As a student you often want to select double majors or minors. The current Clarkson system makes it difficult to figure out the requirements.

In this project you will create either a website or an app where you can select two or more majors and / or minors. The system should generate a list of pre-requisite courses, faculty members who teach the class, when the class is offered and allow the student to figure out if they can complete the requirements by the time they graduate.

Majorizer Requirements Interview Questions:

1. By “list prerequisite courses,” do you mean “list all courses required to graduate?”
2. For version 1 of this website, can we include undergraduate CS and CE majors only?
3. Regarding Question 2, what should be the maximum amount of majors and minors that one hypothetical overachieving student is able to take.
4. Should there be any differences between the phone application and the computer application? If so, what?
5. Should every type of student have access to this application?
6. Should professors have “upper level access” to the application? (privileges such as changing the prerequisites of a course or moving the room number)
7. What is the exact input that will be provided by user, what is the exact output that will be generated?
8. Will advisors have an account where they can access all of their student’s major info? **-Yes, they should also be able to take a request for system changes**
9. Will students have same permissions to edit as advisor? **-separate info from undergrad and grad students**
10. If students can change data on their own, does advisor need to approve of changes first? -**Advisor should be able to switch students to different advisor but not remove. Students cannot change their own data.**
11. If the student can complete the major in time, what should be shown (i.e. a generated schedule based on semester)?
12. If the student can’t complete the major in time, what should be shown (i.e. failed roadmap, or simply message stating result)?
13. Can the student set a credit limit in which he/she is comfortable taking per semester?
14. On login how many attempts should be allowed before locking account?
15. What should the password requirements be?
16. Should Students be able to create their own account or should only admins and advisors be able to?
17. Should students be able to input what classes they have already taken?
18. Would you like a color coordinated system for classes, classes taken, and classes that appear in both majors/minors?
19. Should login be backed with security questions?

Meeting notes:

- Each student can have one or more advisors, vice versa
- 2 advisors 5 students
- Should undergrads and grads be seperate? Advisors should be able to toggle through grads and undergrads
- Students should be able to simulate major or minor. Advisor only be able to change curriculum.
- Advisor has to approve requests from students for curriculum pages
- Advisor should come into login page with username and password.
- Students should be able to see majors and minors
- Past courses? Grade info? It would be good. Input is csv file.
- Advisor should only be able to input grades gpa via csv file.
- Advisors and students have the same login page.
- 8 characters usernames, min 6 max 12 character passwords upper,lower,number,special characters
- Advisor and student accounts
- Account lock after 3 tries, only admins can unlock account who is not an advisor or student
- Notify user if taking >21 credits
- Maximum 19 credits, minimum 11 credits
- 2 majors, 2 minors (cs major, 2 minor)
- Database has set of users, advisors, and one admin.
- Don't worry about changing password
- Easy to use interface. Two blobs (undergrad, grad), messages(“new student has been added”)
- Some sort of visuals for class listings
- Math courses should have numerical symbols.
- Logging in for first time -> helpful tips
- No permission number.
- Students can only view previous courses, and simulate schedule
- Graduate students can only have 1 major no minors. Basic masters in Comp sci or math (seminars are important).
- 6 knowledge areas, pick 2 (no STS, IA)
- Advisor can check schedule for student and see if can happen.
- Detect collisions in schedules
- At most 12 KA’s, math and CS, math minor, stats minor
- Don't need to put in course descriptions.