

Databases I, Winter 2021
User Stories “PostGrad System”

1 As an unregistered user I should be able to:

- a) Register to the website by using my name (First and last name), password, faculty, email, and address.

Signature:

Name: StudentRegister

Input: first_name varchar(20), last_name varchar(20), password varchar(20), faculty varchar(20), Gucian bit, email varchar(50), address varchar(50)

Output: Nothing

Signature:

Name: SupervisorRegister

Input: first_name varchar(20), last_name varchar(20), password varchar(20), faculty varchar(20), email varchar(50)

Output: Nothing

2 As any registered User I should be able to:

- a) login using my username and password.

Signature:

Name: userLogin

Input: ID int, password varchar(20)

Output: Success bit

- b) add my mobile number(s).

Signature:

Name: addMobile

Input: @ID int, @mobile_number varchar(20)

Output: Nothing

3 As an admin I should be able to:

- a) List all supervisors in the system.

Signature:

Name: AdminListSup

Input: Nothing

Output: table

- b) view the profile of any supervisor that contains all his/her information.

Signature:

Name: AdminViewSupervisorProfile

Input: supId int

Output: table

- c) List all Theses in the system.

Signature:

Name: AdminViewAllTheses

Input: Nothing

Output: table

- d) List the number of on going theses.

Signature:

Name: AdminViewOnGoingTheses

Input: Nothing

Output: thesesCount int

- e) List all supervisors' names currently supervising students, theses title, student name.

Signature:

Name: AdminViewStudentThesisBySupervisor

Input: Nothing

Output: table

- f) List nonGucians names, course code, and respective grade.

Signature:

Name: AdminListNonGucianCourse

Input: courseID int

Output: table

- g) Update the number of thesis extension by 1.

Signature:

Name: AdminUpdateExtension

Input: ThesisSerialNo int

Output: Nothing

- h) Issue a thesis payment.

Signature:

Name: AdminIssueThesisPayment

Input: ThesisSerialNo int, amount decimal, noOfInstallments int, fundPercentage decimal

Output: Success bit

- i) view the profile of any student that contains all his/her information.

Signature:

Name: AdminViewStudentProfile

Input: sid int

Output: table

- j) Issue installments as per the number of installments for a certain payment every six months starting from the entered date.

Signature:

Name: AdminIssueInstallPayment

Input: paymentID int, InstallStartDate date

Output: Nothing

- k) List the title(s) of accepted publication(s) per thesis.

Signature:

Name: AdminListAcceptPublication

Input: Nothing

Output: table

- l) Add courses and link courses to students.

Signature:

Name: AddCourse

Input: courseCode varchar(10), creditHrs int, fees decimal

Output: Nothing

Signature:

Name: linkCourseStudent

Input: courseID int, studentID int

Output: Nothing

Signature:

Name: addStudentCourseGrade

Input: courseID int, studentID int, grade decimal

Output: Nothing

- m) View examiners and supervisor(s) names attending a thesis defense taking place on a certain date.

Signature:

Name: ViewExamSupDefense

Input: defenseDate datetime

Output: table

4 As a supervisor I am able to :

- a) Evaluate a student's progress report, and give evaluation value 0 to 3.

Signature:

Name: EvaluateProgressReport

Input: supervisorID int, thesisSerialNo int, progressReportNo int, evaluation int

Output: Nothing

- b) View all my students's names and years spent in the thesis.

Signature:

Name: ViewSupStudentsYears

Input: supervisorID int

Output: table

- c) View my profile and update my personal information.

Signature:

Name: SupViewProfile

Input: supervisorID int

Output: table

Signature:

Name: UpdateSupProfile

Input: supervisorID int, name varchar(20), faculty varchar(20)

Output: Nothing

- d) View all publications of a student.

Signature:

Name: ViewASStudentPublications

Input: StudentID int

Output: Table

- e) Add defense for a thesis, for nonGucian students all courses' grades should be greater than 50 percent.

Signature:

Name: AddDefenseGucian

Input: ThesisSerialNo int , DefenseDate Datetime , DefenseLocation varchar(15)

Output: Nothing

Signature:

Name: AddDefenseNonGucian

Input: ThesisSerialNo int , DefenseDate Datetime , DefenseLocation varchar(15)

Output: Nothing

- f) Add examiner(s) for a defense.

Signature:

Name: AddExaminer

Input: ThesisSerialNo int , DefenseDate Datetime , ExaminerName varchar(20), National bit, fieldOfWork varchar(20)

Output: Nothing

- g) Cancel a Thesis if the evaluation of the last progress report is zero.

Signature:

Name: CancelThesis

Input: ThesisSerialNo int

Output: Nothing

- h) Add a grade for a thesis.

Signature:

Name: AddGrade

Input: ThesisSerialNo int

Output: Nothing

5 As an examiner I should be able to:

- a) Add grade for a defense.

Signature:

Name: AddDefenseGrade

Input: ThesisSerialNo int , DefenseDate Datetime , grade decimal

Output: Nothing

- b) Add comments for a defense.

Signature:

Name: AddCommentsGrade

Input: ThesisSerialNo int , DefenseDate Datetime , comments varchar(300)

Output: Nothing

6 As a registered student I should be able to:

- a) View my profile that contains all my information.

Signature:

Name: viewMyProfile

Input: studentId int

Output: table

- b) Edit my profile (change any of my personal information).

Signature:

Name: editMyProfile

Input: studentID int, firstName varchar(10), lastName varchar(10), password varchar(10), email varchar(10), address varchar(10), type varchar(10)

Output: Nothing

- c) As a Gucian graduate, add my undergraduate ID.

Signature:

Name: addUndergradID

Input: studentID int, undergradID varchar(10)

Output: Nothing

- d) As a nonGucian student, view my courses' grades

Signature:

Name: ViewCoursesGrades

Input: studentID int

Output: table

- e) View all my payments and installments.

Signature:

Name: ViewCoursePaymentsInstall

Input: studentID int

Output: table

Signature:

Name: ViewThesisPaymentsInstall

Input: studentID int

Output: table

Signature:

Name: ViewUpcomingInstallments

Input: studentID int

Output: table

Signature:

Name: ViewMissedInstallments

Input: studentID int

Output: table

- f) Add and fill my progress report(s).

Signature:

Name: AddProgressReport

Input: thesisSerialNo int, progressReportDate date

Output: nothing

Signature:

Name: FillProgressReport

Input: thesisSerialNo int, progressReportNo int, state int, description varchar(200)

Output: nothing

- g) View my progress report(s) evaluations.

Signature:

Name: ViewEvalProgressReport

Input: thesisSerialNo int, progressReportNo int

Output: table

- h) Add publication.

Signature:

Name: addPublication

Input: title varchar(50), pubDate datetime, host varchar(50), place varchar(50), accepted bit

Output: nothing

- i) Link publication to my thesis.

Signature:

Name: linkPubThesis

Input: PubID int, thesisSerialNo int

Output: nothing