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Informatics and Computer Science
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User Stories
"GIU bachelor Portal "

1 As an unregistered User I should be able to:

a) Register to the website with a unique email, along with the needed information. Choose which type of user you will be using @usertype (Students, Companies, Lecturers, Teaching assistants, External examiners, Coordinators, and External supervisors)
Signature:
Name: UserRegister
Input: @usertype varchar(20), @userName varchar(20), @email varchar(50), @first_name varchar(20), @last_name varchar(20), @birth_date datetime, @GPA decimal(3,2), @semester int, @address varchar(100), @faculty_code varchar(10), @major_code varchar(10), @company_name varchar(20), @representative_name varchar(20), @representative_email varchar(50), @phone_number varchar(20), @country_of_residence varchar(20).
Output: user_id int, password varchar(10)

2 As any registered User I should be able to:

a) Login using my email and password. In case the user is not registered the @user_id value will be (-1).
Signature:
Name: UserLogin
Input: @email varchar(50), @password varchar(10)
Output: @success bit , @user_id int

b) View all the details of my profile.
Signature:
Name: ViewProfile
Input: @user_id int
Output: Table containing the user details

c) View bachelor projects details of each major posted on the system according to their @ProjectType and @User_id (if there is no value given for @ProjectType then show details of all bachelor projects that is assigned to @User_id, if @User_id is also empty then show details of all bachelor projects on the system).
Signature:
Name: ViewBachelorProjects
Input: @ProjectType varchar(20), @User_id int
Output: Table containing bachelor projects details.

3 As a registered Student I should be able to:

a) Make preferences for local bachelor projects that belongs to my major.
Signature:
Name: MakePreferencesLocalProject
Input: @sid int, @bachelor_code varchar(10), @preference_number int
Output: Nothing.

b) View their thesis. (You should check if the grades to calculate the total grade is ready or not, if it is ready, do the calculations as stated in MS1 schema and save the value in the total grade column in thesis and show it to the student)
Signature:
Name: ViewMyThesis
Input: @sid int, @title varchar(50)
Output: Table containing all the details of the thesis.

c) Submit their thesis.
Signature:
Name: SubmitMyThesis
Input: @sid int, @title varchar(50), @PDF_Document varchar(1000)
Output: Nothing.

d) View their progress reports given the @sid and the @date of the progress report creation. (If @date does not have value then show all progress report of that student, where the recently created reports should be shown first).
Signature:
Name: ViewMyProgressReports
Input: @sid int, @date datetime
Output: Table containing all details of the progress report(s).

e) View their defense. (You should check if the grades to calculate the total grade is ready or not, if it is ready, do the calculations as stated in MS1 schema and save the value in the total grade column in defense and show it to the student.)
Signature:
Name: ViewMyDefense
Input: @sid int
Output: Table containing all the details of the defense.

f) Update their defense content.
Signature:
Name: UpdateMyDefense
Input: @sid int, @defense_content varcahr(1000)
Output: Nothing.

g) View their bachelor project grade. (You should check if the grades to calculate the TotalBachelorGrade is ready or not, if it is ready, do the calculations as stated in MS1 schema and save the value in the TotalBachelorGrade column in student and show it to the student.)
Signature:
Name: ViewMyBachelorProjectGrade
Input: @sid int
Output: @BachelorGrade decimal(4,2) (if the grade is not ready yet return null)

h) View meetings that are not booked and created by his/her supervisor, ordered by their date.
Signature:
Name: ViewNotBookedMeetings
Input: @sid int
Output: Table containing all details of the meetings.

i) Book a meeting with their lecturer.
Signature:

Name: BookMeeting
Input: @sid int, @meeting_id int
Output: Nothing.

j) View their booked meetings given @sid and filter them by @meeting_id to see details of one specific meeting. (If @meeting_id is empty then show all meetings that are booked by this student.)
Signature:
Name: ViewMeeting
Input: @meeting_id int, @sid int
Output: Table containing all details of the meetings and table containing todolist of each meeting.

k) Add to the to-do list in meetings.
Signature:
Name: StudentAddToDo
Input: @meeting_id int, @to_do_list varchar(200)
Output: Nothing.

4 As a registered Company I should be able to:

a) Add employees to the system and generate passwords for them.
Signature:
Name: AddEmployee
Input: @ComapnyID int, @email varchar(50), @name varchar(20), @phone_number varchar(20), @field varchar(25)
Output: @StaffID int, @ComapnyID int, @password varchar(10)

b) Create projects on the system.
Signature:
Name: CompanyCreateLocalProject
Input: @company_id int, @proj_code varchar(10), @title varchar(50), @description varchar(200), @major_code varchar(10)
Output: Nothing.

c) Assign Employees to supervise local industrial projects that belongs to them.
Signature:
Name: AssignEmployee
Input: @bachelor_code varchar(10), @staff_id int, @Company_id int
Output: @staff_id and all details of the bachelor project that the employee is assigned to.

d) Grade thesis of a specific student.
Signature:
Name: CompanyGradeThesis
Input: @Company_id int, @sid int, @thesis_title varchar(50), @Company_grade Decimal(4,2)
Output: Nothing.

e) Grade defense of a specific student.
Signature:
Name: CompanyGradedefense
Input: @Company_id int, @sid int, @defense_location varchar(5), @Company_grade Decimal(4,2)
Output: Nothing.

f) Grade Progress Report for a specific student. (The company is able to grade students with industrial bachelor project only)
Signature:
Name: CompanyGradePR
Input: @Company_id int, @sid int, @date datetime, @Company_grade decimal(4,2)
Output: Nothing.

5 As a registered Lecturer I should be able to:

a) Create local bachelor projects.
Signature:
Name: LecturerCreateLocalProject
Input: @Lecturer_id int, @proj_code varchar(10), @title varchar(50), @description varchar(200), @major_code varchar(10)
Output: Nothing.

b) Specify the deadline of all thesis for all students (This procedure should create thesis for all students with the specified deadline).
Signature:
Name: SpecifyThesisDeadline
Input: @deadline datetime
Output: Nothing.

c) Create meetings for the students.
Signature:
Name: CreateMeeting
Input: @Lecturer_id int, @start_time time, @end_time time, @date datetime, @meeting_point varchar(5)
Output: Nothing.

d) Add to the to-do list in meetings.
Signature:
Name: LecturerAddToDo
Input: @meeting_id int, @to_do_list varchar(200)
Output: Nothing.

e) View their meetings given the @meeting_id and if the @meeting_id is empty then view all meetings that belong to the lecturer order by their date.
Signature:
Name: ViewMeetingLecturer
Input: @Lecturer_id int, @meeting_id int
Output: Table containing all the meetings details.

f) View external examiners that are not recommended to any academic local projects yet.
Signature:
Name: ViewEE
Input: Nothing
Output: Table containing details of external examiners.

g) Recommend external examiners to academic local projects.
Signature:
Name: RecommendEE
Input: @Lecturer_id int, @proj_code varchar(10), @EE_id int
Output: Nothing.

h) Supervise industrial local projects.
Signature:
Name: SuperviseIndustrial
Input: @Lecturer_id int, @proj_code varchar(10)
Output: Nothing

i) Grade thesis of a specific student.
Signature:
Name: LecGradeThesis
Input: @Lecturer_id int, @sid int, @thesis_title varchar(50), @Lecturer_grade Decimal(4,2)
Output: Nothing.

j) Grade defense of a specific student.
Signature:
Name: LecGradedefense
Input: @Lecturer_id int, @sid int, @defense_location varchar(5), @Lecturer_grade Decimal(4,2)
Output: Nothing.

k) Create progress report for a specific student.
Signature:
Name: LecCreatePR
Input: @Lecturer_id int, @sid int, @date datetime, @content varchar(1000)
Output: Nothing.

l) Grade progress report for a specific student. (The lecturer is able to grade the students with academic bachelor projects only)
Signature:
Name: LecGradePR
Input: @Lecturer_id int, @sid int, @date datetime, @lecturer_grade decimal(4,2)
Output: Nothing.

6 As a registered Teaching Assistant I am able to:

a) Create progress report for a specific student.
Signature:
Name: TACreatePR
Input: @TA_id int, @sid int, @date datetime, @content varchar(1000)
Output: Nothing.

b) Add to the to-do list in meetings.
Signature:
Name: TAAddToDo
Input: @meeting_id int, @to_do_list varchar(200)
Output: Nothing.

7 As a registered External Examiner I should be able to:

a) Grade thesis of a specific student.
Signature:
Name: EEGradeThesis
Input: @EE_id int, @sid int, @thesis_title varchar(50), @EE_grade Decimal(4,2)
Output: Nothing.

b) Grade defense of a specific student.
Signature:
Name: EEGradedefense
Input: @EE_id int, @sid int, @defense_location varchar(5), @EE_grade Decimal(4,2)
Output: Nothing.

8 As a registered Coordinator I should be able to:

a) See details of all users and filter them by @User_type and @User_id.
Signature:
Name: ViewUsers

Input: @User_type varchar(20), @User_id int
Output: table containing details of the users.

b) Automatically assign all students to their projects according to their preferences and GPAs.
Signature:
Name: AssignAllStudentsToLocalProject
Input: Nothing
Output: Table containing every student ID and the details of the local bachelor project he/she is assigned to.

c) Assign TAs to local bachelor projects
Signature:
Name: AssignTAs
Input: @coordinator_id int, @TA_id int, @proj_code varchar(10)
Output: Nothing.

d) View all recommendations for external examiners that are recommended by each Lecturer and be able to filter them with @lecture_id.
Signature:
Name: ViewRecommendation
Input: @lecture_id int
Output: table containing all recommendations.

e) Assign external examiners to local bachelor projects according to the recommendations.
Signature:
Name: AssignEE
Input: @coordinator_id int, @EE_id int, @proj_code varchar(10)
Output: Nothing.

f) Schedule defenses (create them for each student and put their date, time and location).
Signature:
Name: ScheduleDefense
Input: @sid int, @date datetime, @time time, @location varchar(5)
Output: Nothing.

9 As a registered Employee I am able to :

a) Grade thesis of a specific student.
Signature:
Name: EmployeeGradeThesis
Input: @Employee_id int, @sid int, @thesis_title varchar(50), @Employee_grade Decimal(4,2)
Output: Nothing.

b) Grade defense of a specific student.
Signature:
Name: EmployeeGradedefense
Input: @Employee_id int, @sid int, @defense_location varchar(5), @Employee_grade Decimal(4,2)
Output: Nothing.

c) Create Progress Report for a specific student.
Signature:
Name: EmployeeCreatePR
Input: @Employee_id int, @sid int, @date datetime, @content varchar(1000)
Output: Nothing.