Spring 2020
Software Engineering
PhD
M-W-F – 12:00AM – Fulton 250

Maíra Marques Samary

Office Hours:

Schedule a time:
https://tinyurl.com/rt3ozds
Monday and Friday from 10:00AM – 11:30AM
Tuesday 3:00 PM – 4:00 PM
Preference will be given to students that scheduled their office hours previously.
St Mary - CS Department – Of. 281.

TA's Office Hours – all at Fulton 160 – Times TBD
Kathleen Garrity garrityk@bc.edu
Zhiyuan Huang huangtx@bc.edu

PROJECT

General requirements:

1. The software must allow the system administrator to create accounts for instructor, TA's and students. The system should request name, surname, email, eagle id and it must randomly generate the user's password.
2. All users must be authenticated to access the software, using their email and password.
3. You cannot create more than one account in the system with the same email and eagle id.
4. The system must consider at least 3 types of users: administrator, instructor and student.
5. Each course must have a name, code, section number, year and semester of realization.
6. Each course must be associated to at least one instructor.
7. Each combination of code, section number, year and semester of course must be unique in the system.
8. A course can have more than one instructor.
9. Within a course, each student must belong to a team.
10. The system must be capable of reading a file that have the information related to the course and its teams: student name, last name, email, eagle id, and team.

11. The system must show the list of teams and students and should allow the instructor to change student's teams
12. Each team can be of 2 or more students and must have a name.
13. The system must keep a history of the team that a student belongs along the course (a student can change teams)
14. Each course can have zero or more peer assessments.
15. The instructor creates the peer assessment putting a name to it, the date it starts and the date it ends.
16. When the starting date arrives, each student must receive an email with the link to the system to the peer assessment that they must answer.
17. After each peer assessment ends, the system will generate a summary of the results for each team and for each student.
18. If the instructor wants, he/she should be able to see the results aggregated (team or student) and if it clicks, it should show the detail of the aggregated data.
19. The administrator and the instructor can download a spreadsheet with the detailed results.
20. After the deadline of the peer assessment the instructor can see who answered the peer assessment and who didn't answer. If a student didn't answer the instructor can send a personal reminder of the peer assessment.
21. If a student doesn't answer the peer assessment his peer assessment grade (average) will be automatically a zero, overriding the grades that their peers gave him.
22. When all students answer the peer assessment and or when the instructors seem right he can click a buttom that will allow students to see the aggregated results of the peer assessment they received (no details, just the questions and the average they received)

Landing page for instructors:

23. The system should show a list of the courses that belongs to the logged instructor
24. The instructor clicks in the course and the system shows all the peer assessments that the course has and it allows the instructor to create a new peer assessment

Landing page for students:

25. The system must show the name of the iteration (delivery) that is being evaluated, the name of the team members that belong to the team the questions and the answers that they must answer. user's name, surname, and email address.

After the instructor "publish" the results of the peer assessment.

26. The system must show the student the aggregated results for each question

Any user

27. The system must allow the user who owns the profile to update their password,
28. The user must enter the current password to confirm this change.

Peer assessment:

The current questions for peer assessment are:

He/she adequately fulfills the assigned tasks

He/she assumes the project as a team effort, providing support in project tasks

He/she demonstrates initiative to achieve project success He/she fulfills his/her assignments properly, working transparently and in coordination with the rest of the team
He/she has maintained good communication with the client, generating value to project execution
He/she is able to seek help when there are problems
He/she shows a communicative attitude facilitating the teamwork
He/she is able to admit to mistakes and accept criticism.
Strengths (write about the strengths that you saw while working with X)
Weakness (write about the weakness that you saw while working with X)

But the questions should not be "hard coded". The system has to be flexible enough that the questions must be updated without losing past information.

29. The system must indicate to each course all the particular instance of peer assessment that exists, its status (open, closed), start and end dates.
30. In the case of the instructor, the system must allow updating the deadlines for students to answer the peer assessment, without losing the assessments that were already stored.
31. The administrator can add or remove instructors before opening the peer assessment to students