results:**

1. App screen for login appears

2. Email field is entered

3. Password field is entered

4. A red pop-up with the message “Email not found. Please check the email address and try again or register a new account.” appears

* **Test Case 3:**

**Steps:**

1. Open the mobile application in mobile device

2. Enter the valid email “catsharingtest@gmail.com”” in the top field named “Email”

3. Enter the invalid password “testphase2#” in the field below named “Password”

4. Press the green button that display “Sign-in”

**Expected Results:**

1. App screen for login appears

2. Email field is entered

3. Password field is entered

4. A red pop-up with the message “The password you entered is incorrect. Please double-check your password and try again.” appears

**Level 2:**

**3. Estimate how long it will take to complete the test cases from the previous task. Use at least 2 techniques for evaluation (e.g. WBC and three-point estimate).**

Using three techniques this the estimation to complete the three test cases from the previous task:

**Work Breakdown Structure (WBS):**

* Turn the mobile phone: ~2 minutes
* Open the App: ~1 minute
* Insert the email: ~3 minutes
* Insert the password: ~3 minutes
* Click on the button: ~1 minutes

Each test case will take 10 minutes to test. Since we have to do three tests, it would take us 30 minutes to test (10x3).

**Three-Point Estimation:**

Optimistic Value - a: 20 minutes

Most likely value - m: 35 minutes

Pessimist Value - b: 60 minutes

* E= (a+m+b)/3
* E=(20+30+60)/3
* E=~37 minutes

**Level 3:**

**4. We keep on working on a startup for a cat photo sharing app. The testing team is growing along with the product. You are thinking about creating a test strategy. Try to create a document that would meet the needs of your team (template attached).**

Test Strategy created is in this document:

<https://docs.google.com/document/d/1dzul3WRhsadaz1XkENqMJfmNNSRQyXEg0Tdx8iWwWsI/edit>