**Ontrack**

**Testing Scenarios**

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Tutor System

* View student list
* View student unit detail
* Adding student
* Extension process
* Give student feedback
* View the tasks submitted by students
* Mark the task status of students

Account for Tutor:

Login: tutor\_1 PW:password

Account for Student:

Login: student\_0 PW :password

Login: student \_1 PW :password

Management Account :

Login: acain PW :password

Before testing tutor site scenario:

Using Management account to enroll students into units.

Using each Student account to post one task document.

Using each Student account to request a tasks extension.

The details of student site scenario will be provided by another group’s delivery.

**Test Scenarios and Test Cassese related for tutor system**

Test Case Description: View student list

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| User case name | View student list | |
| Test scenarios | Tutor can view all students who have enroll in their unit. | |
| Use case triggering event | Tutor login Ontrack system. | |
| Scenario description | Tutor login Ontrack system, selection unit and click ‘task Inbox’, then select ‘student list’. System would display all student’s information who have enroll. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Select a task submitted from students | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Option box that’s ‘task inbox’ select ‘student list’. 4. System would display all student’s information who have enroll. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page. And click ‘Task Inbox’, then select ‘Student List’. | 3.1 Switch to homepage.  3.2 Display basic information about all student courses on the current web page. |
| Exception conditions | 2. If tutor user enters error username or password, then  a. web would prompt ‘Login failed: Invalid email or password.’ | |
| 3.2 If the web does not display student list, this means no student enrolls into the tutor unit course, then  a. The tutor can add students by themselves or  b. Wait for the student to choose a tutor. | |

Test case: View student list

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | Tutor can view all students who have enroll in their unit | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. click option box “Task Inbox”, and select “Student List” | student\_0 = enroll,  student\_1 = enroll,  student\_2 = enroll | Web site would display all student who enrolled into the unit | As Expected Result | Pass |
| TU2 | Tutor can view all students who have enroll in their unit | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. click option box “Task Inbox”, and select “Student List” | No student enroll | Student list is empty, unable to view student information and visit student task homepage | As Expected Result | Pass |

**Test Case Description: View student unit detail**

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| --- | --- | --- |
| User case name | View student unit detail | |
| Test scenarios | Allow tutor view student unit detail. | |
| Use case triggering event | Tutor login Ontrack system. And select ‘Student List’ option. | |
| Scenario description | Tutor login Ontrack system, selection unit and click ‘Task Inbox’, then select ‘Student List’. System would display all student’s information who have enroll. Next, the tutor can choose the students in the list, and click on a student in the list to access and view the student’s course details. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Select a task submitted from students. | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘Task Inbox’. 3. Option box that’s ‘Task Inbox’ select ‘Student List’. 4. System would display all student’s information who have enroll. 5. Click on a student in the list 6. Access student system, and view student unit task details | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page. And click ‘Task Inbox’, then select ‘Student List’. | 3.1 Switch to homepage.  3.2 Display basic information about all student courses on the current web page. |
| 3a. The tutor selects the students in the list | 3a.1 Switch to student task homepage |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |
| 3.2 If the web does not display student list, this means no student enrolls into the tutor unit course, then  a. The tutor can add students by themselves or  b. Wait for the student to choose a tutor. | |
| 3a. If the web does not display student list, tutor is not able to select student user and access student unit task homepage, then   1. the tutor needs to check the ‘Student List’ is available or not, then   a1. If the web does not display student list, then  a1.1 The tutor can add students by themselves or  a1.2 Wait for the student to choose a tutor. | |

**Test case: View student unit detail**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | Allow tutor view student unit detail. | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Click option box “Task Inbox”, and select “Student List”  4. Select a student in student list | Select student\_0 | Switch to student task homepage | As Expected Result | Pass |
| TU2 | Allow tutor view student unit detail. | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Click option box “Task Inbox”, and select “Student List”  4. Select a student in student list | No student enroll | Student list is empty, unable to view student information and visit student task homepage | As Expected Result | Pass |

**Test Case Description: Adding student**

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| --- | --- | --- |
| User case name | Adding student | |
| Test scenarios | The tutor enrolls the student to the relevant course unit | |
| Use case triggering event | Tutor login Ontrack system. And select ‘Student List’ option. | |
| Scenario description | Tutor login Ontrack system, selection unit and click ‘Task Inbox’, then select ‘Student List’. System would display all student’s information who have enroll. The tutor clicks the ‘Enroll Student’ button in the lower right corner of the list, then enter ‘Student Name’ and ‘Tutorial Code’ to enroll new student. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Select a task submitted from students | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Option box that’s ‘task inbox’ select ‘student list’. 4. System would display all student’s information who have enroll. 5. Click ‘Enroll Student’ button 6. Enter ‘Student Name’ and ‘Tutorial Code’ to enroll new student. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page. And click ‘task Inbox’, then select ‘student list’. | 3.1 Switch to homepage.  3.2 Display basic information about all student courses on the current web page. |
| 4. Tutor click ‘Enroll Student’ button | 4.1 A pop-up window appears.  4.2 System prompt to enter ‘Student ID’ and ‘Tutorial Code’ |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |
| 3.2 If the web does not display student list, this means no student enrolls into the tutor unit course, then  a. The tutor can add students by themselves or  b. Wait for the student to choose a tutor. | |
| 4.2 If enter student id or tutorial code is error, web would provide error message, then  a. The tutor user re-enter student id and tutorial code.  4.2 If the tutor enters student ID already existed in this unit, web would prompt this student already enrolled, then  b. The tutor user re-enter student id and tutorial code. | |

**Test case: Adding student**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | The tutor enrolls the student to the relevant course unit | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Click option box “Task Inbox”, and select “Student List”  4. Click ‘Enrol student’  5. Enter student ID and tutorial code.  6. Click Save | Student ID = student\_1,  Tutorial Code = LA1-01 | Enrollment success | Student already enrolled | **pass** |
| TU2 | The tutor enrolls the student to the relevant course unit | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Click option box “Task Inbox”, and select “Student List”  4. Click ‘Enrol student’  5. Enter student ID and tutorial code.  6. Click Save1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Click option box “Task Inbox”, and select “Student List”  4. Click ‘Enrol student’  5. Enter student ID and tutorial code.  6. Click Save | Student ID = student\_4,  Tutorial Code = LA1-01 | Student already enrolled | As Expected Result | Pass |

**Test Case Description: Extension process**

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| User case name | Extension process | |
| Test scenarios | The tutor receives and processes the student’s extension request. | |
| Use case triggering event | Tutor login Ontrack system. | |
| Scenario description | Tutor login Ontrack system, and then selection unit. The tutor can view all task submitted by student and task extension request. The tutor can choose to ‘Grant’ or ’Deny’ based on the reasons for the student’s application for extension. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Mark tasks, Give feedback, View task | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Tutor can view all tasks from student submitted and requests. 4. When tutor click extension request, it would display details on the table ‘Comments on this task’. 5. The tutor chooses ‘Grant’ or ‘Deny’ based on the reasons for the student’s extension. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page | 3.1 the homepage would display three areas. The area on the right would display all task from student submitted. The area on the middle would display task content. The area on the right would display chat history, feedback or extension request. |
| 4. Tutor click a task | 4.1 the area on the right would display extension request. |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |

**Test case: Extension process**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | The tutor receives and processes the student’s extension request. | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account.  3. Select unit.  4. Select a task submitted by student.  5. Click “Grant” or “Deny”. | Application for extension = “Assignment 14” | When tutor user clicks “Grant”, the task would get extension | As Expected Result | Pass |
| TU2 | The tutor receives and processes the student’s extension request. | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click “Grant” or “Deny”. | Application for extension = “Assignment 17” | When tutor user clicks “Deny”, the task would not get extension | As Expected Result | Pass |

**Test Case Description: Give student feedback**

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| --- | --- | --- |
| User case name | Give student feedback | |
| Test scenarios | The tutor gives student feedback on this web | |
| Use case triggering event | Tutor login Ontrack system. And then choose student task. | |
| Scenario description | Tutor login Ontrack system, and then selection unit. The tutor can view all task submitted by student and give student feedback or suggestion. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Mark task, Extension process, View task | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Tutor can view all tasks from student submitted. 4. Tutor select a task, and then he/she can write feedback on the table on the right. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page | 3.1 The homepage would display three areas. The area on the right would display all task from student submitted. The area on the middle would display task content. The area on the right would display chat history, feedback or extension request. |
| 4. Tutor click a task | 4.1 The area on the right would display chat history. Also, allow tutor write task feedback. |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |

**Test case: Give student feedback**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | The tutor gives student feedback on this web | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. On the area ‘Comments on this task’, to write feedback to student | Comments on this task = abcdefg | Student get feedback content “abcdefg” | As Expected Result | Pass |
| TU2 | The tutor gives student feedback on this web | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. On the area ‘Comments on this task’, to write feedback to student | Comments on this task = 11 | Student get feedback content “11” | As Expected Result | Pass |

**Test Case Description: View the tasks submitted by students**

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| --- | --- | --- |
| User case name | Download the tasks submitted by students | |
| Test scenarios | The tutor downloads a task submitted by a student | |
| Use case triggering event | Tutor login Ontrack system. And then choose student task. | |
| Scenario description | Tutor login Ontrack system, and then selection unit. The tutor can view all task submitted by student. And then, choose a task to | |
| Primary actor | Tutor user | |
| Related use access | Includes: Mark task, Give Feedback, Extension process | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Tutor can view all tasks from student submitted. 4. Tutor select a task, and then on the middle area tutor can view task content submitted by student. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page | 3.1 The homepage would display three areas. The area on the right would display all task from student submitted. The area on the middle would display task content. The area on the right would display chat history, feedback or extension request. |
| 4. Tutor click a task | 4.1 On the middle area, web display task content submitted by student. |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |

**Test case: View the tasks submitted by students**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | The tutor downloads a task submitted by a student | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. On the middle area, tutor view or download task file. | Select task = Assignment 14 | View task content on web middle area | Always display that it is processing | **Fail** |
| TU2 | The tutor gives student feedback on this web | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. On the middle area, tutor view or download task file. | Select task = Assignment 17 | View task content on web middle area | Always display that it is processing | **Fail** |

**Test Case Description: Mark the task status of students**

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| --- | --- | --- |
| User case name | Mark the task status of students | |
| Test scenarios | Tutor mark student tasks | |
| Use case triggering event | Tutor login Ontrack system. And then choose student task. | |
| Scenario description | Tutor login Ontrack system, and then selection unit. The tutor can view all task submitted by student. And then, choose a task, and then the area on the middle would display student task content. At the bottom of the middle area, the tutor can mark the student’s tasks. | |
| Primary actor | Tutor user | |
| Related use access | Includes: Extension process, Give feedback, View task | |
| Precondition | Tutor login Ontrack system, and selection related unit. | |
| Post condition | 1. Tutor user must be login an account 2. Option box must be created in Ontrack system, the default option is ‘task inbox’. 3. Tutor can view all tasks from student submitted. 4. Tutor select a task, and then give appropriate marks based on the completion of student tasks. | |
| Flow of activities | Actor | Web application |
| 1. Tutor user go to Ontrack web system. |  |
| 2. Tutor user login Ontrack and select course unit. | 2.1 Validate username and password.  2.2 Display selectable course units. |
| 3. Tutor user go to home page | 3.1 The homepage would display three areas. The area on the right would display all task from student submitted. The area on the middle would display task content. The area on the right would display chat history, feedback or extension request. |
| 4. Tutor click a task and mark task. | 4.1 On the middle area, tutor can view student tasks, and give students the appropriate marks, like complete, demonstrate, discuss, resubmit and so on. |
| Exception conditions | 2. If tutor user enters error username or password, web would provide error message, then  a. tutor user re-enter username and password | |

**Test case: Give student feedback**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test scenario | Test steps | Test Data | Expected Results | Actual Results | Pass/Fail |
| TU1 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Complete”, the task statu would update to complete | As Expected Result | Pass |
| TU2 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Demonstrate”, the task status would update to demonstrate | As Expected Result | Pass |
| TU3 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Discuss”, the task status would update to discuss | As Expected Result | Pass |
| TU4 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Resubmit”, the task status would update to resubmit | As Expected Result | Pass |
| TU5 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Redo”, the task status would update to complete | As Expected Result | Pass |
| TU6 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Feedback Exceeded”, the task status would update to Feedback Exceeded | As Expected Result | Pass |
| TU7 | Tutor mark student tasks | 1. Go to site <http://localhost:4200/#/sign_in>  2. Login tutor user account  3. Select unit  4. Select a task submitted by student.  5. Click complete, demonstrate, discuss, resubmit or etc. | Mark task = Assignment 14 | When tutor user clicks “Fail”, the task status would update to fail | As Expected Result | Pass |