SE2224 – Software System Analysis

Spring, 2022-2023

Assignment-3

Assignment-3 Information:

This assignment can be done as a group. Note that individual assignments will still be evaluated. A group can have at most 3 students. Note that the assignments that are sent with more than 3 students will not be evaluated.

For groups: the submission of only one of the group members is enough. Do not forget to include the name, surname, and student number of each member in your assignment.

Questions:

1. Order the following interview questions from top to bottom and bottom to up:

    1. What do you think would make security more effective here?
    2. In general, how do you feel about the security of data versus the importance of internet access?
    3. What specifically is the problem you are experiencing with your firewall?
    4. Have you considered other methods to improve the security of corporate data?

2. Find a partner and interview each other about what <u>tasks</u> you/they did in the last job held (full-time, part-time, past, or current). If you haven't worked before, then assume that your job is being a student.

    a) Before you do this, develop a **brief interview plan**: Who will be interviewed? What is the focus and purpose of the interview?

    b) After your partner interviews you, identify the type of interview, **interview approach**: Top-Down or Bottom-Up.

    c) Make sure you ask 2 open-ended, 2 closed-ended, and 2 probing questions to your partner. Note the **question type** next to it.

    Note: Make sure that the interview questions are not unrelated to each other. These six questions should have a related flow and help the interview's goal.

3. Prepare interview questions (2 closed-ended, 2 open-ended, and 1 probing) to understand the root cause of the following problem: 'The lightbulb burns out frequently'.

4. Suppose that you are the analyst charged with developing a new system for the university bookstore with which students can order books online and have them delivered to their dorms and off-campus housing. What **requirements-gathering techniques** will you use? Describe in detail how you would apply the techniques.