Requirements and Specification, ESOF 328, Spring 2021
Exam 1, Feb. 5   **Name** _____

This exam is to be completed individually without the use of the text, notes, the Internet, or any other items.

1. Select the best category for the information: A user's manual shall be delivered with the Alumni-Connect.   (4 pts.)
   a. Business rule
   b. User requirement
   c. Functional requirement
   d. Non-functional requirement which is not also a quality attribute
   e. Quality attribute

2. Future enhancements to accommodate new types of data in Alumni-Connect and its associated webservice shall not be too difficult.   (4 pts.)
   a. Business rule
   b. User requirement
   c. Functional requirement
   d. Non-functional requirement which is not also a quality attribute
   e. Quality attribute

3. Administrators, graduates and seniors can create and edit the profiles in the system.
                                                                                    (4 pts.)
   a. Business rule
   b. User requirement
   c. Functional requirement
   d. Non-functional requirement which is not also a quality attribute
   e. Quality attribute

4. Select the identifier most likely NOT to be a project stakeholder.   (4 pts.)
   a. Users of the future system
   b. Implementers of the system
   c. Company lawyers
   d. Testers
   e. All of the above are considered project stakeholders.

5. Business analyst is often a role played, rather than a job title. This role goes by many different names. Which of the following is least likely to be a synonyms for business analyst?   (4 pts.)
   a. Systems analyst
   b. Business analyst
   c. Requirements manager
   d. Requirements engineer
   e. Systems engineer

6. List five distinct skills needed by the business analyst.   (5 pts.)

7. Briefly describe the relation of business requirements, user requirements and functional requirements.   (5 pts.)

8. Say that a project is anticipated to require 5,000 person-hours to complete. Approximately how much time of that time does the text recommend be spent on requirements? Give your answer in person-hours.   (5 pts.)

9. Describe what is meant by risk exposure and how to calculate it. (5 pts.)

10. Describe the difference between a risk and an issue, and how to handle each. (5 pts.)

11. Consider the business objective "Alumni-Connect will help alumni connect with the Tech family after they graduate".

    a. Give an example of a "forward from" link, from this business objective.

                                                        (5 pts.)

    b. Give an example of a "forward to" link, to this business objective.

                                                        (5 pts.)

12. Give the four main stages in the requirements development process and for each list two tasks that we could do before our next user meeting on Feb. 11th?

(20 pts.)

13. A diagram showing the scope of Alumni-Connect will be a valuable addition to our SRS.

    a. Consider creating a context diagram versus an ecosystem map. Describe the similarities and differences of these diagrams.   (10 pts.)

    b. Develop whichever diagram you expect to be most useful.   (10 pts.)

    c. Justify why you chose the diagram (context diagram or ecosystem map) which you did.   (5 pts.)