(5 points) Short answer question:

1. You work for a refrigerator manufacturer who is rolling out a new touch-screen display for a refrigerator door. Describe at least 3 types of requirements analysis you would conduct to ensure that this product is a success. What are some specific conclusions that you might expect that these requirements analyses could generate?

I would interview the stakeholders from the manufacturer to see which qualities (good, fast, cheap) do they want to emphasize on; I would survey a random large sample of consumers who would tell me what kind of features do they expect/want out of the touch screen; I would shadow other users at other touch screen appliances/equipments to try to see the problems that they are having or the success that they are enjoying, so I could design mine accordingly.

I would expect our stakeholders to emphasize quality and a speedy design process; I would expect the potential users to want a temperature display, the room used in the fridge, date and time, water filter status, and many other functions; I would expect to see problems such as error handling, touch screen sensitivity, and touch screen being too fragile from other appliances.
(5 points) Short answer question:

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   1) Interview people who interact with refrigerators on a daily basis and try to figure out what features would be convenient and what features would be excessive. This would probably generate conclusions such as the need for touch-screen temperature and ice-maker control. This could also tell me exactly what an end-user would wish to control in a refrigerator.

   2) Reading documentation of normal refrigerator to discern what exactly there is to control in a refrigerator. The kinds of conclusions this would generate might be the need for automated lighting. But the main point would be to learn what the basic functioning are and what might need to be controlled.

   3) Conduct a survey in current refrigerator owners to see what new features and control owners would like to see in an new line of products. Some conclusions this could generate is the addition of night time lock on refrigerator doors or even a more accurate view of exactly how much control people would like over their refrigerator.