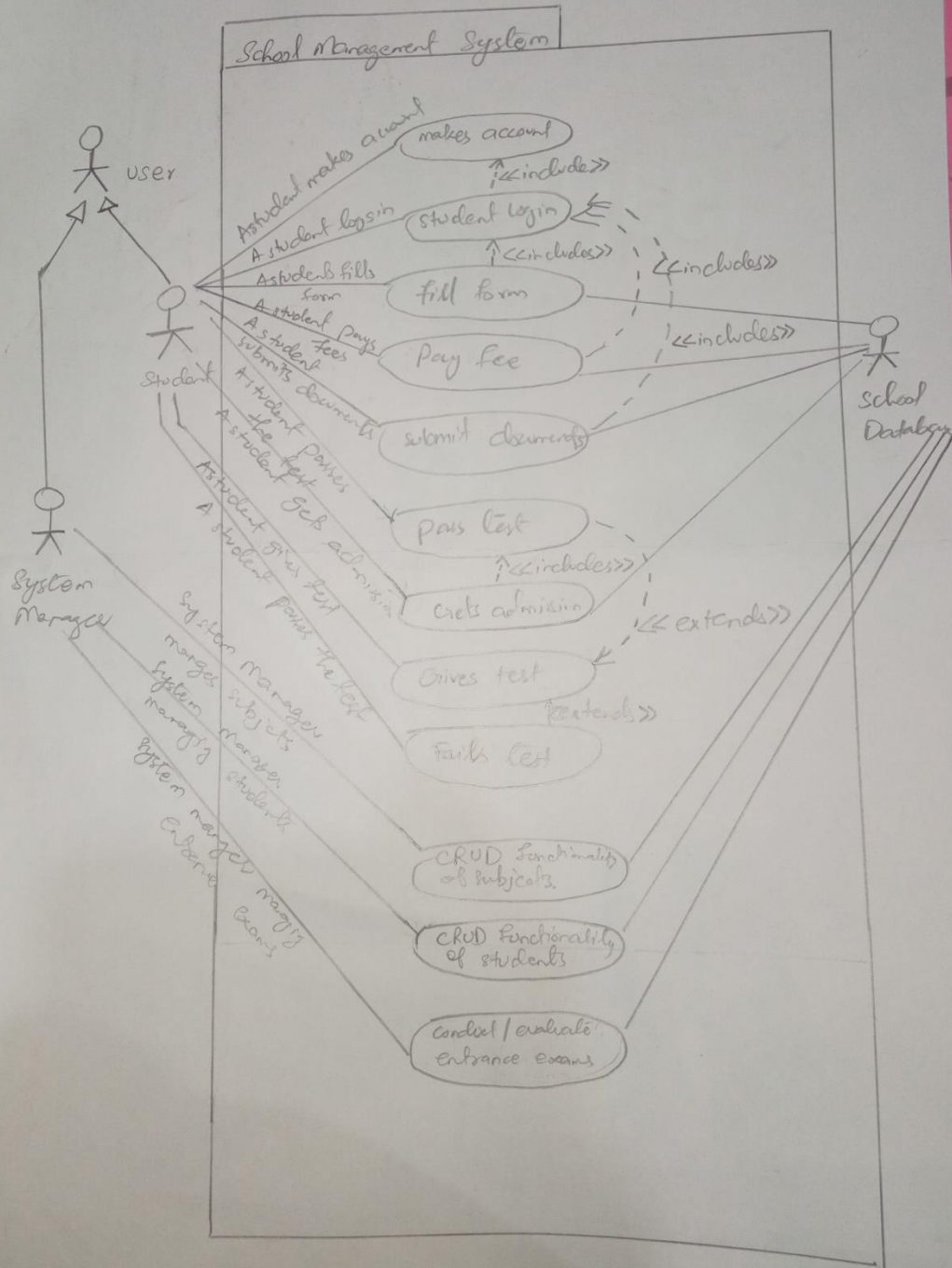


Task 01:

TASK 01:



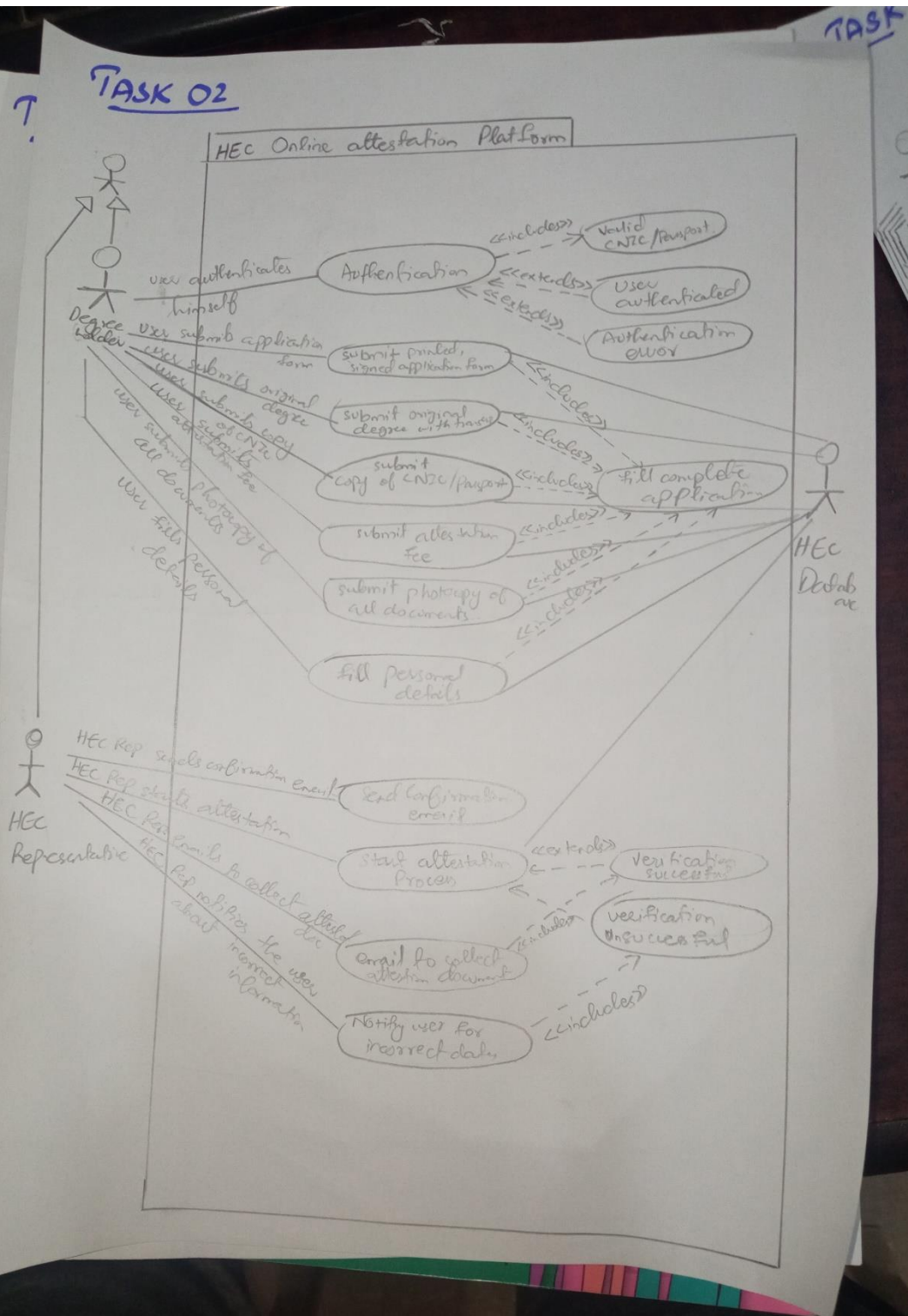
ID:	UC 01
Use case name:	Student Login
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	Student logs into the School Management system.
Primary Actor:	Student
Supporting Actor	Database system
Preconditions:	Student Log ins to the system
Postconditions:	Students submits his exam and views his result
Main Success Scenario:	<ol style="list-style-type: none"> 1. A Student Logs in to the system. 2. He fills the registration form 3. He pays the fee 4. He submits the required documents 5. He gives the test 6. He gets admission if he passes the test.
Extensions:	<ol style="list-style-type: none"> 1. If the system crashes, Student restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state. 2. Student enters wrong credentials <ol style="list-style-type: none"> 2a) Student is asked to enter correct email if the email is wrong 2b) Student is asked to enter correct password if the password is wrong 3. Student fails the test <ol style="list-style-type: none"> 3a) Student is asked to retake the test after 1 month

	<p>4. Students doesn't pay the admission fee on time</p>
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4a) Student is asked to pay the admission fee so that his admission can be processed.

ID:	UC 02
Use case name:	System Manager managing different aspects of the system
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	System Manager access the portal to add subjects (whole CRUD functionality), add students (whole CRUD functionality of students) and evaluate/conduct exams
Primary Actor:	System Manager
Supporting Actor	Database system, Student
Preconditions:	System Manager access the system
Postconditions:	System Manager has added new subjects/modified existing subjects, he has added new students/modified existing students and conducted exams, evaluated exams.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Teacher accesses the system. 2. He adds new subjects, delete/update existing subjects 3. He adds news students, modifies attributes of existing students, deletes the record of students who have passed out. 4. He conducts exams (if any exams are due). 5. He evaluates exams (if any exams are up for devaluation).
Extensions:	<ol style="list-style-type: none"> 1. If the system crashes, System Manager restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state.

Task 02

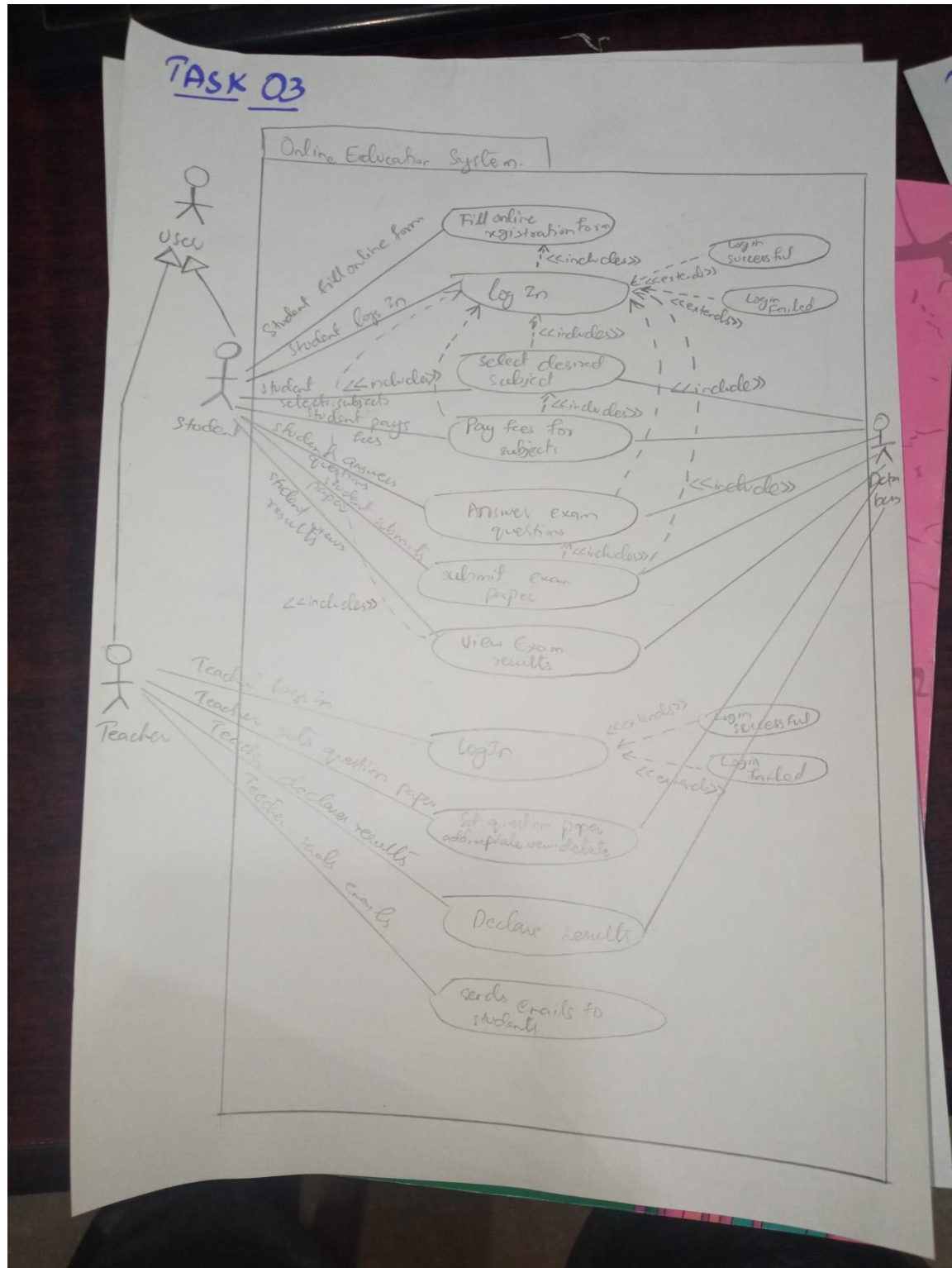


ID:	UC 01
Use case name:	Degree holder verification
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	Degree Holder enters his credential and documents into the system, after verification his documents are attested.
Primary Actor:	Degree Holder
Supporting Actor	HEC Representative
Preconditions:	Degree Holder is logged into system
Postconditions:	Degree Holder gets his documents verified
Main Success Scenario:	<ol style="list-style-type: none"> 1. Degree holder authenticates himself via NIC/Passport verification 2. He submits his printed application form 3. Submits his original degree with transcript 4. Submits the attestation fee 5. Submits the photocopy of all documents 6. Fills his personal details
Extensions:	<ol style="list-style-type: none"> 1. Anytime the system crashes the user restarts they system and the system restores itself to its previous state 2. If the NIC/Passport is not valid user is prompted to enter a valid NIC/Passport number 3. User submits incomplete/incorrect documents/document details <ol style="list-style-type: none"> 3a) User is asked to enter correct and complete set of documents required for verification 4. User doesn't submit fee

	4a) User is asked to submit attestation fee to move forward with the verification process.
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ID:	UC 02
Use case name:	HEC Representative attesting documents
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	HEC Representative attesting the documents submitted by degree holder and doing their verification.
Primary Actor:	HEC Representative
Supporting Actor	Degree Holder, HEC Database
Preconditions:	Degree Holder has submitted his documents
Postconditions:	HEC Representative has attested the submitted documents and sent the confirmation email.
Main Success Scenario:	<ol style="list-style-type: none"> 1. HEC Representative sends confirmation email of documents receipt. 2. He starts the attestation process. 3. He emails the degree holder to collect the attested documents.
Extensions:	<ol style="list-style-type: none"> 1. Anytime the system crashes the user restarts the system and the system restores itself to its previous state 2. If the documents submitted are incorrect, the degree holder is asked to submit the documents. <p>2a) HEC representative sends email of unsuccessful verification process and further instructions</p>

Task 03



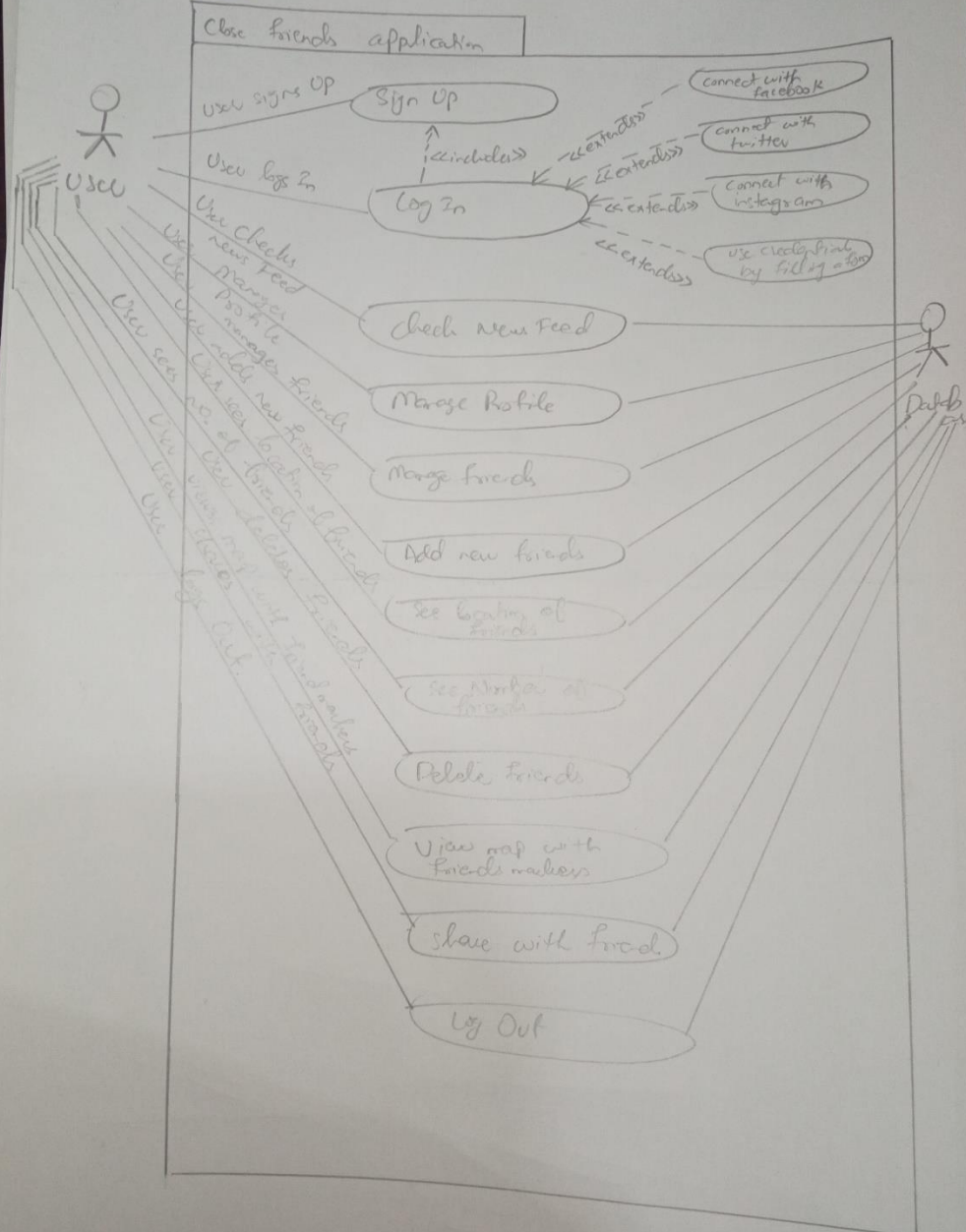
ID:	UC-01
Use case name:	Give online exam
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	Student logs into the system, gives his exam and views his result
Primary Actor:	Student
Supporting Actor	Teacher, database
Preconditions:	Student is logged into system
Postconditions:	Student views his result after giving the exam
Main Success Scenario:	<ol style="list-style-type: none"> 1. Student logs in to the system 2. Student selects his desired subjects 3. Student pays the fee for his subject 4. Student attempts his exam and answers his questions 5. Student views his results
Extensions:	<ol style="list-style-type: none"> 1. At any time, System crashes: Student restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state. 2. Student enters wrong log in credentials <ol style="list-style-type: none"> 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 2b) He is asked to enter correct log in email if the email is wrong 3. Student hasn't paid his fees on time

	3a) Student is asked to pay his fee in order to appear in the exam
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ID:	UC-02
Use case name:	Check online exam
Author	Bilal Ahmed Khan
Last revision	5/10/2022
Description:	Teacher logs in to the system, set question paper, declare results and send results email to students.
Primary Actor:	Teacher
Supporting Actor	Student, database
Preconditions:	Teacher is logged in to the system.
Postconditions:	Teacher has set the question paper, announced results and sent result emails to students.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Teacher logs in to the system. 2. Teacher sets the question paper. 3. Teacher announces the results. 4. Teacher send confirmation emails to the students.
Extensions:	<ol style="list-style-type: none"> 1. At any time, System crashes: Teacher restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state. 2. Teacher enters wrong log in credentials <ol style="list-style-type: none"> 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 2b) He is asked to enter correct log in email if the email is wrong

Task 04

TASK 04



ID:	UC 01
Use case name:	Log in and use close friends application
Author	Bilal Ahmed Khan
Last revision	5/10/2022
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
Preconditions:	User has logged into system
Postconditions:	User has logged out of the app after using the app
Main Success Scenario:	<ol style="list-style-type: none"> 1. User logs into the app 2. User makes new friends on the app 3. User views his new feed 4. User check his current friend's activity 5. User logs out of the app after using it for some time
Extensions:	<ol style="list-style-type: none"> 1. At any time, System crashes: Student restarts the System, logs in, and requests recovery of prior state. System reconstructs prior state. 2. User enters wrong log in credentials <ol style="list-style-type: none"> 2a) User is asked to enter correct email if he enters the wrong log in email 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.