

Multidisciplinary Projects

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Question 1 (15pts) Draw a figure to show phases in a modified waterfall model in software engineering. Describe what is objective of each phase.

Question 2 (20pts) A bank wants to develop a web-based banking app where people can use a web browser to log in to accounts and transfer money to other people. Simulate an interview with a client (write down the question and answer) to get the five most important requirements.

Question 3 (20pts) Draw a use case diagram to represent the requirement in Question 2.

Question 4 (15pts) Create a table to describe the priority of requirement (must-have, should-have, could-have, and will-not-have) and explain the reason.

Question 5 (10pts) Draw a deployment diagram for the system in Question 2.

Question 6 (5pts) What is an Integrated Development Environment (IDE)?

Question 7 (15pts) How to deal with a late project (i.e., miss the deadline)? Should we ask current developers to work extra time or hire more people? Explain why?