You will be designing and implementing an internal web-based application for maintaining appointments, patient information and exercises for a small physical therapy clinic.

The clinic has between 4 and 10 therapists working at any given time. Each therapist has patients that he/she is responsible for. This means setting up appointments and deciding on the exercises that should be done during each appointment.

Various Notes in no particular order:

- Appointments are scheduled up to a month at a time and at the time of the appointment the therapist fills in the exercises that were done (including how many reps, what weight or color of elastic band was used).
- Each appointment is made in increments of 30 minutes, with any single appointment being no longer than 90 minutes. An initial appointment for evaluation is usually only 30 minutes, later ones are either 60 or 90 at the discretion of the therapist.
- When a therapist logs in, he/she can only see his/her patients.
- Patients do not see this, it is available only to the therapists, as such there does not need to be any fancy images or extraneous links. It needs to be easy for the therapists to navigate within the site and easy for them to find the information they need. Things must be labeled and organized in a way to facilitate the user.
- Exercises are categorized for body part (shoulder, knee, wrist, etc). Other than that, if you know any or want to look them up fine, but you can also initially call them Should exercise 1 and so on. Each section will be more specific about what you should use when we do interviews.
- You should have basic patient information, but you don't need to worry about insurance, payment or doctor's referrals.
- You should be able to print (ie display to a screen so that it could be printed) a list of patients and times for a particular day, a list of the exercises a patient did during a particular appointment, or all appointments, a list of all the therapists and how many patients they are currently working with, and maybe more. As you are designing this, please think about (and ask about) the kinds of things that would be helpful if you were doing this job.

General point values and some of the items necessary for the finished project are:

- an ER diagram in 3nf(50 points)
- table descriptions (including fields, data types, keys (primary and foreign), and any views that might be useful) (50 points)
- several web pages, I cannot give an absolute number here, but more than one (100 points)
- the web site **must** be on the 466/566 account given in class. All of your tables, html, php code must be there when you turn in your project (30 points)
- each person in the group must write up a one to two page description of what they did, what the others in the group did, any problems and how they were solved, or any other information about working in groups you would like to share. This should be written in proper English, not just bullet points or single sentences (20 points)
- you **must** do the project using html, php and MySQL. Do not even ask about other languages, platforms, technology. If you want to do an additional site that would be viewable on a mobile device, that is ok – but it is still a web site and is an extra, not a replacement
- Depending on your instructor and time allowed you may be required to do presentations to the class. If this is the case, you must attend all of the presentations to get the full attendance points.
- Attendance during project meeting times is very important, that is why we schedule some class time for this. We will be taking attendance especially on group project days and if anyone misses more than 2, their grade will be impacted. (50 points)
- If you have problems with your group you are expected to work it out, or bring it to the attention of your instructor (supervisor) as soon as possible.

Also note, that each section may have some different requirements that will be discussed in class. It is your responsibility to attend class and make sure you know any changes that are discussed in class!