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| Use Case ID | UC-01 | | | |
| Use Case Name | Examinees register online on a web application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can register online on a web application | | | |
| Trigger | Examinees click register button | | | |
| Preconditions |  | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| Username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| Password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| Id no | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456789012 |
| Prefix name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Mr/Mrs |
| Name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Sompong |
| Surname | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Meetong |
| Age | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 22 |
| Address | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 401 ABC-condo Chiangmai  Thailand |
| Phone no | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 080-1234567 |
| e-mail | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | SompongZaa@outlook.com |
| Work Address no. | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 16/61 Chiangmai Thailand  50000 |
| Work phone no. | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 02-1234567 |
| Work e-mail | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Works001@outlook.com |
| Register date | date | This value is date time | | 16/04/18 |
| Post conditions | If the register use case is successful, the user is logged into the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Examinees input information  (username, password, id no,  Prefix name, surname, address, phone no, e-mail, work address no, work phone no, work e-mail, register-date) | | 2.The system shall provide button “ตรวจสอบชื่อผู้ใช้” for validate exist username  3. The system shall validate that the examinee username exist.  4. The system shall provide the interface to show the message “Username นี้สามารถใช้งานได้” when username exist in the database  5. The system shall provide button “ตรวจสอบเลขบัตรประชาชน” for validate exist ID  6. The system shall validate that the examinee ID no. exist  7. The system shall provide the interface to show the message “บัตรประชาชน นี้สามารถใช้งานได้” when ID no. exist in the database.  8. The system shall save examinee information to database.  9. The system return to login UI. When examinee register successful. | |
| Alternative Flow | A1: The system shall provide interface to show the error message “"กรุณาระบุคำนำหน้าชื่อ"” when examinee does not input prefix name or input wrong prefix name format   1. The system notifies that “กรุณาระบุคำนำหน้าชื่อ” 2. Goes to normal flow 1   A2: The system shall provide interface to show the error message “กรุณาระบุชื่อของคุณให้ถูกต้อง” when examinee does not input name or input wrong name format.   1. The system notifies that “กรุณาระบุชื่อของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A3: The system shall provide interface to show the error message “กรุณาระบุชื่อสกุลของคุณให้ถูกต้อง” when examinee does not input last name or wrong last name format.   1. The system notifies that “ กรุณาระบุชื่อสกุลของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A4: The system shall provide interface to show the error message “กรุณาระบุที่อยู่ของคุณให้ถูกต้อง” when examinee does not input address or input wrong address format.  1. The system notifies that “กรุณาระบุที่อยู่ของคุณให้ถูกต้อง”  2. Goes to normal flow 1  A5: The system shall provide interface to show the error message “กรุณาระบุเบอร์ของคุณให้ถูกต้อง” when examinee does not input phone no or input wrong phone no format.   1. The system notifies that ”กรุณาระบุเบอร์ของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A6: The system shall provide interface to show the error message “กรุณาระบุอีเมลของคุณให้ถูกต้อง” when examinee does not input e-mail or input wrong email format.   1. The system notifies that “กรุณาระบุอีเมลของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A7: The system shall provide interface to show the error message “กรุณาระบุที่อยูที่ทำงานของคุณให้ถูกต้อง” when examinee does not input work address or input wrong work address format.   1. The system notifies that “กรุณาระบุที่อยูที่ทำงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A8: The system shall provide interface to show the error message “กรุณาระบุเบอร์ที่ทำงานของคุณให้ถูกต้อง” when examinee does not input phone no or input wrong phone no format.   1. The system notifies that “กรุณาระบุเบอร์ที่ทำงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A9: The system shall provide interface to show the error message “กรุณาระบุอีเมลที่ทำงานของคุณให้ถูกต้อง” when examinee does not input work e-mail or input wrong work e-mail format.   1. The system notifies that “กรุณาระบุอีเมลที่ทำงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A10: The system shall provide interface to show the error message “กรุณาระบุการศึกษาสูงสุดของคุณให้ถูกต้อง” when examinee does not input graduate or input wrong graduate format.   1. The system notifies that “กรุณาระบุการศึกษาสูงสุดของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A11: The system shall provide interface to show the error message “กรุณาระบุประสบการณ์การทำงานของคุณให้ถูกต้อง” when examinee does not input work experience or input wrong work experience format.   1. The system notifies that “กรุณาระบุประสบการณ์การทำงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A12: The system shall provide interface to show the error message “กรุณาระบุขอบข่ายที่ขอรับการทดสอบของคุณให้ถูกต้อง” when examinee does not input scope for testing or input wrong scope for testing format.   1. The system notifies that “กรุณาระบุขอบข่ายที่ขอรับการทดสอบของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A13: The system shall provide interface to show the error message “กรุณาระบุตำ แหน่งงานของคุณให้ถูกต้อง” when examinee does not input position or input wrong position format.   1. The system notifies that “กรุณาระบุตำ แหน่งงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A14: The system shall provide interface to show the error message “กรุณาระบุรายละเอียดงานปัจจุบัน ของคุณให้ถูกต้อง” when examinee does not input position detail or input wrong position detail format.   1. The system notifies that “กรุณาระบุรายละเอียดงานปัจจุบัน ของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A15: The system shall provide interface to show the error message “กรุณาระบุการฝึกอบรม/ดูงานของคุณให้ถูกต้อง” when examinee does not input workshop or input wrong workshop format.   1. The system notifies that “กรุณาระบุการฝึกอบรม/ดูงานของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A16: The system shall provide interface to show the error message “กรุณาระบุโคด้ ของคุณให้ถูกต้อง” when examinee does not input captcha or input wrong captcha format.   1. The system notifies that “กรุณาระบุโคด้ ของคุณให้ถูกต้อง” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption |  | | | |

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| Use Case ID | UC-02 | | | |
| Use Case Name | Guest user login on web application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Guest user | | | |
| Description | Guest user can login on web application | | | |
| Trigger | Guest user click login button | | | |
| Preconditions | Guest user must have register in the system already | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| Username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| Password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| Post conditions | If the use case is successful, the user is logged into the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User input username and password | | 2. The system shall validate username and password from database.  [A1: guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด ”  A:2 The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password  A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username  A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.  A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.  A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user does not the username in text field.  A7:The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user when input blank both username and password.]  3. The system redirect to examinee UI when examinee login successful. | |
| Alternative Flow | A1. guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด”   1. The system notifies that “รหัสผ่านผิดพลาด” 2. Goes to normal flow 1   A:2 The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password   1. The system notifies that “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username   1. The system notifies that “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.   1. The system notifies that “กรุณากรอกรหัสผ่าน” 2. Goes to normal flow 1   A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.   1. The system notifies that “รหัสผ่านจะต้องไม่เหมือนชื่อ Username” 2. Goes to normal flow 1   A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user does not the username in text field.   1. The system notifies that “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1   A7:The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user when input blank both username and password.   1. The system notifies that “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Actor must already have the username and password. | | | |

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| Use Case ID | UC-03 | | | |
| Use Case Name | Examinees edit their own profile | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can edit their own profile | | | |
| Trigger | Examinees click menu “ข้อมูลส่วนตัว” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| Username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| Password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| address | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 401 ABC-condo Chiangmai  Thailand |
| Phone no | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 080-1234567 |
| email | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | SompongZaa@outlook.com |
| work address | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 16/61 Chiangmai Thailand  50000 |
| Work phone no | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 02-1234567 |
| Work email | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Works001@outlook.com |
| Post conditions | If the use case is successful, The system shall update new profile into the database. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User input new update profile | | 2. The system shall provide edit their profile UI, which include password, name (ชื่อ), last name (นามสกุล), address (ที่อยู่) , phone no(โทรศํพท์), email (อีเมล์), work address (ที่อยู่ทำงาน),work phone no (โทรศัพท์ ทำงาน) and work email (อีเมล์ ทำงาน).  3. The system retrieve the examinee profile from database.  4. The system shall provide the interface to show the confirm box “กรุณา ยืนยันการแกไข ”and return to edit their profile UI.  [A1: The system shall provide interface to show the error message “กรุณากรอก password ให้ถูกต้อง”when examinee does not input password or input wrong format  A2: The system shall provide interface to show the error message “กรุณาระบุชื่อของคุณให้ถูกต้อง” when examinee does not input or input wrong format name (ชื่อ).  A3: The system shall provide interface to show the error message “กรุณาระบุ ชื่อสกุลของคุณให้ถูกต้อง” when examinee does not input or wrong input format last name (นามสกุล).  A4: The system shall provide interface to show the error message “กรุณาระบุหมายเลขโทรศัพท์ (ตัวอย่าง: 0801234567)” when examinee does not input or input wrong format phone (โทรศัพท์).  A5: The system shall provide interface to show the error message “กรุณาระบุ ที่อยูที่ทำงานของคุณ" ” when examinee does not input or input wrong format work address (ที่อยูที่ทำงาน).  A6: The system shall provide interface to show the error message “กรุณาระบุหมายเลขโทรศัพท์ (ตัวอย่าง: 0801234567)” when examinee does not input or input wrong format work phone no. (เบอร์โทรที่ทำงาน).  A7: The system shall provide interface to show the error message “กรุณาระบุ อีเมลให้ถูกต้อ ง” when examinee does not input or input wrong format work email  (อีเมลที่ทำงาน).]  5. The system shall update new profile into the database | |
| Alternative Flow | A1: The system shall provide interface to show the error message “กรุณากรอก password ให้ถูกต้อง”when examinee does not input password or input wrong format   1. The system notifies that “กรุณากรอก password ให้ถูกต้อง” 2. Goes to normal flow 1   A2: The system shall provide interface to show the error message “กรุณาระบุชื่อของคุณให้ถูกต้อง” when examinee does not input or input wrong format name (ชื่อ).   1. The system notifies that ”กรุณาระบุชื่อของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A3: The system shall provide interface to show the error message “กรุณาระบุ ชื่อสกุลของคุณให้ถูกต้อง” when examinee does not input or wrong input format last name (นามสกุล).   1. The system notifies that “ กรุณาระบุชื่อสกุลของคุณให้ถูกต้อง” 2. Goes to normal flow 1   A4: The system shall provide interface to show the error message “กรุณาระบุหมายเลขโทรศัพท์ (ตัวอย่าง: 0801234567)” when examinee does not input or input wrong format phone (โทรศัพท์).   1. The system notifies that “กรุณาระบุหมายเลขโทรศัพท์(ตัวอย่าง: 0801234567)” 2. Goes to normal flow 1   A5: The system shall provide interface to show the error message “กรุณาระบุ ที่อยูที่ทำงานของคุณ” when examinee does not input or input wrong format work address (ที่อยูที่ทำงาน).   1. The system notifies that “กรุณาระบุที่อยุ่ที่ทำงานของคุณ” 2. Goes to normal flow 1   A6: The system shall provide interface to show the error message “กรุณาระบุหมายเลขโทรศัพท์ (ตัวอย่าง: 0801234567)” when examinee does not input or input wrong format work phone no. (เบอร์โทรที่ทำงาน).   1. The system notifies that “ กรุณาระบุหมายเลขโทรศัพท์(ตัวอย่าง: 0801234567)” 2. Goes to normal flow   A7: The system shall provide interface to show the error message “กรุณาระบุ อีเมลให้ถูกต้อง” when examinee does not input or input wrong format work email  (อีเมลที่ทำงาน).   1. The system notifies that “กรุณาระบุอีเมลให้ถูกต้อง” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have information in the system | | | |

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| Use Case ID | UC-04 | | | |
| Use Case Name | Examinees view profile | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can view their own profile | | | |
| Trigger | Examinees click menu “ข้อมูลส่วนตัว” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful, The system shall show user information. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User select menu “ข้อมูลส่วนตัว” | | 2.The system retrieve the examinee information result from database.   1. The system provide the examinee information profile which include name, password, name (ชื่อ), last name (นามสกุล), address (ที่อยู่), phone (โทรศัพท์), email (อีเมล์), address (ที่อยูทำงาน), phone (โทรศัพท์ทำงาน) and email (อีเมล์ทำงาน) from database. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have information in the system | | | |

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| Use Case ID | UC-05 | | | |
| Use Case Name | Examinees register on examination | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can register on the examination. | | | |
| Trigger | Examinees click “ลงทะเบียนสอบ” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The system shall save the examinee registration to the database. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Examinees select menu “ลงทะเบียนสอบ” | | 2. The system shall provide the interface to show the message “กรุณาเลือกวิชาสอบที่ต้องการ” when examinee does not select ลงทะเบียนวิชาสอบ.  3. The system shall provide the interface to show the message “กรุณาเลือก ระดับวิชา” when examinee does not select ระดับวิชา.  4.The system shall provide the interface to show the message “กรุณาเลือก ระดับวิชา” when examinee does not select ระดับวิชา” and ลงทะเบียนวิชาสอบ.  5. The system shall provide button “ลงทะเบียน” for register the examination.  6. The system shall interface to show the confirm box “กรุณายืนยันการลงทะเบียน”  7.The system shall save the examinee registration to the database. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have information in the system | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-06 | | | |
| Use Case Name | Examinees delete the register on examination | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can delete the registration of the examination. | | | |
| Trigger | Examinees click “ลงทะเบียนสอบ” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The system shall delete the examination from the database. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.user select menu “ลงทะเบียนสอบ” | | 2. The system provides delete their registered examination UI, which include the registered examination list and examination schedule and button “ลบ”.  3. The system shall interface to show the confirm box “กรุณายืนยันการลบอีกครั้ง!!!” and delete from database. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination register in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-07 | | | |
| Use Case Name | Examinees view the examination registration | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date |  |
| Actors | Examinees | | | |
| Description | Examinees can view the examination registration confirmation. | | | |
| Trigger | Examinees click “ข้อมูลส่วนตัว” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The system shall show the examination registration. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User select menu “ข้อมูลส่วนตัว” | | 2. The system retrieve the examination registration confirmation from database  3. The system shall provide examination registration confirmation list. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination register in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-08 | | | |
| Use Case Name | Examinees view the examination result. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can view the examination result. | | | |
| Trigger | Examinees click “ข้อมูลส่วนตัว” | | | |
| Preconditions | Examinees must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The system shall show the examination result . If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User select menu “ข้อมูลส่วนตัว” | | 2. The system retrieve the examination result from database.  3. The system shall provide examination result. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-09 | | | |
| Use Case Name | Users log out the web application. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Users | | | |
| Description | Users can log out of the web application. | | | |
| Trigger | Users click “ออกจากระบบ” | | | |
| Preconditions | Users must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | User must logout the system already | | | |
| Normal Flows | User | | System | |
|  | 1.User select menu “ออกจากระบบ” | | 2. The system redirect to home page. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have logged in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-10 | | | |
| Use Case Name | Admin login to the administration system | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can login to the administration system. | | | |
| Trigger | Guest user click login to the administration system. | | | |
| Preconditions | Admin must have username and password in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| Username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| Password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| Post conditions | If the use case is successful The user is logged into the administration system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input username and password | | 2. The system shall validate username and password from database.  [A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด่ ”  A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password,  A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.  A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.  A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.  A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user does not the username in text field.  A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user when input blank both username and password  ]  3. The system redirect to admin UI when admin login successful. | |
| Alternative Flow | A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด”   1. The system notifies “รหัสผ่านผิดพลาด” 2. Goes to normal flow 1   A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password,   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.   1. The system notifies “กรุณากรอกรหัสผ่าน” 2. Goes to normal flow 1   A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.   1. The system notifies “รหัสจะต้องไม่เหมือนชื่อ Username” 2. Goes to normal flow 1   A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user does not the username in text field.   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1   A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user when input blank both username and password   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have username and password in the system | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-11 | | | |
| Use Case Name | Admin add inspectors, staffs and examiners to system. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can add inspectors, staffs and examiners to system. | | | |
| Trigger | Admin click “create user” | | | |
| Preconditions | Admin must logged in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Type of user | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Examimers |
| Post conditions | If the use case is successful The inspectors, staffs and examiners profile will add in the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall save the user information to the database.[A1: The system shall provide interface to show the error message “Username cannot be blank” when admin does not input username  A2: The system shall provide interface to show the error message “Password cannot be blank” when admin does not input password.  A3: The system shall provide interface to show the error message “Name cannot be blank” when admin does not input name. ]  3. The system shall provide user information when admin added user successful. | |
| Alternative Flow | A1: The system shall provide interface to show the error message “Username cannot be blank” when admin does not input username   1. The system notifies that “Username cannot be blank” 2. Goes to normal flow 1   A2: The system shall provide interface to show the error message “Password cannot be blank” when admin does not input password.   1. The system notifies that “Password cannot be blank” 2. Goes to normal flow 1   A3: The system shall provide interface to show the error message “Name cannot be blank” when admin does not input name.   1. The system notifies that “Name cannot be blank” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-12 | | | |
| Use Case Name | Admin search for the information of inspectors, staffs and examiners | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can search for the information of inspectors, staffs and examiners | | | |
| Trigger | Admin click “search” | | | |
| Preconditions | Admin add inspectors, staffs and examiners to system. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Level for search information. | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Examimers |
| Post conditions | If the use case is successful The inspectors, staffs and examiners profile will add in the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall retrieve user information from database.[A1: The system shall display “No results found”, when admin inputs id, but the id does not exist in the database,  A2: The system shall display “No results found”, when admin inputs username, but the username does not exist in the database.  A3: The system shall display “No results found”, when admin inputs password does not exist in the database.  A4: The system shall display “No results found” when admin inputs level does not exist in the database. ]  3. The system shall provide user information list | |
| Alternative Flow | A1: The system shall display “No results found”, when admin inputs id, but the id does not exist in the database,   1. The system notifies that “No result found” 2. Goes to normal flow 1   A2: The system shall display “No results found”, when admin inputs username, but the username does not exist in the database.   1. The system notifies that “No result found” 2. Goes to normal flow 1   A3: The system shall display “No results found”, when admin inputs password does not exist in the database.   1. The system notifies that “No result found” 2. Goes to normal flow 1   A4: The system shall display “No results found” when admin inputs level does not exist in the database.   1. The system notifies that “No result found” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-13 | | | |
| Use Case Name | Admin view the information of inspectors, staffs and examiners. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can view the information of inspectors, staffs and examiners. | | | |
| Trigger | Admin select icon “view” | | | |
| Preconditions | Admin add inspectors, staffs and examiners to system. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| status | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | inspectors |
| Post conditions | If the use case is successful The inspectors, staffs and examiners profile will show in display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall retrieve user information from database  3. The system provides user information list which include (ID, username, password, ชื่อ (name) or ระดับ (level). | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-14 | | | |
| Use Case Name | Admin edit the information of inspectors, staffs and examiners | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can edit the information of inspectors, staffs and examiners | | | |
| Trigger | Admin select icon “edit” | | | |
| Preconditions | Admin add inspectors, staffs and examiners to system. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Post conditions | If the use case is successful The inspectors, staffs and examiners profile edited will update in the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall retrieve user information from database  3. The system shall update new information into the database  4. The system validates the user information which includes username, password, and name. [A1: The system shall provide the interface to show the error message “Username cannot be blank” when user does not input username  A2: The system shall provide the interface to show the error message “Password cannot be blank” when user does not input password.  A3: The system shall provide the interface to show the error message “Name cannot be blank” when user does not input name.]  5. The system shall provide new user information list. | |
| Alternative Flow | A1: The system shall provide the interface to show the error message “Username cannot be blank” when user does not input username   1. The system notifies “Users cannot be blank” 2. Goes to normal flow 1   A2: The system shall provide the interface to show the error message “Password cannot be blank” when user does not input password.   1. The system notifies “Password cannot be blank” 2. Goes to normal flow 1   A3: The system shall provide the interface to show the error message “Name cannot be blank” when user does not input name   1. The system notifies “Name cannot be blank” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-15 | | | |
| Use Case Name | Admin delete the account of inspectors, staffs and examiners. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can delete the account of inspectors, staffs and examiners. | | | |
| Trigger | Admin select icon “delete” | | | |
| Preconditions | Admin add inspectors, staffs and examiners to system. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Post conditions | If the use case is successful The inspectors, staffs and examiners profile will delete from the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall interface to show the confirm box “Are you sure to want to delete this item”  3. The system delete user from database.  4. The system shall provide user information list. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-16 | | | |
| Use Case Name | Admin view the information of examinees. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can view the information of examinees. | | | |
| Trigger | Admin select icon “view” | | | |
| Preconditions | Admin must logged in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Post conditions | If the use case is successful The examinees profile will show in the display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall retrieve examinee information from database  3. The system shall provide examinee information list. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have logged in administration system, examinees profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-17 | | | |
| Use Case Name | Admin search for the information of examinees. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can search for the information of examinees. | | | |
| Trigger | Admin select icon “view” | | | |
| Preconditions | Examinees register online on a web application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| id | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| Prefix name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Last name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Mahathep |
| address | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 55/61 London UK |
| Phone no. | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 0901234567 |
| Post conditions | If the use case is successful The examinees profile will show in the display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system validates (id, prefix name, name, last name, address and phone no.)  [A1: The system shall display “No results found”, when ID does not exist in the database.  A2: The system shall display “No results found”, when prefix name does not exist in the database.  A3: The system shall display “No results found”, when name does not exist in the database.  A4: The system shall display “No results found”, when name last does not exist in the database.  A5: The system shall display “No results found”, when address does not exist in the database.  A6: The system shall display “No results found”, when phone no. does not exist in the database. ]  3. The system shall retrieve examinee information from database.  4. The system shall provide examinee information list. | |
| Alternative Flow | A1: The system shall display “No results found”, when ID does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1   A2: The system shall display “No results found”, when prefix name does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1   A3: The system shall display “No results found”, when name does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1   A4: The system shall display “No results found”, when name last does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1   A5: The system shall display “No results found”, when address does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1   A6: The system shall display “No results found”, when phone no. does not exist in the database.   1. the system notifies “No results found” 2. goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have logged in administration system, examinees profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-18 | | | |
| Use Case Name | Admin delete the information of examinees. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Admin | | | |
| Description | Admin can delete the information of examinees. | | | |
| Trigger | Admin select icon “delete” | | | |
| Preconditions | Examinees register online on a web application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| name | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Somjeam |
| Post conditions | If the use case is successful The examinees profile will delete from the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Admin input information  of user in system | | 2. The system shall interface to show the confirm box “Are you sure to want to delete this item”.  3. The system delete examinee account from database.  4. The system shall provide examinee information list after delete compete. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-19 | | | |
| Use Case Name | Staffs log in on web application. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can log in on web application. | | | |
| Trigger | Staffs click log in button | | | |
| Preconditions | Staffs must have username and password | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inwza007 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 123456bc |
| Post conditions | If the use case is successful The staffs logged in the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.User input staffs username and password | | 2. The system shall validate username and password from database.  [A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด ”  A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password  A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.  A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.  A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.  A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user does not the username in text field.  A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน ”, when guest user when input blank both username and password. ]  3. The system redirect to staff UI when staff login successful. | |
| Alternative Flow | A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด”   1. The system notifies “รหัสผ่านผิดพลาด” 2. Goes to normal flow 1   A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password,   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.   1. The system notifies “กรุณากรอกรหัสผ่าน” 2. Goes to normal flow 1   A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.   1. The system notifies “รหัสจะต้องไม่เหมือนชื่อ Username” 2. Goes to normal flow 1   A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user does not the username in text field.   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1   A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user when input blank both username and password   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน”   Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Admin must have login in administration system, User profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-20 | | | |
| Use Case Name | Staffs view profile. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can view their own profile. | | | |
| Trigger | Staffs select menu”ข้อมูลส่วนตัว” | | | |
| Preconditions | Staffs must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The staffs profile will show in the display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Staff select menu “ข้อมูลส่วนตัว” | | 2. The system shall retrieve staff information from database  3. The system shall provide the information of staff which includes user, pass, and name | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, Staffs profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-21 | | | |
| Use Case Name | Staffs change password. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 11/04/18 | | Last Revision Date | 12/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can change the password. | | | |
| Trigger | Staffs select menu”ข้อมูลส่วนตัว” | | | |
| Preconditions | Staffs must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | If the use case is successful The staffs password shall new password. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Staff select menu “ข้อมูลส่วนตัว”  Then click “แก้ไข” button | | 2. The system retrieve password from database. [A1: The system shall provide the interface to show the message “รหัสผ่านจะต้องไม่เหมือนชื่อ Username” when staff inputs password same user mane  A2: The system shall provide the interface to show the message “กรุณากรอก ข้อมูลให้ครบ” when staff does not input password or input wrong format.]  3. The system shall provide the interface to show the confirm box “กรุณายืนยันการแก้ไข”  4. The system shall save new password into database.  5. The system shall provide new password. | |
| Alternative Flow | A1: The system shall provide the interface to show the message “รหัสผ่านจะต้องไม่เหมือนชื่อ Username” when staff inputs password same user mane   1. The system notifies “รหัสผ่านจะต้องไม่เหมือนชื่อ Username “ 2. Goes to normal flow 1   A2: The system shall provide the interface to show the message “กรุณากรอก ข้อมูลให้ครบ” when staff does not input password or input wrong format   1. The system notifies “กรุณากรอกข้อมุลให้ครบ “ 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, Staffs profile must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-22 | | | |
| Use Case Name | Staffs create examination. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can create the examination. | | | |
| Trigger | Staffs select menu”จัดการวิชาสอบ” | | | |
| Preconditions | Staffs must login in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| ชื่อวิชา | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | English101 |
| เวลาเริ่มสอบ | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 8.00 |
| เวลาสิ้นสุดการสอบ | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | 11.00 |
| ระดับวิชา | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | |  |
| การเก็บคะแนน | double | This value is numeric with the minimum length of 1 characters and the maximum length of 6 characters. | | 30 |
| Post conditions | If the use case is successful The examination will ready for examinees to registration. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Staff select menu “จัดการวิชาสอบ”  Then input examination information to system | | 2. The system shall save the examination into database.  3. The system shall provide the examination for examinee to register the examination  [A1: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information ชื่อวิชา.  A2: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information เวลาเริ่มสอบ.  A3: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information เวลาสิ้นสุดการสอบ.  A4: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information ระดับ วิชา.  A5: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information การเก็บคะแนน.] | |
| Alternative Flow | A1: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when user does not input information ชื่อวิชา.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 3   A2: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information เวลาเริ่มสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 3   A3: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information เวลาสิ้นสุดการสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 3   A4: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information ระดับ วิชา.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 3   A5: The system shall provide the interface to show the error message “กรุณากรอกขอ้ มูลให้ครบ” when user does not input information การเก็บคะแนน.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 3 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-23 | | | |
| Use Case Name | Staffs delete examination. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can delete the examination. | | | |
| Trigger | Staffs select menu”จัดการวิชาสอบ” | | | |
| Preconditions | Staffs create examination. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination will delete from the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Staff select menu “จัดการวิชาสอบ” | | 2.The system shall retrieve the examination information from database.  3.The system shall provide the examination information list with button “ลบ”.  4.The system shall provide interface to show the confirm box “กรุณายืนยันการลบอีกครั้ง!!!”  5.The system shall delete the examination from database | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, examination information must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-24 | | | |
| Use Case Name | Staffs upload the examinees’ identification documents. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can upload the examinees’ identification documents. | | | |
| Trigger | Staffs select menu”อัพโหลดเอกสาร” | | | |
| Preconditions | Staffs must logged in the system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination document will upload to the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu”อัพโหลดเอกสาร” | | 2.The system shall provide the staff upload the examinees’ identification documents UI which include examinee information (id no., name, file1, file2, file3, file4, file5, file6, and file7, examination fee and icon “view”).  [A1: The system shall provide the interface to show the error message “กรุณาเลือกข้อมูล” when user does not select (file1, file2, file3, file4, file5, file6, and file7)  ]  3. The system shall provide interface for upload the examinees’ identification documents which include (drop down list form, button “Choose file, button “submit” and link “กลับ”)  4. The system provide browse file UI from computer.[ A2: The system shall provide the interface to show the error message “กรุณาเลือกข้อมูล” when user does not select file from computer]  5. The system shall save file into the database and icon will change from icon red to icon green | |
| Alternative Flow | A1: The system shall provide the interface to show the error message “กรุณาเลือกข้อมูล” when user does not select (file1, file2, file3, file4, file5, file6, and file7)   1. The system notifies that”กรุณาเลือกข้อมูล” 2. Goes to normal flow 2   A2: The system shall provide the interface to show the error message “กรุณาเลือกข้อมูล” when user does not select file from computer   1. The system notifies that”กรุณาเลือกข้อมูล” 2. Goes to normal flow 4 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, examination information must have in the system | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-25 | | | |
| Use Case Name | Staffs view the examinees’ identification documents. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can view the examinees’ identification documents. | | | |
| Trigger | Staffs select menu”อัพโหลดเอกสาร” | | | |
| Preconditions | Staffs upload the examinees’ identification documents. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination document will show in display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu”อัพโหลดเอกสาร” | | 2.The system shall provide the staff upload the examinees’ identification documents UI which include examinee information (id no., name, file1, file2, file3, file4, file5, file6, and file7, examination fee and icon “view”).  3.. The system shall provide interface for view upload the examinees’ identification documents which include (เอกสาร and name file).  4. The system shall provide the examinees’ identification documents file. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, examination information must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-26 | | | |
| Use Case Name | Staffs search for the examinees’ by id. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can search for the examinees’ identification documents by examinees’ id. | | | |
| Trigger | Staffs select menu”อัพโหลดเอกสาร” | | | |
| Preconditions | Staffs upload the examinees’ identification documents. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination document will show in display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu”อัพโหลดเอกสาร” | | 2. The system shall provide the search for the examinees’ identification file documents by examinees’ id UI which include examinee information (text field and button “ค้นหา”)  3. The system shall provide the staff upload the examinees’ identification documents UI which include examinee information (id no., name, file1, file2, file3, file4, file5, file6, and file7, examination fee and icon  “view”). | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, the examinees’ identification documents must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-27 | | | |
| Use Case Name | Staffs delete the examinees’ identification documents | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can delete the examinees’ identification documents | | | |
| Trigger | Staffs select menu”อัพโหลดเอกสาร” | | | |
| Preconditions | Staffs upload the examinees’ identification documents. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination document will delete from the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu”อัพโหลดเอกสาร” | | 2. The system shall provide the staff upload the examinees’ identification documents UI which include examinee information (id no., name, file1, file2, file3, file4, file5, file6, and file7, examination fee and icon “view”).  3.The system shall provide interface for view upload the examinees’ identification documents which include (เอกสาร, name and delete button).  4. The system shall delete file from database and show message  “deleted file”. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, the examinees’ identification documents must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-28 | | | |
| Use Case Name | Staffs print out the examination form from examinees with QR code. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can print out the examination form from examinees with QR code. | | | |
| Trigger | Staffs select menu | | | |
| Preconditions | Staffs upload the examinees’ identification documents. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination form with QR code is print. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu | | 2. The system shall provide the print out the examination form which include (ชื่อห้องสอบ, ระบุรหัสห้องสอบ, เวลาเริ่มสอบ and button “print”).  [A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ  A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.  A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ.]  3. The system shall provide interface to show the confirm box “กรุณายืนยันการพิมพ์บัตร” when staff click button “print” for print the examination form with PDF format.  4. The system shall provide the examination form with examination information and QR code from database. | |
| Alternative Flow | A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, the examinees’ identification documents must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-29 | | | |
| Use Case Name | Staffs print out the name list of examinees. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date |  |
| Actors | Staffs | | | |
| Description | Staffs can print out the name list of examinees. | | | |
| Trigger | Staffs select menu | | | |
| Preconditions | Staffs upload the examinees’ identification documents. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The name list of examinees is print. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu | | 2. The system shall provide the print out the examination form which include (ชื่อห้องสอบ, ระบุรหัสห้องสอบ, เวลาเริ่มสอบ and button “print”).  [A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ  A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.  A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ.]  3. The system shall provide the interface to show the confirm box  “กรุณายืนยันการพิมพ์บัตร” when staff click button “print” for print the name list of examinees.  5. The system shall provide the name list of examinees with PDF format. | |
| Alternative Flow | A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, the examinees’ identification documents must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-30 | | | |
| Use Case Name | Staffs create the examination room. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date |  |
| Actors | Staffs | | | |
| Description | Staffs can create the examination room. | | | |
| Trigger | Staffs select menu”จัดการห้องสอบ” | | | |
| Preconditions | Staff must logged in system | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The examination room update in system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Staffs select menu”จัดการห้องสอบ” | | 2. The system shall provide the print out the examination form which include (ชื่อห้องสอบ, ระบุรหัสห้องสอบ, เวลาเริ่มสอบ and button “print”).  [A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ  A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.  A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ.]  3. The system shall provide interface to show the confirm box “กรุณายืนยันจัดห้องสอบ”.  4. The system shall create the examination room and save in database. | |
| Alternative Flow | A1:The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A2: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ระบุรหัสห้องสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A3: The system shall provide the interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in เวลาเริ่มสอบ   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-31 | | | |
| Use Case Name | Staffs search examination room. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 12/04/18 | | Last Revision Date | 13/04/18 |
| Actors | Staffs | | | |
| Description | Staffs can search the examination room. | | | |
| Trigger | Staffs select menu”จัดการห้องสอบ” | | | |
| Preconditions | Staffs create the examination room. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful The room of examinees show in display. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Staffs select menu”จัดการห้องสอบ” | | 2.The system shall provide search UI which include (ชื่อห้องสอบ and button “ค้นหา”).  [A1: The system shall interface to show the error message “กรุณากรอกขอ้ มูลให้ ครบ” when staff does not input information in ชื่อห้องสอบ.  ]  3. The system shall retrieve the examination room from database  4. The system shall provide the examination room list. | |
| Alternative Flow | A1: The system shall interface to show the error message “กรุณากรอกข้อมูลให้ครบ” when staff does not input information in ชื่อห้องสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2 | | | |
| Exception Flow |  | | | |
| Assumption | Staffs must have logged in the system, the examination room must have in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-32 | | | |
| Use Case Name | Inspectors log in to the web application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Inspectors | | | |
| Description | Inspectors can log in to the web application | | | |
| Trigger | Inspectors click login button | | | |
| Preconditions | Inspectors must have username and password in database | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Inspector01 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Password345 |
| Post conditions | the use case is successful .inspectors logged in the system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.user input user name and password | | 2.The system shall validate username and password from database  [A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด่ ”  A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password,  A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.  A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.  A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.  A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user does not the username in text field.  A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user when input blank both username and password  ]  3. The system redirect to inspector UI when inspector login successful. | |
| Alternative Flow | A1: if guest user inputs incorrect username but input incorrect password,  System shall display message. “รหัสผ่านผิดพลาด”   1. The system notifies “รหัสผ่านผิดพลาด” 2. Goes to normal flow 1   A2: The system shall display message “ไม่มี Username นี้ในระบบ”, when guest user inputs both incorrect username and password,   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A3: The system shall display message“ไม่มี Username นี้ในระบบ”, when guest user inputs incorrect password but input incorrect username.   1. The system notifies “ไม่มี Username นี้ในระบบ” 2. Goes to normal flow 1   A4: The system shall display message“กรุณากรอกรหัสผ่าน”, when guest user does not the password text field blank.   1. The system notifies “กรุณากรอกรหัสผ่าน” 2. Goes to normal flow 1   A5: The system shall display message“รหัสผ่านจะต้องไม่เหมือนชื่อ Username”, when guest user when input password same username.   1. The system notifies “รหัสจะต้องไม่เหมือนชื่อ Username” 2. Goes to normal flow 1   A6: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user does not the username in text field.   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1   A7: The system shall display message“กรุณากรอกรหัสผู้ใช้งาน”, when guest user when input blank both username and password   1. The system notifies “กรุณากรอกรหัสผู้ใช้งาน” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption |  | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-33 | | | |
| Use Case Name | Inspectors change the password. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Inspectors | | | |
| Description | Inspectors can change the password. | | | |
| Trigger | Inspectors select menu “ข้อมูลส่วนตัว” | | | |
| Preconditions | Inspectors log in to the web application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .inspectors password will change. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Inspectors select menu “ข้อมูลส่วนตัว” | | 2.The system retrieve inspector’s information from database which includes user password name and “แก้ไข” button  3. The system shall provide inspector’s profile which includes user password and name.  [A1: The system shall provide the interface to show the message “รหัสผ่านจะต้องไม่เหมือนชื่อ Username” when staff inputs password same user mane  A2: The system shall provide the interface to show the message “กรุณากรอก ข้อมูลให้ครบ” when staff does not input password or input wrong format.]  4. The system shall interface to show the confirm box “กรุณายืนยันการแก้ไข !!!”  5. The system save the new password into the database. | |
| Alternative Flow | A1: The system shall provide the interface to show the message “รหัสผ่านจะต้องไม่เหมือนชื่อ Username” when staff inputs password same user mane   1. The system notifies “รหัสผ่านจะต้องไม่เหมือนชื่อ Username “ 2. Goes to normal flow 3   A2: The system shall provide the interface to show the message “กรุณากรอก ข้อมูลให้ครบ” when staff does not input password or input wrong format   1. The system notifies “กรุณากรอกข้อมูลให้ครบ “ 2. Goes to normal flow 3 | | | |
| Exception Flow |  | | | |
| Assumption |  | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-34 | | | |
| Use Case Name | Inspectors search the examinees by ID for input the examination result | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Inspectors | | | |
| Description | Inspectors can search the examinees by the examinee’s ID for input the examination result | | | |
| Trigger | Inspectors select menu “ข้อมูลส่วนตัว” | | | |
| Preconditions | Inspectors log in to the web application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .the examination result will show. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Inspectors select menu “ข้อมูลส่วนตัว” | | 2. The system shall provide the interface for search the examinee’s ID UI to receive examinee’s ID no.  3. The system shall retrieve the examinees’ information from database  The system shall provide the examinees’ information list. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | The examinees information must have in the system. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-35 | | | |
| Use Case Name | Inspectors search the examinees by the examination schedule for input the examination result. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Inspectors | | | |
| Description | Inspectors can search the examinees by the examination schedule for input the examination result. | | | |
| Trigger | Inspectors select menu “ข้อมูลส่วนตัว” | | | |
| Preconditions | Inspectors log in to the web application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .the examination result will show. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Inspectors select menu “ข้อมูลส่วนตัว” | | 2.The system shall provide the interface for search the examination schedule for input the examination result which includes ชื่อวิชา ระดับ เวลาเริ่มสอบ ค้นหา” button and examinees’ list for search the examinees list  [A1: The system provide interface to show the message “กรุณากรอกข้อมูลให้ ครบ” when inspector does not select ชื่อวิชา.  A2: The system provide interface to show the message “กรุณากรอกข้อมูลให้ ครบ” when inspector does not select ระดับ.  A3: The system provide interface to show the message “กรุณากรอกข้อมูลให้ครบ” when inspector does not select เวลาเริ่มสอบ.]  3. The system shall retrieve the examinees’ information list from database which include “point” button for input the examination result.  4. The system shall provide the interface for input the examination result which includes text filed Part1, text filed Part2 and text filed Part3 and ตกลง button  [A4: The system shall provide the interface to show the error message  “กรุณากรอกคะแนน” when inspector does not input part1 or input wrong format  A5: The system shall provide the interface to show the error message “กรุณากรอกคะแนน” when inspector does not input part2 or input wrong format  A6: The system shall provide the interface to show the error message “กรุณากรอกคะแนน” when inspector does not input part3 or input wrong format  ]  5. The system shall provide the interface to show the confirm box “กรุณายืนยันการแก้ไข !!!”  6. The system shall save the examination result to the database.  7.The system redirect to the inspector UI. | |
| Alternative Flow | A1: The system provide interface to show the message “กรุณากรอกข้อมูลให้ครบ” when inspector does not select ชื่อวิชา.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A2: The system provide interface to show the message “กรุณากรอกข้อมูลให้ครบ” when inspector does not select ระดับ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A3: The system provide interface to show the message “กรุณากรอกข้อมูลให้ครบ” when inspector does not select เวลาเริ่มสอบ.   1. The system notifies that “กรุณากรอกข้อมูลให้ครบ” 2. Goes to normal flow 2   A4: The system shall provide the interface to show the error message  “กรุณากรอกคะแนน” when inspector does not input part1 or input wrong format   1. The system notifies that “กรุณากรอกคะแนน” 2. Goes to normal flow 4   A5: The system shall provide the interface to show the error message “กรุณากรอกคะแนน” when inspector does not input part2 or input wrong format   1. The system notifies that “กรุณากรอกคะแนน” 2. Goes to normal flow 4   A6: The system shall provide the interface to show the error message “กรุณากรอกคะแนน” when inspector does not input part3 or input wrong format   1. The system notifies that “กรุณากรอกคะแนน” 2. Goes to normal flow 4 | | | |
| Exception Flow |  | | | |
| Assumption | The examinees information must have in the system. | | | |

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| Use Case ID | UC-36 | | | |
| Use Case Name | Guest user log in to the mobile application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Guest user | | | |
| Description | Guest user can log in to the mobile application | | | |
| Trigger | Guest user click log in button | | | |
| Preconditions | Guest user must have username and password for mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| username | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | User001 |
| password | String | This value is a combination of numeric and character with the minimum length of 4 characters and the maximum length of 16 characters. | | Password123 |
| Post conditions | the use case is successful .the guest user logged in to mobile application system. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.user input username and password | | 2. The system shall validate username and password from database  [A1: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs incorrect username.  A2: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs both incorrect password.  A3: The system shall display message“ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs both incorrect username and password.  A4: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user does not input username.  A5: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user does not input password]  3. The system retrieve examinee and examiner information from database by JSON.  4. The system redirect to examinee or redirect to examiner UI when guest user login successful. | |
| Alternative Flow | A1: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs incorrect username.   1. The system notifies that “ไอดีหรือพาสเวิร์ดผิดพลาด” 2. Goes to normal flow 1   A2: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs both incorrect password.   1. The system notifies that “ไอดีหรือพาสเวิร์ดผิดพลาด” 2. Goes to normal flow 1   A3: The system shall display message“ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user inputs both incorrect username and password.   1. The system notifies that “ไอดีหรือพาสเวิร์ดผิดพลาด” 2. Goes to normal flow 1   A4: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user does not input username.   1. The system notifies that “ไอดีหรือพาสเวิร์ดผิดพลาด” 2. Goes to normal flow 1   A5: The system shall display message “ไอดีหรือพาสเวิร์ดผิดพลาด”, when guest user does not input password   1. The system notifies that “ไอดีหรือพาสเวิร์ดผิดพลาด” 2. Goes to normal flow 1 | | | |
| Exception Flow |  | | | |
| Assumption | Guest user must have username and password | | | |

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| --- | --- | --- | --- | --- |
| Use Case ID | UC-37 | | | |
| Use Case Name | Examinees view the examination result on the mobile application. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can view the examination result on the mobile application. | | | |
| Trigger | Examinees select menu Result | | | |
| Preconditions | Examinees login mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .examinee can see the examination result in mobile application. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Examinees select menu Result | | 2. The system retrieve examinees’ examination result from database by JSON.  3. The system shall provide examinee profile which includes examination result. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-38 | | | |
| Use Case Name | Examinees view the examination schedule on the mobile application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can view the examination schedule on the mobile application | | | |
| Trigger | Examinees select menu Time Table | | | |
| Preconditions | Examinees login mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .examinee can see the examination schedule in mobile application. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Examinees select menu Time table | | 2. The system retrieve examinees’ examination schedule from database by JSON.  3. The system shall provide examination schedule which includes start time. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination schedule in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-39 | | | |
| Use Case Name | Examinees view the registration of the examination on the mobile application | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Examinees | | | |
| Description | Examinees can view the examination schedule on the mobile application | | | |
| Trigger | Examinees select menu Registerd | | | |
| Preconditions | Examinees login mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .examinee can see the examination registration in mobile application. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1. Examinees select menu Registerd | | 2. The system retrieve the registration of the examination from database by JSON.  3. The system shall the registration of the examination which includes examination that register | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | Examinees must have examination registration in the system | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-40 | | | |
| Use Case Name | Examiners can scan QR code on mobile application. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Examiners | | | |
| Description | Examiners can view the examination schedule on the mobile application | | | |
| Trigger | Examiners select menu scan QR Code | | | |
| Preconditions | Examiners login mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .QR code had been scan by mobile application. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1 Examiners select menu scan QR Code | | 2. The system shall provide the scan QR code function on the mobile application.  3. The system shall provide examinees’ information after scan QR code complete. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption |  | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-41 | | | |
| Use Case Name | Examinees and Examiner logout of mobile application. | | | |
| Created By | Charnwut Thopurin | | Last Update By | Charnwut Thopurin |
| Date Created | 13/04/18 | | Last Revision Date | 14/04/18 |
| Actors | Examiners, Examinees | | | |
| Description | Examinees and Examiner can logout of mobile application. | | | |
| Trigger | select menu logout | | | |
| Preconditions | Examiners login mobile application | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
|  |  |  | |  |
| Post conditions | the use case is successful .QR code had been scan by mobile application. If not the system state remains the same. | | | |
| Normal Flows | User | | System | |
|  | 1.Examiners and Examinees select menu logout | | 2. The system redirect to home page UI on the mobile application. | |
| Alternative Flow |  | | | |
| Exception Flow |  | | | |
| Assumption | User must logged out from mobile application. | | | |