

# Writing the UAT Test Scripts

SE 323 Software Construction Testing and Maintenance

From Use Case Description

Use Case Identification and History			
<b>Use Case ID:</b>	UC-07		
<b>Use Case Name:</b>	Company staff can create new profile account of truck's driver	<b>Version No:</b>	0.1.0
<b>End Objective:</b>	The account information that the user had been created should be stored in data storage into the system. After, the user selects "Create" button.		
<b>Created by:</b>	Rawisara L. and Thanapon C.	<b>On (date):</b>	29/6/2017
<b>Last Update by:</b>	Rawisara L. and Thanapon C.	<b>On (date):</b>	6/07/2017
<b>Approved by:</b>	Mr. Jayakrit Hirisajja	<b>On (date):</b>	
<b>User/Actor:</b>	The company staff		
<b>Business Owner Name:</b>	Sor Rungtiwa logistic company	<b>Contact Details:</b>	Chingrai
<b>Trigger:</b>	The company staff can select "Add truck's driver" on the user account management function page.		

Preconditions
User which is the company staff should had been done the login function from authentication system. And chooses "Management" button on the index page of web application.

Basic Flow		
Step	User Actions	System Actions
1		[1.1] The system shall provide main interface of the web application consists of menu bar; Management and Tracking.
2	[2.1] User should choose "Truck's driver" in the dropdown list that provide in "Management" button.	[2.2] The system shall provide new window that there are "Add truck's driver" button and have all the list of truck's driver account below in column of TruckId, Full name and telephone number on the web application with the option of detail, edit and delete on each list of company staff account.
3	[3.1] User should choose "Add Truck's driver" button that provide on the interface	[3.2] The system shall provide a new window to create an account of truck's driver with the form to create an account information. It includes with information of account and profile information that company staff should enter. Account information consist of Username, Password and confirm password. And profile information consists of Full name, CitizenID, DriverLicenseID, TruckId, Gender, Address, Date of birth, Telephone number and Email.

4	<p>[4.1] User should input all information fields that the system required.</p> <p>Example, Information of account</p> <p><b>Username: Thanapon</b></p> <p>For the input of Username, it should be the company staff name. User can input character of A-Z or a-z.</p> <p><b>Password: D1na.123</b></p> <p>For input of Password, it can be character of A-Z, a-z, symbol and number.</p> <p><b>Confirm password: D1na.123</b></p> <p>For input of confirm password, should be the same as password.</p> <p>Profile information.</p> <p><b>Full name: Thanapon Chapchainai</b></p> <p>For the input of Full name, it should be full name of company staff. User can input character of A-Z or a-z.</p> <p><b>CitizenID: 1188800494489</b></p> <p>For the input of CitizenID, it should be number of 0-9 in 13 digits.</p> <p><b>DriverLicenseID of truck: 58001687</b></p> <p>For the input of DriverLicenseID of truck. It should be number of 0-9 in 8 digits.</p> <p><b>TruckId: CR-1223</b></p> <p><b>Gender: Male</b></p> <p>For the input of Gender, it should be male or female.</p> <p><b>Address: 405/79 Chiangmai-DoiSaket road Sansai Chiangmai 50210</b></p> <p>For the input of Address, it can enter number 0-9 and character A-Z or a-z and symbol.</p> <p><b>Date of birth: 07/08/1995</b></p> <p>For input of Date of birth should be MM/DD/YY form.</p> <p><b>Telephone number: 0869224231</b></p>	<p>[4.2] The system shall automatic validate all the information fields. There are Username, Password, confirm password, Full name, CitizenID, DriverLicenseId, TruckId, Gender, Address, Date of birth, Telephone number and Email.</p>
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	<p>For input of Telephone number. it should be number of 0-9 in 10 digits.</p> <p><b>Email: Sundayboat12@gmail.com</b></p> <p>For input of Email, it can have character A-Z or a-z or symbol. [A1]</p>	
5	[5.1] User should select “Create” button or enter from the keyboard for save the information into the data storage. [A2]	[5.2] The system should be store the information into data storage. And back to the main page of user account management function.

Alternate Flow		
Step	User Actions	System Actions
1	[4.3] User input some information field or the information is invalid form. [A1]	[4.4] The system shall show the message alert under the field which is “The information is not required!”
2	5.3] User able to select “Cancel” button. [A2]	[5.4] The system should back to the index page of user account management function.

Post conditions
The system shall store account information of truck’s driver into data storage. After, user select “Create” button or “Enter” from keyboard with complete information. And the system shall back to the index page of user account management function.

Other Notes (Assumptions, Issues,)
<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>• This function shall provide English language. And user should know English language on the application.</li> <li>• The truck ID should be repeated. It can be one id with one truck’s driver.</li> <li>• The application should connect with internet accessing.</li> </ul>

# Topic to Consider

- What is the objective of the test
- What do we need to prepare
- What are the test script
- What are the test cases

# What are the objective of the test?

- Define the objective of the test
  - Normally the functional testing is test for the correctness of the functions
  - Complied to the workflow
  - The normal flow is applied
    - The alternative flow is also applied
    - With different scripts

# Define the objective

- Descriptive information



# What do we need to prepare

- The pre-test steps
  - The precondition
  - How would we provide the pre-condition
  - E.g. the user must log in as Admin
    - The script provided is required
    - The tester does not know the username/password

# What do we need to prepare

- The provided data
  - Data in the application which we needed
  - For example
    - The use case of buying the products
    - There should be
      - The product information including prices
      - The tax (if applicable)
      - The customer details

What do we need

# Test Script

- How we run the test
  - Match with the flow
  - The flow may be adapted
    - Depending on the UI design
  - Design which step will put which data
  - Define when to see the actual result
- Different flow contains the different steps

Create your UI, and define the test scripts

# Test cases

- Test case consists of
  - Test data
    - Each input data
  - Expected behaviours
    - The expected result
      - Value
        - The screen shows xxx
      - Behaviour
        - The application go to the cart screen and show the username in the middle of the screen
        - The location of each component may be the expected behavior
- Each test case for each script

## In Each Test Script

- The test script contains more than 1 test cases
- Regarding to the Equivalence class analysis and the boundary value analysis

# Assignment 3points/100 Final score.

- 2 works
- Submit 4 Jan2021 in the class and outside the class
- I will give you two requirements specification, and two design document specification
- For UAT test script, select two use cases and create the UAT test
  - The login is not accepted
- For unit test (discuss next class), select two methods to create the Unit test
- Printed and submit with your student name, and ID
- Individual work



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