

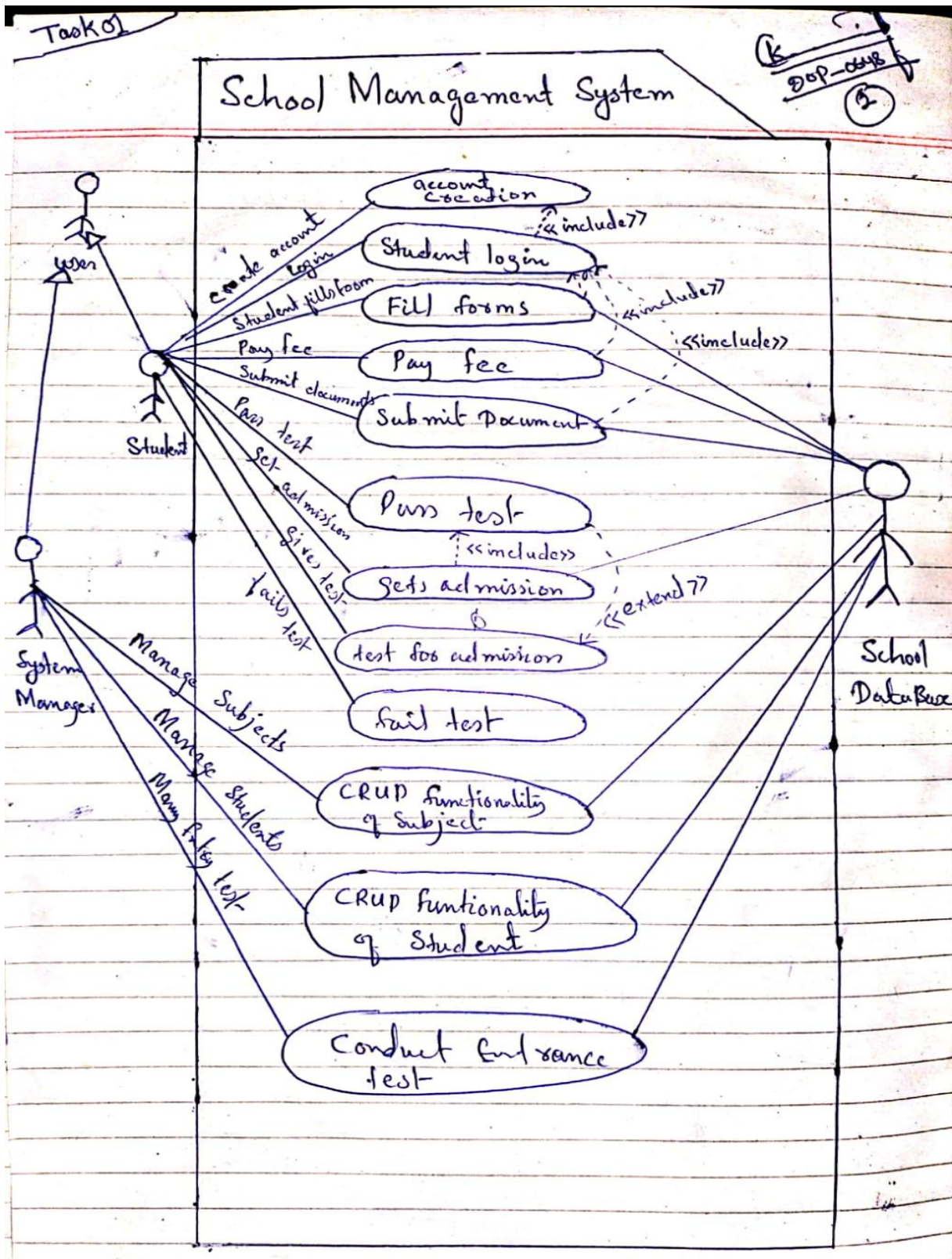
Name: **Kashif Ali**

Roll No: **20P-0648**

Section: **5D**

## **Assignment 01 Part-A**

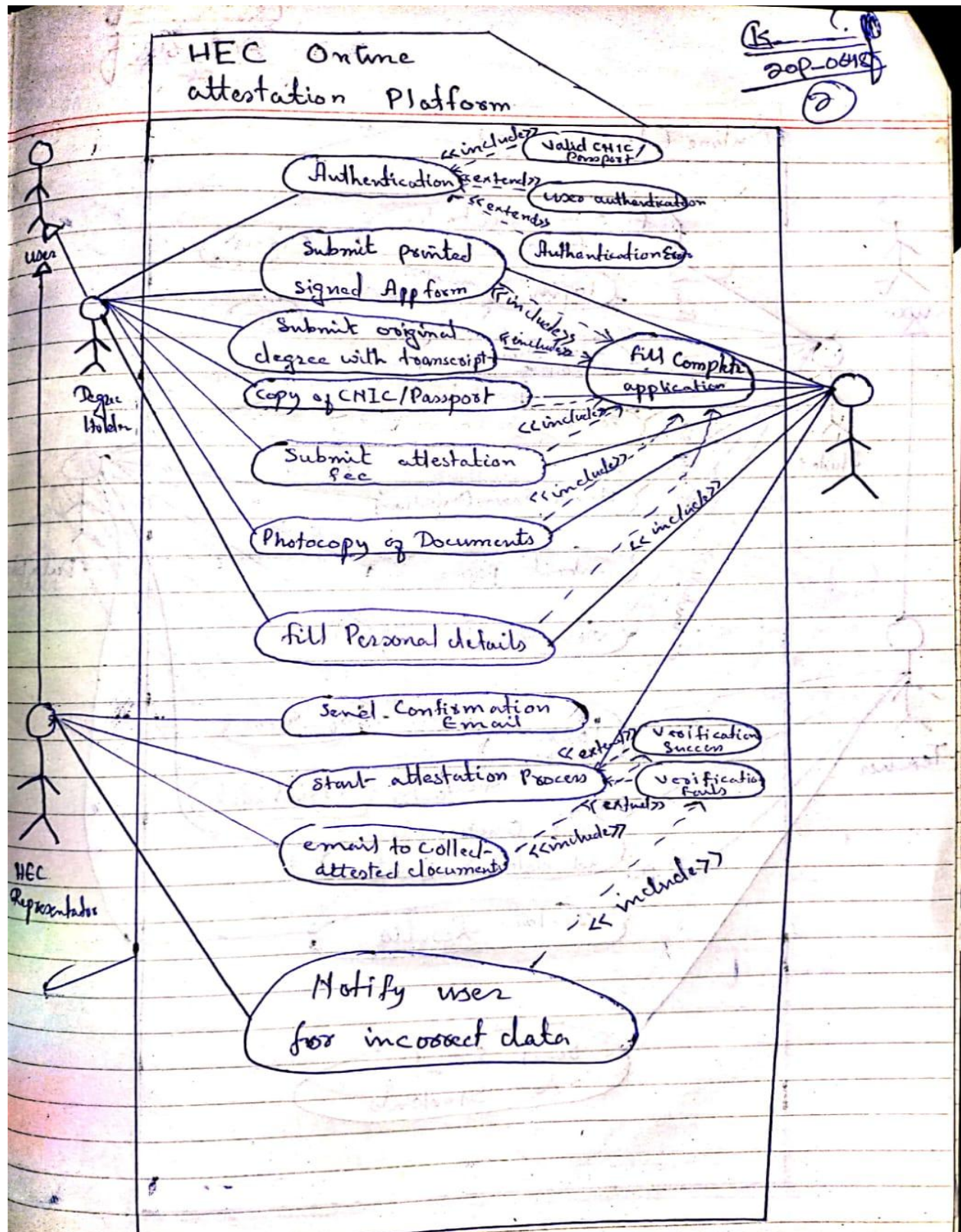
# TASK 01



ID:	UC 1
Use case name:	Student Login
Author name:	Kashif Ali
Last revised:	07-10-22
Description:	Student login into School management system
Primary Actor:	Student
Supporting Actor:	Database system
Pre-condition:	Student Log ins to the system
Post-condition:	Students submits his/her exam and views his/her result
Main success Scenario:	<ol style="list-style-type: none"> <li>1. A Student Logs into the system.</li> <li>2. He fills the registration form</li> <li>3. He pays the fee</li> <li>4. He submits the required documents</li> <li>5. He gives the test</li> <li>6. He gets admission if he passes the test</li> </ol>
Extensions:	<ol style="list-style-type: none"> <li>1. Student restarts the System, logs in, and requests recovery of prior state. System reconstructs the prior state.</li> <li>2. Student enters wrong credentials <ol style="list-style-type: none"> <li>2a) Student is asked to enter correct email if the email is wrong</li> <li>2b) Student is asked to enter correct password if the password is wrong</li> </ol> </li> <li>3. Student fails the test <ol style="list-style-type: none"> <li>3a) Student is asked to retake the test after 1 month</li> </ol> </li> <li>4. Students doesn't pay the admission fee on time <ol style="list-style-type: none"> <li>4a) Student is asked to pay the admission fee so that his admission can be processed</li> </ol> </li> </ol>



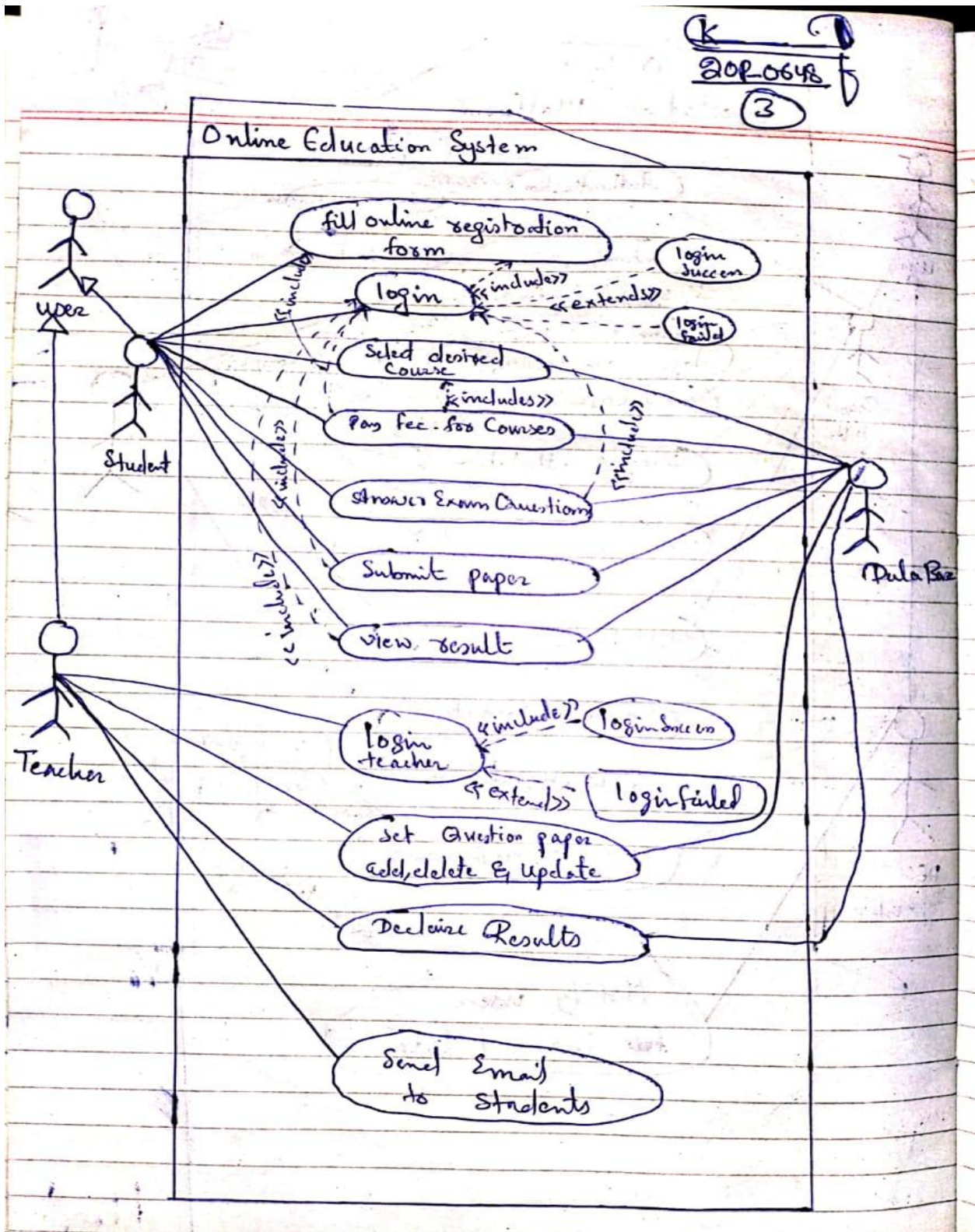
# TASK 02



ID:	UC 2
Use case name:	Degree Holder Verification
Author name:	Kashif Ali
Last revised:	07-10-22
Description:	Degree Holder enters his credential and documents into the system, after verification his documents are attested
Primary Actor:	Degree Holder
Supporting Actor:	HEC Representative
Pre-condition:	Degree Holder is logged into system
Post-condition:	Degree Holder gets his documents verified
Main success Scenario:	<ol style="list-style-type: none"> <li>1. Degree holder authenticates himself via NIC/Passport verification</li> <li>2. He submits his printed application form</li> <li>3. Submits his original degree with transcript</li> <li>4. Submits the attestation fee</li> <li>5. Submits the photocopy of all documents</li> <li>6. Fills his personal details</li> </ol>
Extensions:	<ol style="list-style-type: none"> <li>1. Anytime the system crashes the user restarts they system and the system restores itself to its previous state</li> <li>2. If the NIC/Passport is not valid user is prompted to enter a valid NIC/Passport number</li> <li>3. User submits incomplete/incorrect documents/document details <ol style="list-style-type: none"> <li>3a) User is asked to enter correct and complete set of documents required for verification</li> </ol> </li> <li>4. User doesn't submit fee <ol style="list-style-type: none"> <li>4a) User is asked to submit attestation fee to move forward with the verification process</li> </ol> </li> </ol>

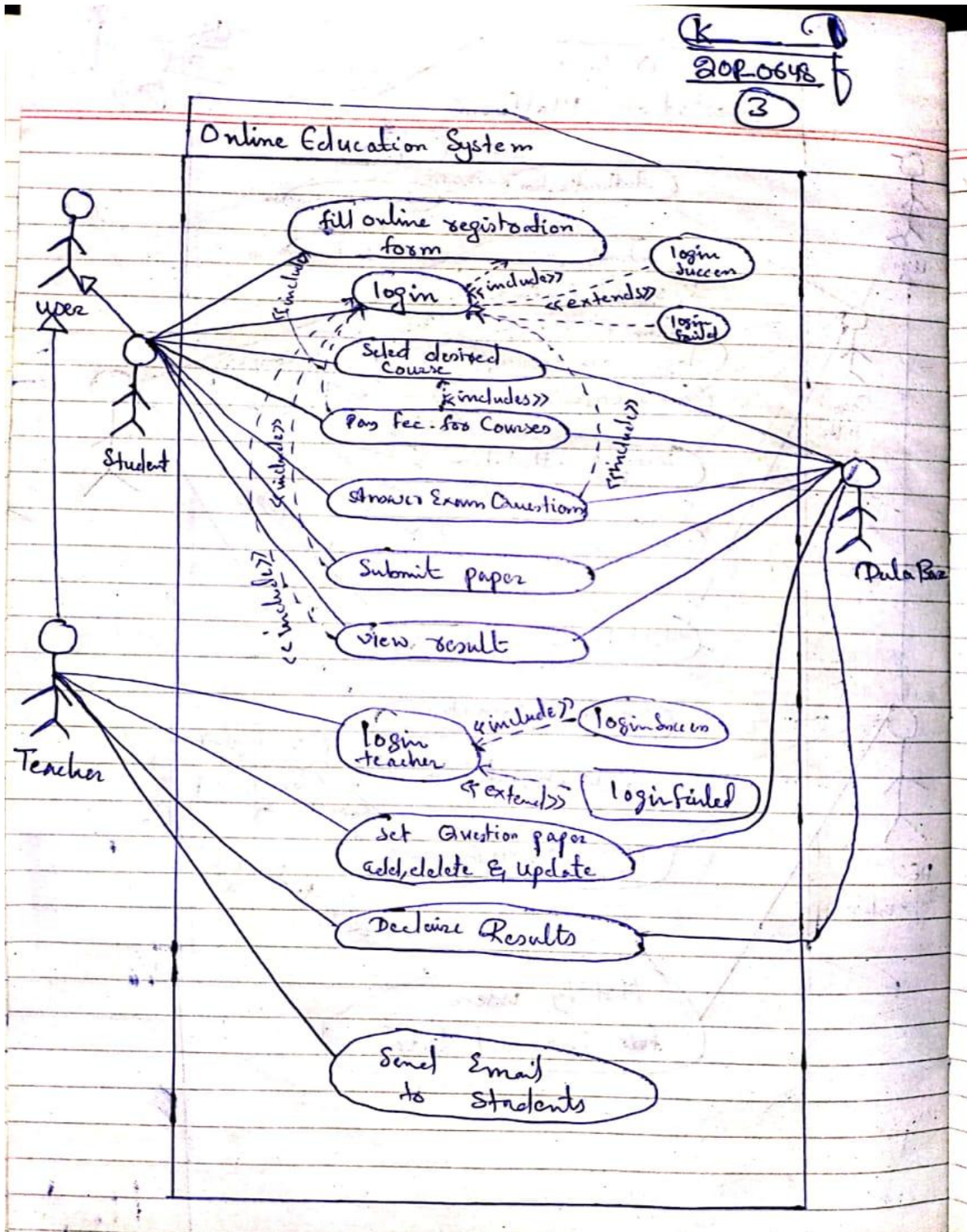


# TASK 03



ID:	UC 3
Use case name:	Given online Exam
Author name:	Kashif Ali
Last revised:	07-10-22
Description:	Student logs into the system, gives his exam and views his result
Primary Actor:	Student
Supporting Actor:	Teacher, Database
Pre-condition:	Student is logged into system
Post-condition:	Student views his result after giving the exam
Main success Scenario:	<ol style="list-style-type: none"> <li>1. Student logs in to the system</li> <li>2. Student selects his desired subjects</li> <li>3. Student pays the fee for his subject</li> <li>4. Student attempts his exam and answers his questions</li> <li>5. Student views his results</li> </ol>
Extensions:	<ol style="list-style-type: none"> <li>1. At any time, System crashes: Student restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state.</li> <li>2. Student enters wrong log in credentials <ol style="list-style-type: none"> <li>2a) He is asked to enter correct password if the password is wrong, he is also given an option to recover his password via email, if he has forgotten his password</li> <li>2b) He is asked to enter correct log in email if the email is wrong</li> </ol> </li> <li>3. Student hasn't paid his fees on time <ol style="list-style-type: none"> <li>3a) Student is asked to pay his fee in order to appear in the exam</li> </ol> </li> </ol>

# TASK 04





ID:	UC 4
Use case name:	Log in and use close friends application
Author name:	Kashif Ali
Last revised:	07-10-22
Description:	User logs into the app and uses it to interact with his existing friends and make new friends
Primary Actor:	User
Supporting Actor:	Database system
Pre-condition:	User has logged into system
Post-condition:	User has logged out of the app after using the app
Main success Scenario:	<ol style="list-style-type: none"> <li>1. User logs into the app</li> <li>2. User makes new friends on the app</li> <li>3. User views his new feed</li> <li>4. User check his current friend's activity</li> <li>5. User logs out of the app after using it for some time</li> </ol>
Extensions:	<ol style="list-style-type: none"> <li>1. At any time, System crashes: Student restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state.</li> <li>2. User enters wrong log in credentials <ol style="list-style-type: none"> <li>2a) User is asked to enter correct email if he enters the wrong log in email</li> <li>2b) User is asked to enter the correct password if he enters the wrong password and also given the option to retrieve his password using his email</li> </ol> </li> </ol>