

**Assignment – Web Site Version 1.1**

Due: April 18, 11:59 PM

This is an *individual* assignment.

In the previous assignment, your implementation of the web site of the SE program was heuristically evaluated by another student in the course. In this assignment, you will address the feedback from that heuristic evaluation and accordingly modify your implementation of the SE program's web site.

**Part I: Web site implementation**

- Obtain the heuristic evaluation materials from the student who evaluated your web site. These materials include the heuristic evaluation spreadsheet and the report that summarizes the results from the evaluation. Optionally, you can also obtain the materials (e.g., slides) used in the presentation of the heuristic evaluation of your web site.
- Address each limitation/potential problem with your web site identified in the above report. You can address each limitation/potential problem in one of two ways:
  - Option 1: Make a change to the web site to fix the limitation/problem.
  - Option 2: Provide an argument explaining why you disagree with the given limitation/potential problem. This argument needs to be based on design principles, guidelines, heuristics we have studied and/or on the requirements for the SE web site (included at the end of this assignment for your convenience)
- The new version of the web site must satisfy *all* functional requirements for the SE web site
- The web site's content must be the *real* content that would be shown to the world if your web site was to substitute the current web site of the SE program at QU. Thus, your web site's content must be factually accurate (e.g., the web site should include the actual SE curriculum, real projects that SE students have completed, etc.) and professionally presented (e.g., proper word usage, no typos, etc.).
- As for the previous version of the web site, you are allowed to use HTML, CSS, JavaScript, and Bootstrap, but no other web frameworks/technologies

**Part II: Write-up**

- Write up how you addressed *each* limitation/potential problem identified during the heuristic evaluation of your web site.
  - If you decided to make a change to the web site, briefly explain what that change is and what design rule and/or requirement it is based on.
  - If you disagreed with a limitation/potential problem, provide an argument of why you disagreed and base that argument on design rules and/or the requirements for the SE web site.
  - For this part of the write-up, you might want to use a table with three columns (limitation/problem, how you addressed it, justification) or a set of sections that each contains these three pieces of information
- If you made additional changes to your web site to address functional requirements that the previous version did not address or you made changes based on additional usability improvements you identified by yourself, explain what these changes are and back them up with design rules and/or functional requirements.

**Artifacts to submit:**

*Make sure you attach all necessary files before you submit the assignment, because Blackboard will not let you resubmit. For the write-up, please submit either a PDF or an MS Word file.*

- The web site implementation. Submit a zip file with all the web site files. Name your homepage “index.html” . If you choose to use Bootstrap, use it from a CDN and do not include the Bootstrap files in the zip file you submit.
- The write-up described above

**Functional Requirements for a web site of the Software Engineering program at Quinnipiac**

1. The web site of the Software Engineering (SE) program at Quinnipiac University (QU) shall allow visitors to see the curriculum of the QU SE program.
2. The web site of the SE program at QU should show visitors a typical course map, which would be a visual representation (with predecessor relationships) of the courses that a QU SE student must complete.
3. The web site of the SE program at QU shall allow visitors to see the program educational objectives.
4. The web site of the SE program at QU shall allow visitors to see the student outcomes of the SE program.
5. The web site of the SE program at QU shall allow visitors to obtain information about the number of students enrolled in the program for each class (freshman, sophomore, junior, and senior).
6. The web site of the SE program at QU shall allow visitors to view the current faculty in the software engineering program.
7. The web site of the SE program at QU should allow visitors to view the teaching history of each professor (provided he/she is willing to share such information).
8. The web site of the SE program at QU should allow visitors to view the clubs and organizations available to QU SE students (i.e. QCC; and QUESO) and provide links to their web sites (if such web sites exist).
9. The web site of the SE program at QU should allow visitors to obtain information about projects in which students in that program have participated.
10. The web site of the SE program at QU should provide information about what life in general is like as a software engineering student at QU (such as a day in the life video or interview).
11. The web site of the SE program at QU should provide visitors the opportunity to learn about some current QU SE students (with these students' permission).
12. The web site of the SE program at QU should provide links to the resources available to engineering students such as the Learning Commons and the peer fellow programs.
13. The web site of the SE program at QU shall allow visitors to view job prospects for software engineers.
14. The web site of the SE program at QU shall have a FAQ section for visitors to view a list of questions that visitors typically would ask about the SE program at QU.

**Non-functional requirements**

1. The web site of the SE program at QU must be available at all times.

2. The web site of the SE program at QU must be easy to explore, meaning that visitors should require no training to be able to explore the information provided on the web site.
3. Visitors (at least 90%) of the web site of the SE program at QU must be satisfied with the amount of information on the web site and with the ease of finding this information.
4. Exploring the web site of the SE program at QU must be enjoyable (to at least 90% of visitors).
5. Visitors (at least 90%) of the web site of the SE program must be able to identify at least one unique educational opportunity that sets apart the SE program at QU from other undergraduate SE programs.