SMART PRESCRIPTION APPLICATION

Test Record

By

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Document History

Document Name	Version	Status	Date	Viewable	Editable	Responsible
Documents						
Smart Prescription Application _Test Plan	Software Test Record_V1.0	Reviewed	June 10th 2016	NAT,PHI, PROM	NAT,PHI	NAT,PHI
Smart Prescription Application _Test Plan	Software Test Record_V1.1	Reviewed	July 25th 2016	NAT,PHI, PROM	NAT,PHI	NAT,PHI
Smart Prescription Application _Test Plan	Software Test Record_V3.0	Released	July 30th 2016	NAT,PHI, PROM	NAT,PHI	NAT,PHI
Smart Prescription Application _Test Plan	Software Test Record_V3.0	Released	August 26th 2016	NAT,PHI, PROM	NAT,PHI	NAT,PHI

Acronym
NAT = Natthakan Kaeokanpai
PHI = Phithiwat Sitthitun
PROM = Prompong Sugunnasil

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Chapter One | Introduction

1.1 Purpose

The purpose of Test Record is for recording the actual result of each test case that has been designed in Test Plan. The test cases documented in Test Plan are performed to compare the actual results and the expected results and the test results (Pass or Fail) are documented here. This Test Record provides the result on our whole project.

1.2 Responsibility

Item	Responsibility
Record unit test of "Smart Prescription Application" web application	Natthakan Kaeokanpai, Phithiwat Sitthitun
Record system test of "Smart Prescription Application" web application	Natthakan Kaeokanpai, Phithiwat Sitthitun
Record unit test of "Smart Prescription Application" mobile application	Natthakan Kaeokanpai, Phithiwat Sitthitun
Record system test of "Smart Prescription Application" mobile application	Natthakan Kaeokanpai, Phithiwat Sitthitun

Chapter Two | Unit Testing Record

2. Testes Smart Prescription Application

2.1 Class SiteController

2.1.1 Unit Test Case (UTC-01): login(String username, String password) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass

2.1.2 Unit Test Case (UTC-02): logout() : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass

2.2 Class UserController

2.2.1 Unit Test Case (UTC-03): getUserList() : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	ArrayList<User>{
	User{
	id = 15
	name = "Phithiwat",
	surname = "Sitthitun",
	username = "phithi",
	password = "1234",
	pssword2 = "1234",
	roleId = 1
	}
	User{
	id = 2
	name = "Natthakan",
	surname = "Kaeokanpai",
	username = "natthakan",
	password = "man",
	password2 = "man",
	roleId = 2
	}
	User{
	id = 3
	name = "Tony",
	surname = "Stark",
	username = "tony",
	password = "tony",
	password2 = "tony",
	roleId = 3
	}
	}
		ArrayList<User>{
		User{
		id = 15
		name = "Phithiwat",
		surname = "Sitthitun",
		username = "phithi",
		password = "1234",
		pssword2 = "1234",
		roleId = 1
		}
		User{
		id = 2
		name = "Natthakan",
		surname = "Kaeokanpai",
		username = "natthakan",
		password = "man",
		password2 = "man",
		roleId = 2
		}
		User{
		id = 3
		name = "Tony",
		surname = "Stark",
		username = "tony",
		password = "tony",
		password2 = "tony",
		roleId = 3
		}
		}
			Pass

2.2.2 Unit Test Case (UTC-04): viewUser(Int userId) : Mixed

Test date: July, 25th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	User{
	id = 15
	name = "Phithiwat",
	surname = "Sitthitun",
	username = "phithi",
	password = "1234",
	pssword2 = "1234",
	roleId = 1
	}
		User{
		id = 15
		name = "Phithiwat",
		surname = "Sitthitun",
		username = "phithi",
		password = "1234",
		pssword2 = "1234",
		roleId = 1
		}
			Pass

2	False	False	Pass
3	False	False	Pass
4	False	False	Pass

2.2.3 Unit Test Case (UTC-05): createUser(User user) : Boolean

Test date: July, 25th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass
11	False	False	Pass
12	False	False	Pass

2.2.4 Unit Test Case (UTC-06): updateUser(User user) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass
11	False	False	Pass
12	False	False	Pass

3.2.5 Unit Test Case (UTC-07): deleteUser(Int userId) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass

3.2.6 Unit Test Case (UTC-08): searchUser(String users) : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	ArrayList<User>{
	User{
	id = 15
	name = "Phithiwat",
	surname = "Sitthitun",
	username = "phithi",
	password = "1234",
	pssword2 = "1234",
	roleId = 1
	}
	}
		ArrayList<User>{
		User{
		id = 15
		name = "Phithiwat",
		surname = "Sitthitun",
		username = "phithi",
		password = "1234",
		pssword2 = "1234",
		roleId = 1
		}
		}
			Pass

2	ArrayList<User>{
	User{
	id = 3
	name = "Tony",
	surname = "Stark",
		ArrayList<User>{
		User{
		id = 3
		name = "Tony",
		surname = "Stark",
			Pass

	username = "tony", password = "tony", password2 = "tony", roleId = 3 } }	username = "tony", password = "tony", password2 = "tony", roleId = 3 } }	
3	ArrayList<User>{ User{ id = 2 name = "Natthakan", surname = "Kaeokanpai", username = "natthakan", password = "man", password2 = "man", roleId = 2 } }	ArrayList<User>{ User{ id = 2 name = "Natthakan", surname = "Kaeokanpai", username = "natthakan", password = "man", password2 = "man", roleId = 2 } }	Pass
4	ArrayList<User>{ User{ id = 15, name = "Phithiwat", surname = "Sitthitun", username = "phithi", password = "1234", pssword2 = "1234", roleId = 1 } User{ id = 2, name = "Natthakan", surname = "Kaeokanpai", username = "natthakan", password = "man", password2 = "man", roleId = 2 } User{ id = 3, name = "Tony", surname = "Stark", username = "tony", password = "tony", password2 = "tony", roleId = 3 } }	ArrayList<User>{ User{ id = 15, name = "Phithiwat", surname = "Sitthitun", username = "phithi", password = "1234", pssword2 = "1234", roleId = 1 } User{ id = 2, name = "Natthakan", surname = "Kaeokanpai", username = "natthakan", password = "man", password2 = "man", roleId = 2 } User{ id = 3, name = "Tony", surname = "Stark", username = "tony", password = "tony", password2 = "tony", roleId = 3 } }	Pass
5	Null	Null	Pass

2.3 Class PatientController

2.3.1 Unit Test Case (UTC-09): getPatientList() : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	ArrayList<Patient>{
	Patient{
	personal_id = 1719900241047
	name = "Somkiat",
	surname = "Warahala",
	prescription = "Paracetamal 500ml.",
	create_by = 31
	username = "somkiat",
	password = "54139",
	create_at = 2016-07-31 18:36:28
	update_at = 2016-07-31 18:36:28
	}
	Patient{
	personal_id = 1769900241047
	name = "Dangdee",
	surname = "Rakna",
	prescription = "Vitamin C 90 ml",
	create_by = 32
	username = "dang",
	password = "67045",
	create_at = 2016-07-30 23:55:17
	update_at = 2016-07-30 23:59:23
	}
	Patient{
	personal_id = 1660100485726
	name = "Vikom",
	surname = "Chomjai",
	prescription = "Dextrometrophan",
	create_by = 32
	username = "vikom",
	password = "58706",
	create_at = 2016-08-01 03:39:11
	update_at = 2016-08-01 03:39:11
	}
	}
		ArrayList<Patient>{
		Patient{
		personal_id = 1719900241047
		name = "Somkiat",
		surname = "Warahala",
		prescription = "Paracetamal 500ml.",
		create_by = 31
		username = "somkiat",
		password = "54139",
		create_at = 2016-07-31 18:36:28
		update_at = 2016-07-31 18:36:28
		}
		Patient{
		personal_id = 1769900241047
		name = "Dangdee",
		surname = "Rakna",
		prescription = "Vitamin C 90 ml",
		create_by = 32
		username = "dang",
		password = "67045",
		create_at = 2016-07-30 23:55:17
		update_at = 2016-07-30 23:59:23
		}
		Patient{
		personal_id = 1660100485726
		name = "Vikom",
		surname = "Chomjai",
		prescription = "Dextrometrophan",
		create_by = 32
		username = "vikom",
		password = "58706",
		create_at = 2016-08-01 03:39:11
		update_at = 2016-08-01 03:39:11
		}
		}
			Pass

2.3.2 Unit Test Case (UTC-10): viewPatient(Int personal_id) : Mixed

Test date: July, 25th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	Patient{
	personal_id = 1719900241047
	name = "Somkiat",
	surname = "Warahala",
	prescription = "Paracetamal 500ml.",
	create_by = 31
	username = "somkiat",
	password = "54139",
	create_at = 2016-07-31 18:36:28
	update_at = 2016-07-31 18:36:28
	}
		Patient{
		personal_id = 1719900241047
		name = "Somkiat",
		surname = "Warahala",
		prescription = "Paracetamal 500ml.",
		create_by = 31
		username = "somkiat",
		password = "54139",
		create_at = 2016-07-31 18:36:28
		update_at = 2016-07-31 18:36:28
		}
			Pass

2	False	False	Pass
3	False	False	Pass
4	False	False	Pass

2.3.3 Unit Test Case (UTC-11): createPatient(Patient patient) : Boolean

Test date: July, 25th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass
11	False	False	Pass
12	False	False	Pass

2.3.4 Unit Test Case (UTC-12): updatePatient(Patient patient) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass
11	False	False	Pass
12	False	False	Pass

2.3.5 Unit Test Case (UTC-13): deletePatient(Int personal_id) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass

2.3.6 Unit Test Case (UTC-14): searchPatient(String patients) : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	ArrayList<Patient>{
	Patient{
	personal_id = 1660100485726
	name = "Vikom",
	surname = "Chomjai",
	prescription = "Dextrometrophan",
	create_by = 32
	username = "vikom",
	password = "58706",
	create_at = 2016-08-01 03:39:11
	update_at = 2016-08-01 03:39:11
	}
	}
		ArrayList<Patient>{
		Patient{
		personal_id = 1660100485726
		name = "Vikom",
		surname = "Chomjai",
		prescription = "Dextrometrophan",
		create_by = 32
		username = "vikom",
		password = "58706",
		create_at = 2016-08-01 03:39:11
		update_at = 2016-08-01 03:39:11
		}
		}
			Pass

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2	ArrayList<Patient>{ Patient{ personal_id = 1719900241047 name = "Somkiat", surname = "Warahala", prescription = "Paracetamal 500ml.", create_by = 31 username = "somkiat", password = "54139", create_at = 2016-07-31 18:36:28 update_at = 2016-07-31 18:36:28 } }	ArrayList<Patient>{ Patient{ personal_id = 1719900241047 name = "Somkiat", surname = "Warahala", prescription = "Paracetamal 500ml.", create_by = 31 username = "somkiat", password = "54139", create_at = 2016-07-31 18:36:28 update_at = 2016-07-31 18:36:28 } }	Pass
3	ArrayList<Patient>{ Patient{ personal_id = 1769900241047 name = "Dangdee", surname = "Rakna", prescription = "Vitamin C 90 ml", create_by = 32 username = "dang", password = "67045", create_at = 2016-07-30 23:55:17 update_at = 2016-07-30 23:59:23 } }	ArrayList<Patient>{ Patient{ personal_id = 1769900241047 name = "Dangdee", surname = "Rakna", prescription = "Vitamin C 90 ml", create_by = 32 username = "dang", password = "67045", create_at = 2016-07-30 23:55:17 update_at = 2016-07-30 23:59:23 } }	Pass
4	ArrayList<Patient>{ Patient{ personal_id = 1719900241047 name = "Somkiat", surname = "Warahala", prescription = "Paracetamal 500ml.", create_by = 31 username = "somkiat", password = "54139", create_at = 2016-07-31 18:36:28 update_at = 2016-07-31 18:36:28 } Patient{ personal_id = 1769900241047 name = "Dangdee", surname = "Rakna", prescription = "Vitamin C 90 ml", create_by = 32 username = "dang", password = "67045", create_at = 2016-07-30 23:55:17	ArrayList<Patient>{ Patient{ personal_id = 1719900241047 name = "Somkiat", surname = "Warahala", prescription = "Paracetamal 500ml.", create_by = 31 username = "somkiat", password = "54139", create_at = 2016-07-31 18:36:28 update_at = 2016-07-31 18:36:28 } Patient{ personal_id = 1769900241047 name = "Dangdee", surname = "Rakna", prescription = "Vitamin C 90 ml", create_by = 32 username = "dang", password = "67045", create_at = 2016-07-30 23:55:17	Pass

	update_at = 2016-07-30 23:59:23
	}
	Patient{
	personal_id = 1660100485726
	name = "Vikom",
	surname = "Chomjai",
	prescription = "Dextrometrophan",
	create_by = 32
	username = "vikom",
	password = "58706",
	create_at = 2016-08-01 03:39:11
	update_at = 2016-08-01 03:39:11
	}
	}
		update_at = 2016-07-30 23:59:23
		}
		Patient{
		personal_id = 1660100485726
		name = "Vikom",
		surname = "Chomjai",
		prescription = "Dextrometrophan",
		create_by = 32
		username = "vikom",
		password = "58706",
		create_at = 2016-08-01 03:39:11
		update_at = 2016-08-01 03:39:11
		}
		}	

5	Null	Null	Pass

2.4 Class AllergyController

2.4.1 Unit Test Case (UTC-15): getAllergyList() : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	ArrayList<Allergy>{
	Allergy{
	allergy_id = 8
	personal_id = 1759900241047
	name = "Phithiwat",
	surname = "Sitthitun",
	allergy_drug = "Pyramidone, co-trimoxazole, aspirin",
	reporter = 32
	create_at = 2016-07-30 04:15:11
	update_at = 2016-07-31 04:42:21
	}
	Allergy{
	allergy_id = 10
	personal_id = 1600100485726
	name = "Natthakan",
	surname = "Kaeokanpai",
	allergy_drug = "Vitamin C",
	reporter = 32
	create_at = 2016-07-31 04:20:43
	update_at = 2016-07-31 04:20:43
	}
	Allergy{
	allergy_id = 11
	personal_id = 1779900241047
	name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31
	create_at = 2016-07-31 18:47:11
	update_at = 2016-07-31 18:47:11
	}
	}
		ArrayList<Allergy>{
		Allergy{
		allergy_id = 8
		personal_id = 1759900241047
		name = "Phithiwat",
		surname = "Sitthitun",
		allergy_drug = "Pyramidone, co-trimoxazole, aspirin",
		reporter = 32
		create_at = 2016-07-30 04:15:11
		update_at = 2016-07-31 04:42:21
		}
		Allergy{
		allergy_id = 10
		personal_id = 1600100485726
		name = "Natthakan",
		surname = "Kaeokanpai",
		allergy_drug = "Vitamin C",
		reporter = 32
		create_at = 2016-07-31 04:20:43
		update_at = 2016-07-31 04:20:43
		}
		Allergy{
		allergy_id = 11
		personal_id = 1779900241047
		name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31
		create_at = 2016-07-31 18:47:11
		update_at = 2016-07-31 18:47:11
		}
		}
			Pass

2.4.2 Unit Test Case (UTC-16): viewAllergy(Int allergy_id) : Mixed

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail

1	Allergy{
	allergy_id = 11
	personal_id = 1779900241047
	name = "Somjai",
	surname = "Ngaila",
	allergy_drug = "Multivitamins",
	reporter = 31
	create_at = 2016-07-31 18:47:11
	update_at = 2016-07-31 18:47:11
	}
		Allergy{
		allergy_id = 11
		personal_id = 1779900241047
		name = "Somjai",
		surname = "Ngaila",
		allergy_drug = "Multivitamins",
		reporter = 31
		create_at = 2016-07-31 18:47:11
		update_at = 2016-07-31 18:47:11
		}
			Pass

2	False	False	Pass
3	False	False	Pass
4	False	False	Pass

2.4.3 Unit Test Case (UTC-17): getAllergyList2() : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Expected Result	Pass/Fail

1	ArrayList<Allergy>{
	Allergy{
	allergy_id = 8
	personal_id = 1759900241047
	name = "Phithiwat",
	surname = "Sitthitun",
	allergy_drug = "Pyramidone, co-trimoxazole, aspirin",
	reporter = 32
	create_at = 2016-07-30 04:15:11
	update_at = 2016-07-31 04:42:21
	}
	Allergy{
	allergy_id = 10
	personal_id = 1600100485726
	name = "Natthakan",
	surname = "Kaeokanpai",
	allergy_drug = "Vitamin C",
	reporter = 32
	create_at = 2016-07-31 04:20:43
	update_at = 2016-07-31 04:20:43
	}
	Allergy{
	allergy_id = 11
	personal_id = 1779900241047
		ArrayList<Allergy>{
		Allergy{
		allergy_id = 8
		personal_id = 1759900241047
		name = "Phithiwat",
		surname = "Sitthitun",
		allergy_drug = "Pyramidone, co-trimoxazole, aspirin",
		reporter = 32
		create_at = 2016-07-30 04:15:11
		update_at = 2016-07-31 04:42:21
		}
		Allergy{
		allergy_id = 10
		personal_id = 1600100485726
		name = "Natthakan",
		surname = "Kaeokanpai",
		allergy_drug = "Vitamin C",
		reporter = 32
		create_at = 2016-07-31 04:20:43
		update_at = 2016-07-31 04:20:43
		}
		Allergy{
		allergy_id = 11
		personal_id = 1779900241047
			Pass

	name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31 create_at = 2016-07-31 18:47:11 update_at = 2016-07-31 18:47:11 } }	name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31 create_at = 2016-07-31 18:47:11 update_at = 2016-07-31 18:47:11 } }	

2.4.4 Unit Test Case (UTC-18): viewAllergy2(Int allergy_id) : Mixed

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Expected Result	Pass/Fail

1	Allergy{
	allergy_id = 8
	personal_id = 1759900241047
	name = "Phithiwat",
	surname = "Sitthitun",
	allergy_drug = "Pyramidone,
	co-trimoxazole, aspirin",
	reporter = 32
	create_at = 2016-07-30 04:15:11
	update_at = 2016-07-31 04:42:21
	}
		Allergy{
		allergy_id = 8
		personal_id = 1759900241047
		name = "Phithiwat",
		surname = "Sitthitun",
		allergy_drug = "Pyramidone,
		co-trimoxazole, aspirin",
		reporter = 32
		create_at = 2016-07-30 04:15:11
		update_at = 2016-07-31 04:42:21
		}
			Pass

2	False	False	Pass
3	False	False	Pass
4	False	False	Pass

2.4.5 Unit Test Case (UTC-19): createAllergy(Allergy allergy) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass

2.3.6 Unit Test Case (UTC-20): updateAllergy(Allergy allergy) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass
3	False	False	Pass
4	False	False	Pass
5	False	False	Pass
6	False	False	Pass
7	False	False	Pass
8	False	False	Pass
9	False	False	Pass
10	False	False	Pass

2.3.7 Unit Test Case (UTC-21): deleteAllergy(Int allergy_id) : Boolean

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	True	True	Pass
2	False	False	Pass

2.3.8 Unit Test Case (UTC-22): searchAllergy(String allergies) : ArrayList

Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Expected Result	Pass/Fail
1	ArrayList<Allergy>{ Allergy{ allergy_id = 8 personal_id = 1759900241047 name = "Phithiwat", surname = "Sitthitun", allergy_drug = "Pyramidone, co-trimoxazole, aspirin", reporter = 32 create_at = 2016-07-30 04:15:11 update_at = 2016-07-31 04:42:21 } }	ArrayList<Allergy>{ Allergy{ allergy_id = 8 personal_id = 1759900241047 name = "Phithiwat", surname = "Sitthitun", allergy_drug = "Pyramidone, co-trimoxazole, aspirin", reporter = 32 create_at = 2016-07-30 04:15:11 update_at = 2016-07-31 04:42:21 } }	Pass

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2	ArrayList<Allergy>{
	Allergy{
	allergy_id = 11
	personal_id = 1779900241047
	name = "Somjai", surname =
	"Ngaila", allergy_drug =
	"Multivitamins", reporter = 31
	create_at = 2016-07-31 18:47:11
	update_at = 2016-07-31 18:47:11
	}
	}
		ArrayList<Allergy>{
		Allergy{
		allergy_id = 11
		personal_id = 1779900241047
		name = "Somjai", surname =
		"Ngaila", allergy_drug =
		"Multivitamins", reporter = 31
		create_at = 2016-07-31 18:47:11
		update_at = 2016-07-31 18:47:11
		}
		}
			Pass

3	ArrayList<Allergy>{
	Allergy{
	allergy_id = 10
	personal_id = 1600100485726
	name = "Natthakan",
	surname = "Kaeokanpai",
	allergy_drug = "Vitamin C",
	reporter = 32
	create_at = 2016-07-31 04:20:43
	update_at = 2016-07-31 04:20:43
	}
	}
		ArrayList<Allergy>{
		Allergy{
		allergy_id = 10
		personal_id = 1600100485726
		name = "Natthakan",
		surname = "Kaeokanpai",
		allergy_drug = "Vitamin C",
		reporter = 32
		create_at = 2016-07-31 04:20:43
		update_at = 2016-07-31 04:20:43
		}
		}
			Pass

4	ArrayList<Allergy>{
	Allergy{
	allergy_id = 8
	personal_id = 1759900241047
	name = "Phithiwat",
	surname = "Sitthitun",
	allergy_drug = "Pyramidone,
	co-trimoxazole, aspirin",
	reporter = 32
	create_at = 2016-07-30 04:15:11
	update_at = 2016-07-31 04:42:21
	}
	Allergy{
	allergy_id = 10
	personal_id = 1600100485726
	name = "Natthakan",
	surname = "Kaeokanpai",
	allergy_drug = "Vitamin C",
	reporter = 32
	create_at = 2016-07-31 04:20:43
	update_at = 2016-07-31 04:20:43
	}
	Allergy{
	allergy_id = 11
	personal_id = 1779900241047
		ArrayList<Allergy>{
		Allergy{
		allergy_id = 8
		personal_id = 1759900241047
		name = "Phithiwat",
		surname = "Sitthitun",
		allergy_drug = "Pyramidone,
		co-trimoxazole, aspirin",
		reporter = 32
		create_at = 2016-07-30 04:15:11
		update_at = 2016-07-31 04:42:21
		}
		Allergy{
		allergy_id = 10
		personal_id = 1600100485726
		name = "Natthakan",
		surname = "Kaeokanpai",
		allergy_drug = "Vitamin C",
		reporter = 32
		create_at = 2016-07-31 04:20:43
		update_at = 2016-07-31 04:20:43
		}
		Allergy{
		allergy_id = 11
		personal_id = 1779900241047
			Pass

	name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31 create_at = 2016-07-31 18:47:11 update_at = 2016-07-31 18:47:11 } }	name = "Somjai", surname = "Ngaila", allergy_drug = "Multivitamins", reporter = 31 create_at = 2016-07-31 18:47:11 update_at = 2016-07-31 18:47:11 } }	
5	Null	Null	Pass

2.4 Class LoginEvenManagerTest

2.4.1 Unit Test Case (UTC-23): Login() : void

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	['status'] = 1	['status'] = 1	Pass
2	['status'] = 0	['status'] = 0	Pass
3	['status'] = 0	['status'] = 0	Pass
4	['status'] = 0	['status'] = 0	Pass

2.5 Class PreferencesManagerTest

2.5.1 Unit Test Case (UTC-24): getUserInformation() : UserInformationModel

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	UserInformationModel is not Null	UserInformationModel is not Null	Pass

2.6 Class QRCodeEncoderTest

2.6.1 Unit Test Case (UTC-25): encode(String contents, BarcodeFormat format, int width, int height): BitMatrix

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	BitMatrix {contents = "contents", BarcodeFormat = "format", int = "9",int = "9")}	BitMatrix {contents = "contents", BarcodeFormat = "format", int = "9",int = "9")}	Pass

Chapter Three | System Testing Record

System Test Case (STC-01): Doctors can view a doctor home page on the web application.
Test date: July, 25th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1.1	The system shall display the doctor home page which includes information of current doctor, patient options menu box and allergy options menu box.	The system display the doctor home page which includes information of current doctor, patient options menu box and allergy options menu box.	Pass

System Test Case (STC-02): Doctors can create patient's profiles on the web application application by inputting personal id, name, surname, prescription or username.
Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1.1	System saves the patient's information to the database and also display the patient's profile.	System saves the patient's information to the database and also display the patient's profile.	Pass
1.2	System displays error message "Personal ID has already been exist.".	System displays error message "Personal ID has already been exist.".	Pass
1.2	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
1.3	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
1.4	System displays error message "Personal ID cannot be blank".	System displays error message "Personal ID cannot be blank".	Pass
1.5	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
1.6	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
1.7	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass

ID	Expected Result	Actual Result	Pass/Fail
1.8	System displays error message "Surname cannot be blank".	System displays error message "Surname cannot be blank".	Pass
1.9	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
1.10	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
1.11	System displays error message "Prescription cannot be blank".	System displays error message "Prescription cannot be blank".	Pass
1.12	System displays error message "Username cannot be blank".	System displays error message "Username cannot be blank".	Pass

System Test Case (STC-03): Doctors can update patient's profiles on the web application application by inputting personal id, name, surname, prescription and username.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
2.1	System saves the new patient's information to the database and also displays the patient's profile.	System saves the new patient's information to the database and also displays the patient's profile.	Pass
2.3	System displays error message "Personal ID has already been exist.".	System displays error message "Personal ID has already been exist.".	Pass
2.2	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
2.3	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
2.4	System displays error message "Personal ID cannot be blank".	System displays error message "Personal ID cannot be blank".	Pass
2.4	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
2.5	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
2.6	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass

2.7	System displays error message "Surname cannot be blank".	System displays error message "Surname cannot be blank".	Pass
2.8	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
2.9	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
2.10	System displays error message "Prescription cannot be blank".	System displays error message "Prescription cannot be blank".	Pass
2.11	System displays error message "Username cannot be blank".	System displays error message "Username cannot be blank".	Pass
2.12	System displays error message "Username has already been taken. Please change".	System displays error message "Username has already been taken. Please change".	Pass

System Test Case (STC-04): Doctors can delete patient's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
3.1	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'.	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'.	Pass
3.2	The system display list of patient's profile without profile that deleted.	The system display list of patient's profile without profile that deleted.	Pass
3.3	The system display list of patient's profile that any patient's profile not to deleted.	The system display list of patient's profile that any patient's profile not to deleted.	Pass

System Test Case (STC-05): Doctors can search patient's profiles on the web application by using personal id, name or surname.

Test date: July, 27th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
4.1	System displays patient's informations.	System displays patient's informations.	Pass
4.2	System displays patient's informations.	System displays patient's informations.	Pass
4.3	System displays message "No results found".	System displays message "No results found".	Pass
4.4	System displays patient's information.	System displays patient's information.	Pass
4.5	System displays message "No results found."	System displays message "No results found."	Pass
4.6	System displays patient's information.	System displays patient's information.	Pass
4.7	System displays patient's information.	System displays patient's information.	Pass
4.8	System displays message "No results found"	System displays message "No results found"	Pass

System Test Case (STC-06): Doctors can view patient's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	System displays the patient's profile, which includes personal ID, name, surname, prescription, responsible, username, password, create date and update date of patient's profiles, update button and delete button also.	System displays the patient's profile, which includes personal ID, name, surname, prescription, responsible, username, password, create date and update date of patient's profiles, update button and delete button also.	Pass

System Test Case (STC-07): Doctors can view a list of patient's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	System displays the lists of patient's profile on the management page.	System displays the lists of patient's profile on the management page.	Pass

System Test Case (STC-08): Administrators can view an admin home page on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
1	The system shall display the doctor home page which includes information of current admin, user options menu box.	The system shall display the doctor home page which includes information of current admin, user options menu box.	Pass

System Test Case (STC-09): Administrators can add user's profiles on the web application by inputting name, surname, username, password, confirm-password and position.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
7.1	System saves the user's information to the database and also display the patient's profile.	System saves the user's information to the database and also display the patient's profile.	Pass
7.2	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
7.3	System displays error message "Surname cannot be blank.	System displays error message "Surname cannot be blank.	Pass
7.4	System displays error message "Username cannot be blank".	System displays error message "Username cannot be blank".	Pass
7.5	System displays error message "Username has already been taken. Please change."	System displays error message "Username has already been taken. Please change."	Pass
7.6	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
7.7	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
7.8	System displays error message "Password cannot be blank".	System displays error message "Password cannot be blank".	Pass
7.9	System displays error message "Confirm-Password cannot be blank".	System displays error message "Confirm-Password cannot be blank".	Pass
7.10	System displays error message "Password and Confirm-Password do not Match, Please try again."	System displays error message "Password and Confirm-Password do not Match, Please try again."	Pass
7.11	System displays error message "Position cannot be blank.".	System displays error message "Position cannot be blank.".	Pass

System Test Case (STC-10): Administrators can update user's profiles on the web application by inputting name, surname, username, password, confirm-password and position.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
8.1	System saves the user's information to the database and also display the patient's profile.	System saves the user's information to the database and also display the patient's profile.	Pass
8.2	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
8.3	System displays error message "Surname cannot be blank.	System displays error message "Surname cannot be blank.	Pass
8.4	System displays error message "Username cannot be blank".	System displays error message "Username cannot be blank".	Pass
8.5	System displays error message "Username has already been taken. Please change."	System displays error message "Username has already been taken. Please change."	Pass
8.6	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
8.7	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
8.8	System displays error message "Password cannot be blank".	System displays error message "Password cannot be blank".	Pass
8.9	System displays error message "Confirm-Password cannot be blank".	System displays error message "Confirm-Password cannot be blank".	Pass
8.10	System displays error message "Password and Confirm-Password do not Match, Please try again."	System displays error message "Password and Confirm-Password do not Match, Please try again."	Pass
8.11	System displays error message "Position cannot be blank.".	System displays error message "Position cannot be blank.".	Pass

System Test Case (STC-11): Administrators can delete user's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
11.1	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'. Result.	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'.	Pass
11.2	The system display list of user's profile without profile that deleted.	The system display list of user's profile without profile that deleted.	Pass
11.3	The system display list of user's profile that any user's profile not to deleted.	The system display list of user's profile that any user's profile not to deleted.	Pass

System Test Case (STC-12): Administrations can search user's profiles on the web application by using name, surname or username.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Expected Result	Pass/Fail
4.1	System displays user's information.	System displays user's information.	Pass
4.2	System displays user's information.	System displays user's information.	Pass
4.3	System displays message "No results found."	System displays message "No results found."	Pass
4.4	System displays user's information.	System displays user's information.	Pass
4.5	System displays patient's information.	System displays patient's information.	Pass

4.6	System displays message "No results found"	System displays message "No results found"	Pass
4.7	System displays patient's information.	System displays patient's information.	Pass
4.8	System displays patient's information.	System displays patient's information.	Pass
4.9	System displays message "No results found"	System displays message "No results found"	Pass

System Test Case (STC-13): Administrations can view user's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
5.1	System displays the user's information, which includes ID, position, name, surname, username and password of user, update button and delete button also.	System displays the user's information, which includes ID, position, name, surname, username and password of user, update button and delete button also.	Pass

System Test Case (STC-14): Administrations can view a list of user's profiles on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
14.1	System displays the lists of user on the manage page.	System displays the lists of user on the manage page.	Pass

System Test Case (STC-15): Doctors, Administrations, and FDAs can login to the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
15.1	System displays error message "Username cannot be blank."	System displays error message "Username cannot be blank."	Pass
15.2	System displays error message "Password cannot be blank."	System displays error message "Password cannot be blank."	Pass
15.3	System displays error box message "Username is incorrect!"	System displays error box message "Username is incorrect!"	Pass
15.4	System displays error box message "Password is incorrect!"	System displays error box message "Password is incorrect!"	Pass
15.5	System redirect to user home page.	System redirect to user home page.	Pass

System Test Case (STC-16): Doctors, Administrations, and FDAs can logout from the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
6.1	System redirect user to index web page.	System redirect user to index web page.	Pass

System Test Case (STC-17): Doctors can create allergy report on the web application by inputting personal id, name, surname, and allergy drug.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
17.1	System saves the allergy report to the database and also display the allergy	System saves the allergy report to the database and also display the allergy	Pass
17.2	System displays error message "Personal ID has already been exist. Please change.".	System displays error message "Personal ID has already been exist. Please change.".	Pass
17.3	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
17.4	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
17.5	System displays error message "Personal ID cannot be blank".	System displays error message "Personal ID cannot be blank".	Pass
17.6	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
17.7	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
17.8	System displays error message "Surname cannot be blank".	System displays error message "Surname cannot be blank".	Pass
17.9	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
17.10	System displays error message "Allergy drug cannot be blank".	System displays error message "Allergy drug cannot be blank".	Pass

System Test Case (STC-18): Doctors can update an allergy report on the web application by inputting personal id, name, surname, and allergy drug.

Test date: July, 27th 2016

Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
18.1	System saves the new allergy report to the database and also displays the allergy report.	System saves the new allergy report to the database and also displays the allergy report.	Pass
18.2	System displays error message "Personal ID has already been exist. Please change.".	System displays error message "Personal ID has already been exist. Please change.".	Pass
18.3	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
18.4	System displays error message "Personal ID is Invalid".	System displays error message "Personal ID is Invalid".	Pass
18.5	System displays error message "Personal ID cannot be blank".	System displays error message "Personal ID cannot be blank".	Pass
18.6	System displays error message "Name cannot be blank".	System displays error message "Name cannot be blank".	Pass
18.7	System displays error message "Name is invalid	System displays error message "Name is invalid	Pass
18.8	System displays error message "Surname cannot be blank".	System displays error message "Surname cannot be blank".	Pass
18.9	System displays error message "Surname is invalid".	System displays error message "Surname is invalid".	Pass
18.10	System displays error message "Allergy drug cannot be blank".	System displays error message "Allergy drug cannot be blank".	Pass

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System Test Case (STC-19): Doctors can delete an allergy report on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
19.1	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'.	The system interface to show the confirm box "Are you sure you want to delete this item?" and delete from database after click button 'OK'.	Pass
3.2	The system display list of allergy reports without report that deleted.	The system display list of allergy reports without report that deleted.	Pass
3.3	The system display list of allergy reports that any allergy report not to deleted.	The system display list of allergy reports that any allergy report not to deleted.	Pass

System Test Case (STC-20): Doctors can search allergy reports on the web application by using personal id, name or surname.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
20.1	System displays report's informations.	System displays report's informations.	Pass
20.2	System displays report's informations.	System displays report's informations.	Pass
20.3	System displays message "No results found".	System displays message "No results found".	Pass
20.4	System displays report's information.	System displays report's information.	Pass
20.5	System displays report's information.	System displays report's information.	Pass
20.6	System displays message "No results found."	System displays message "No results found."	Pass
20.7	System displays report's information.	System displays report's information.	Pass
20.8	System displays report's information.	System displays report's information.	Pass
20.9	System displays message "No results found.	System displays message "No results found"	Pass

System Test Case (STC-21): Doctors can view an allergy report on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
21.1	System displays the allergy report, which includes allergy Id, personal Id, name, surname, allergy drug, reporter, create date and update date of allergy report, update button and delete button also.	System displays the allergy report, which includes allergy Id, personal Id, name, surname, allergy drug, reporter, create date and update date of allergy report, update button and delete button also.	Pass

System Test Case (STC-22): Doctors can view list of allergy reports on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
22.1	System displays the lists of allergy report on the management page.	System displays the lists of allergy report on the management page.	Pass

System Test Case (STC-23): FDAs can view a FDA home page on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
23.1	The system shall display the FDA home page which includes information of current FDA, allergy options menu box.	The system shall display the FDA home page which includes information of current FDA, allergy options menu box.	Pass

System Test Case (STC-24): FDAs can view an allergy report on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
24.1	System displays the allergy report, which includes allergy Id, personal Id, name, surname, allergy drug, reporter, create date and update date of allergy report.	System displays the allergy report, which includes allergy Id, personal Id, name, surname, allergy drug, reporter, create date and update date of allergy report.	Pass

System Test Case (STC-25): FDAs can view list of allergy reports on the web application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
25.1	System displays the lists of allergy report.	System displays the lists of allergy report.	Pass

System Test Case (STC-26): Patients can login to the mobile application by using username and password.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
17.1	System display error message "Invalid Username or Password"	System display error message "Invalid Username or Password"	Pass
17.2	System display error message "Invalid Username or Password"	System display error message "Invalid Username or Password"	Pass
17.3	System displays the error message. "Invalid Username or Password".	System displays the error message. "Invalid Username or Password".	Pass
17.4	System displays the error message. "Invalid Username or Password".	System displays the error message. "Invalid Username or Password".	Pass
17.5	System displays the error message. "Please check your internet".	System displays the error message. "Please check your internet".	Pass
17.6	System displays message "Login success" and redirect user to the main page.	System displays message "Login success" and redirect user to the main page.	Pass

System Test Case (STC-27): Patients can logout from the mobile application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
18.1	Patient can click "Logout" button.	Patient can click "Logout" button.	Pass
18.2	System exits from the application	System exits from the application	Pass

System Test Case (STC-28): Patients can view the QR code on the mobile application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
18.1	Patient can click "Show QR code" button.	Patient can click "Show QR code" button.	Pass
18.2	Patient can view the QR code on the screen.	Patient can view the QR code on the screen.	Pass

System Test Case (STC-29): Pharmacists can scan the QR code on the mobile application.

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Actual Result	Pass/Fail
18.1	Pharmacist can click "Show QR code" button.	Pharmacist can click "Show QR code" button.	Pass
18.2	Pharmacist can view the information of patient's profile after scan QR code.	Pharmacist can view the information of patient's profile after scan QR code.	Pass
18.3	Pharmacist can view the information of patient's profile after scan QR code.	Pharmacist can view the information of patient's profile after scan QR code.	Pass
18.4	Pharmacist can view the information of patient's profile after scan QR code.	Pharmacist can view the information of patient's profile after scan QR code.	Pass

System Test Case (STC-30): **Pharmacists can add the time of dispensation to patient's profile on the mobile application.**

Test date: July, 27th 2016
Tested by: Natthakan Kaeokanpai, Phithiwat Sitthitun

ID	Expected Result	Expected Result	Pass/Fail
18.1	Pharmacist can click "Confirm" button.	Pharmacist can click "Confirm" button.	Pass
18.2	Pharmacist can view the message"Successful" after select "confirm" button.	Pharmacist can view the message"Successful" after select "confirm" button.	Pass