1. Use the spreadsheet from NUoodle to help think about the functional requirements of the medical database.
2. Complete your choice of questions that you will be able to answer with your database design.
3. Define the datasets (tables) you need to be able to answer the questions you chose in (2). Show the keys and some of the attributes you will store.
4. Draw crowsfoot diagrams for the keys and the relations among the datasets defined in (3).
5. Create the empty datasets in MS-ACCESS corresponding to your designs in (4).
6. Using the RELATIONS function in ACCESS, establish the linkages you need among the datasets from (5).
7. Prepare a document (DOCX, DOC, RTF, ODT) showing the characteristics and restrictions for the fields you have defined in each dataset.
8. Using your own imagination or using ideas or data from the spreadsheet mentioned in (1), fill in a few (however you see fit – e.g., 5 patients, 5 drugs, 5 staff members, etc.) records (rows) for each dataset.
9. Prepare a few SQL statements that answer specific questions (e.g., “Which staff members are currently responsible for Mrs Worthington?”) and store them for easy retrieval.
10. *Each student* must upload your completed ACCESS database and your documentation (as explained in part 7 above) to the NUoodle upload feature in Week 8).
11. Respond to the request in Week for your team constitution so Prof Kabay can plan which team presents their work when.
12. In the presentation, simply talk about issues that came up during your work together and some of the ideas and techniques that you feel you learned because of the exercise. Don’t hesitate to bring up questions that would make good discussion topics (e.g., “We couldn’t figure out how to ….”) in class.
13. Realize that you are not being graded DOWN for your presentation. The Prof really isn’t interested in giving you partial credit – this is just another chance for everyone to learn something. Stay calm!

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