

Homework 18

The goal of this homework is for you to practice UML state diagrams. Consider a research study. Initially, the researcher needs to fill paperwork to get approval from the department chair. If the chair denies the study, the researcher must revise the approval paperwork and get the study approved. After the chair has approved the study, the study will move into the data collection phase. During the data collection phase, the researcher must recruit volunteers. When the data collection is finished, the study will move into data analysis phase. If analysis yields a bad result, the researcher returns to data collection. If the analysis yields a good result, the study is terminated. At any time when the study is in progress (collecting data or analyzing), if the goal of the study changes, the study will need to be approved again. After a year, the study also needs to be approved again. After analysis, the study will be terminated. Draw a UML state diagram for the described system. You can draw your UML in any software that you like (such as MS word, PowerPoint, Visio, or Visual Paradigm), but you need to save them into a PDF file, and submit a pdf file. We do not accept handwritten UML diagrams.

Due: April 17, 2018, 11:59PM, 2019.

Turn in one PDF file via handin. The name of your PDF file should be: LastName_FirstName.pdf. For example, if your name is John Smith, you should turn in one files: Smith_John.pdf.