**SMART PRESCRIPTION APPLICATION**

Test Record

By

|  |  |  |
| --- | --- | --- |
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**Document History**

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*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 |

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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
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**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 |

|  |  |  |  |  |  |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 |

|  |  |  |  |  |  |
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**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 |

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**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 |

|  |  |  |  |  |  |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

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**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 |

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**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 |

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**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 |

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**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 |

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**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 |

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|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

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**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 |

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**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 |

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**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 |

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**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 |

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| --- | --- | --- | --- | --- | --- |
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**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 |

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| --- | --- | --- | --- | --- | --- |
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**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 |

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**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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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| Document Type | Test Record | Release  Date | August 26th, 2016 | Print Date | December 9th, 2016 |