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| Use case name: Adding course | Unique ID: NTCH-TCHR 001 |
| Area: Notetech application | |
| Actor(s): Professor | |
| Level: Blue | |
| Description: Allow professor to add new course. | |
| Triggering Event: Professor register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Professor logs in | username, password |
| Professor clicks on “Add Course” button |  |
| Professor enters the course name | CourseName |
| ~~Professor copies the course’s id , and keep it in a safe place until he give it for his students~~ |  |
| Professor click “Add” button to safe the new course | courseName, courseID |
| Preconditions: Professor has already created account | |
| Postconditions: professor has successfully added new courses and can manage them | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: professor has added courses | |
| Minimum Guarantee: professor was able to add courses | |

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| Use case name: Uploading course material | Unique ID: NTCH-TCHR 002 |
| Area: Notetech application | |
| Actor(s): Professor | |
| Level: Blue | |
| Description: Allow professor to upload course material | |
| Triggering Event: Professor register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Professor logs in | username, password |
| Professor chooses course then enters it |  |
| Professor click “Upload material” button |  |
| A form will open and Professor should chooses files and videos to upload |  |
| Professor click “Upload” button | courseID |
| Preconditions: Professor has already created account | |
| Postconditions: professor has successfully uploaded course’s material | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: professor has uploaded course’s material | |
| Minimum Guarantee: professor was able to uploaded material | |

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| Use case name: Sending assignment and setting degrees | Unique ID: NTCH-TCHR 003 |
| Area: Notetech application | |
| Actor(s): Professor | |
| Level: Blue | |
| Description: Allow professor to sending assignment and setting degrees | |
| Triggering Event: Professor register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Professor logs in | username, password |
| Professor chooses course then enters it |  |
| Professor click “Send assignment” button |  |
| A form will open and Professor should chooses files to send |  |
| Professor click “Send” button | courseID, assignmentID |
| After receiving assignment’s solution, Professor set degree for each student |  |
| Professor chooses course then enters it |  |
| Professor chooses assignment then enters it |  |
| Professor click “Set degrees” button |  |
| Professor set the degree for each student |  |
| Professor click “Done” button | studentID, assignmentID |
| Preconditions: Professor has already created account | |
| Postconditions: professor has successfully sent assignments and set degrees | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: professor has sent assignments and set degrees | |
| Minimum Guarantee: professor was able to send assignments | |

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| Use case name: Sending notifications | Unique ID: NTCH-TCHR 004 |
| Area: Notetech application | |
| Actor(s): Professor | |
| Level: Blue | |
| Description: Allow professor to send notifications | |
| Triggering Event: Professor register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Professor logs in | username, password |
| Professor chooses course then enters it |  |
| Professor click “Send notification” button |  |
| A form will open and Professor should write his notification |  |
| Professor click “Send” button | notificationId |
| Preconditions: Professor has already created account | |
| Postconditions: professor has successfully sent notifications | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: professor has sent notifications | |
| Minimum Guarantee: professor was able to send notifications | |

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| Use case name: Answering questions | Unique ID: NTCH-TCHR 005 |
| Area: Notetech application | |
| Actor(s): Professor | |
| Level: Blue | |
| Description: Allow professor to answer questions | |
| Triggering Event: Professor register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Professor logs in | username, password |
| Professor chooses course then enters it |  |
| Professor open questions window |  |
| Professor should chooses question and answers it |  |
| Professor click “Answer” button | questionId |
| Preconditions: Professor has already created account | |
| Postconditions: professor has successfully answered question | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: professor has answered question | |
| Minimum Guarantee: professor was able to answer question | |

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| Use case name: Join course | Unique ID: NTCH-STDNT 001 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to join course | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student clicks on “Join Course” button |  |
| Student enter course id |  |
| Student clicks on “Join” button | courseID |
| Preconditions: Student has already created account | |
| Postconditions: Student has successfully join courses | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has join courses | |
| Minimum Guarantee: Student was able to join courses | |

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| Use case name: Downloading course’s material | Unique ID: NTCH-STDNT 002 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to download course’s material | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student clicks on “Course’s material” button |  |
| Student chooses files want to read |  |
| Student chooses files want to download |  |
| Student clicks on “Download” button | material\_ID |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully downloaded course’s material | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has downloaded course’s material | |
| Minimum Guarantee: Student was able to download course’s material | |

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| Use case name: Downloading assignment | Unique ID: NTCH-STDNT 003 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to download assignment | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student clicks on “Assignment” button |  |
| Student chooses assignment want to read |  |
| Student chooses assignment want to download |  |
| Student clicks on “Download” button | assignmentID |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully downloaded assignment | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has downloaded assignment | |
| Minimum Guarantee: Student was able to download assignment | |

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| Use case name: Sending assignment’s solution | Unique ID: NTCH-STDNT 004 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to send assignment’s solution | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student clicks on “Assignment” button |  |
| Student chooses assignment |  |
| If assignment’s deadline hasn’t passed “send solution” button should be active Otherwise “send solution” button should be disabled |  |
| Student clicks on “send solution” button |  |
| A form will open and student should chooses files to send |  |
| Student clicks on “Send” button | assignmentID, solutionID |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully sent assignment’s solution | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has sent assignment’s solution | |
| Minimum Guarantee: Student was able to send assignment’s solution | |

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| Use case name: Absence | Unique ID: NTCH-STDNT 005 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to add his absence | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student clicks on “Absence” button |  |
| Student clicks on “Read QR” button |  |
| A “QR” window should open, Student should read the “QR” that Professor give him | studentID, lectureID |
| Student clicks on “View absence” button to view his absence |  |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully viewed his absence | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has viewed his absence | |
| Minimum Guarantee: Student was able to view his absence | |

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| Use case name: Viewing grades | Unique ID: NTCH-STDNT 005 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to view his grades | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student clicks on “View grades” button | assignmentID, assignmentGrade, examID, examGrade, quizID, quizGrade, totalGrades |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully viewed his grades | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has viewed his grades | |
| Minimum Guarantee: Student was able to view his grades | |

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| Use case name: Asking and answering questions | Unique ID: NTCH-STDNT 006 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to ask and answer questions | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student chooses course then enters it |  |
| Student open questions window |  |
| A window should open and student could writes his question, Or answers another |  |
| Student writes his question |  |
| Student clicks on “Ask” button | questionID |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully asked or answered question | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has asked or answered question | |
| Minimum Guarantee: Student was able to ask or answer question | |

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| Use case name: Viewing notification | Unique ID: NTCH-STDNT 007 |
| Area: Notetech application | |
| Actor(s): Student | |
| Level: Blue | |
| Description: Allow Student to view notification | |
| Triggering Event: Student register in the application, enters username and password then click  login button | |
| Trigger Type: External | |
| Steps Performed | Information for Steps |
| Student logs in | username, password |
| Student clicks on “Notification” button |  |
| A window should open and student could view his notifications |  |
| Preconditions: Student has already created account and joined course | |
| Postconditions: Student has successfully viewed his notifications | |
| Assumptions: Notetech application and a valid username and password | |
| Success Guarantee: Student has viewed his notifications | |
| Minimum Guarantee: Student was able to view his notifications | |