6/04/2013

**Sprint 2 - Version 1.1**

**IUNotifier Application**

**Project Note**

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# **Release Note**

## Getting-Course-Information use case

|  |  |
| --- | --- |
| Name | UC-6: Get-course-information |
| Summary | Allow user to get information about all the courses of IU |
| Rationale | The International University has many departments and each of them has a lot of courses correspondingly. There are many people who care about the courses which IU offers such as student’s parents, IU’s guesses and especially IU’s students. Currently, the IU offers 2 ways to get the course information: online and offline. The online way is to use the Edusoft website and the offline way is to use the IU hand book for students. The “Get-course-information” function of the IUNotifer app consist of these 2 ways of getting the course information. That means the user can use the app with internet connection to access the latest course information and when there is no internet connection, the user can still use the app however the information is not the latest one. |
| Users | All users |
| Preconditions | * The user installed the IUNotifier application. |
| Basic course of events | 1. The user indicates that the application is to provide information about a specific course of the IU. 2. The application responses by requesting the user to tap the “Courses” icon in the main menu of the application. 3. The user taps the “Courses” icon and indicates that he/she will see a list of departments of the IU. 4. The application responses by displaying the department list and requests the user to select a department. 5. The user selects a department and indicates to see all the courses of the selected department. 6. The application responses by display the course list of the selected department and request the user to select a course. 7. The user selects a course and indicate that he/she will see the information of the selected course. 8. The application responses by display the information of the selected course |
| Alternative paths | 1. The user may decide to return to previous screen at any time during Steps 2, 3, 4, 5, 6, 7, or 8. 2. In step 4, the user could be able to get the currently studying course list by tapping the “My Courses” button. The application then request the user to login using his/her account and then display the list of studying courses. |
| Postconditions | The user could be able to get the information of a specific course. |

## Creating-course-announcement use case

|  |  |
| --- | --- |
| Name | UC-7: Create-course-announcement |
| Summary | Allow the department staff or professor to create a quick announcement about a specific course to students. |
| Rationale | Occasionally, there is a sudden change in the schedule or location of a course. In that case, the department staff or professor, who is responsible to announce this change to students, often stick an announcement paper on the notice board of the department. However this method of announcement is very inefficiency because the student cannot know about the change immediately and this may make them feel uncomfortable. By using the “Create a course announcement” function of the IUNotifer application, the department staff or professor can make an announcement which will be immediately received by the students. |
| Users | * Department staff * Professor |
| Preconditions | * The device must have internet connection. * The user installed the IUNotifier application. |
| Basic course of events | 1. The user indicates that the application is to provide a create-course-announcement function. 2. The application requests the user to choose a specific course to make an announcement by navigating to the course information screen as guided in the “Get-course-information” use case. 3. The user navigates to the course information screen. 4. The application requests the user to login using his/her account. 5. The user logged in by using his/her account. 6. The application responses by displaying the “Create Announcement” icon and request the user to tap the icon. 7. The user taps the “Create Announcement” icon. 8. The application responses by requesting the user to provide the content of the announcement and tap the “Announce” button. 9. The user provides the content of the announcement and taps the “Announce” button. 10. The application responses by displaying the successfully message. |
| Alternative paths | 1. In step 2, the user can login in at any screen during the navigation to the course information screen and then he/she can skip steps 4, 5 and 6. 2. The user may decide to return to previous screen at any time during Steps 4, 5, 6, 7, or 8. |
| Postconditions | The user created an announcement about a specific course. |

# **Development Note**

## Version Control

## Sample Java source with refactoring

# **Test Note**

## Test Case

### Test case for Login use case

|  |  |
| --- | --- |
| **Name** | **TC-01: check the login process for users** |
| Requirement | FR-01: Login |
| Preconditions | The username *itiu09008* and password *12345* must be available in the database. |
| Steps | 1. Tap on the “Login” icon. 2. Tap on the “Username” field. 3. Enter *itiu09008.* 4. Tap on the “Password” field. 5. Enter *12345.* 6. Tap the “Sign in” button. |
| Expected Results | 1. The login form dismisses. 2. The progress bar displays. 3. The progress bar dismisses. 4. The “Login successfully” message displays. 5. The “Login successfully” message dismisses. 6. The color of the login icon changes to blue. |

### Test case for Logout use case

|  |  |
| --- | --- |
| **Name** | **TC-02: check the logout process for users** |
| Requirement | FR-02: Logout |
| Preconditions | The user has logged in. |
| Steps | * 1. Tap on the “Logout” icon.   2. Tap on the “Yes” button. |
| Expected Results | * 1. The logout-verification windows dismisses.   2. The “Logout successfully” message displays.   3. The “Logout successfully” message dismisses.   4. The color of the login icon changes to white. |

### Test cases for Reading-news use case

#### Test get-news-from-source functional requirement

|  |  |
| --- | --- |
| **Name** | **TC-03: Verify that the user can get a list of news from a specific source of the IU news sources** |
| Requirement | FR-03: Get-news-from-source |
| Preconditions |  |
| Steps | Tap on the “News” icon in the main menu. |
| Expected Results | 1. The current page dismisses. 2. A new page displays. 3. The news-source bar displays. 4. The news-source default value is *HCMIU*. 5. The progress bar displays. 6. The progress bar dismisses. 7. The news list displays. |

#### Test read-news-content functional requirement

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| --- | --- |
| **Name** | **TC-04: Verify that the user can read the content of a specific news** |
| Requirement | FR-04: Read-news-content |
| Preconditions | The news list from a specific source is displayed. |
| Steps | Tap on the “Hanh Trinh IU Singapore” news. |
| Expected Results | 1. The content of the “Hanh Trinh IU Singapore” news displays. |

### Test cases for Getting-events-information use case

#### Test get-upcoming-event-list functional requirement

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| --- | --- |
| **Name** | **TC-05: Verify that the user can get a list of upcoming events** |
| Requirement | FR-05: Get-upcoming-event-list |
| Preconditions |  |
| Steps | Tap on the “Event” icon in the main menu. |
| Expected Results | 1. The current page dismisses. 2. A new page displays. 3. The “sort-by” bar displays. 4. The sort-condition default value is *Upcoming.* 5. The progress bar displays. 6. The progress bar dismisses. 7. The upcoming event list displays. |

#### Test get-all-event-list functional requirement

|  |  |
| --- | --- |
| **Name** | **TC-06: Verify that the user can get a list of all events** |
| Requirement | FR-06: Get-all-event-list |
| Preconditions | The upcoming event list is displayed. |
| Steps | 1. Tap on the drop-down menu on the sort-by bar. 2. Tap on the “*All*” value. |
| Expected Results | 1. The current event list dismisses. 2. The progress bar displays. 3. The progress bar dismisses. 4. A list of all events displays. |

#### Test get-today-event-list functional requirement

|  |  |
| --- | --- |
| **Name** | **TC-07: Verify that the user can get a list of today events** |
| Requirement | FR-07: Get-today-event-list |
| Preconditions | The upcoming event list is displayed. |
| Steps | 1. Tap on the drop-down menu on the sort-by bar. 2. Tap on the “*Today*” value. |
| Expected Results | 1. The current event list dismisses. 2. The progress bar displays. 3. The progress bar dismisses. 4. A list of today events displays. |

#### Test view-event-detail functional requirement

|  |  |
| --- | --- |
| **Name** | **TC-08: Verify that the user can get the event detail after selected an event in the event list** |
| Requirement | FR-08: View-event-detail |
| Preconditions | The list of upcoming events is displayed. |
| Steps | Tap on the “BA Design Contest” event. |
| Expected Results | 1. The event details windows displays. 2. The “Description” field content is “Give your ideas to design the uniform and BA logo”. 3. The “Date” field content is “Wednesday, 17-04-2013”. 4. The “Time” field content is “08:00”. 5. The “Location” field does not have anything. |

### Test cases for Receiving-notification use case

#### Test receive-news-notification functional requirement

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| --- | --- |
| **Name** | **TC-09: Verify that the user can receive a notification of a new news** |
| Requirement | FR-09: |
| Preconditions |  |
| Steps |  |
| Expected Results |  |

#### Test receive-event-notification functional requirement

### Test cases for Getting-course-information use case

### Test cases for Creating-course-announcement use case

## JUnit Test Java Source