**CS 4321 - Video Lecture Expectations**

**Video P2L1 – Requirements Engineering (43 min)**

Look at the cartoon on this page: [https://medium.com/@thx2001r/the-project-cartoon-root-cause-5e82e404ec8a](https://medium.com/%40thx2001r/the-project-cartoon-root-cause-5e82e404ec8a)

Watch video P2L1on Udacity. Answer the questions below and submit on Blazeview (HW- P2L1).

**Questions to be answered**

1. What is one of the major reasons project fail?

|  |
| --- |
|  |

1. Software quality is a function of what two things?

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

1. Briefly mention 4 reasons that identifying the purpose of software (e.g. identifying the requirements) is a hard task?

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

1. Two common problems with requirements are the lack of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. List three problems that can contribute to stakeholders signing off on requirements without fully understanding them.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

1. A requirements specification is a bridge between the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ domain and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ domain.
2. Briefly discuss the difference between functional and non-functional requirements.

|  |
| --- |
|  |
|  |

1. What is wrong with this requirement: “The system needs to be easy to use”. How could you fix it?

|  |
| --- |
|  |
|  |

1. Briefly discuss the difference between user and system requirements.

|  |
| --- |
|  |
|  |

1. System requirements include what 2 types of requirements (among other things)

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

1. Where do requirements come from. List 3 sources.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

1. What is meant by the “thin spread of domain knowledge”?

|  |
| --- |
|  |
|  |

1. List four issues that add to the complexity of collection requirements.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

1. Why/how is bias an issue in eliciting requirements?

|  |
| --- |
|  |
|  |

1. List 5 traditional techniques for eliciting requirements

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. What are the 3 main steps in analyzing requirements?

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

1. We typically prioritize requirements because of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
2. What is the name of the document that details user and system requirements?

|  |
| --- |
|  |

1. What are the 3 main sections in a simplified software requirements specification (SRS)?

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

1. List 4 properties requirements should have.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |