

CPT 262 - Capstone

For this project you will be creating a website for the medical office from the CPT 264 course.

There will be a front-end website created for viewing by the general populace. This will be created using designs given by the Digital Arts department. In addition to the front-end site, there will also be a back-end site. This back-end site will need to have a database to perform all the tasks required, as well as multiple pages to perform tasks related to the office. Some of these tasks are listed below, this may not be a complete list, as requirements may change over time.

- 1) Create a viewable list of items than can be purchased from the office – This must be performed on both the front end and back end sites
- 2) Be able to enter, edit and delete users in the system, as well as have said users log in when they are looking to access the back-end site. Permissions for what they should be allowed to view and access should also be adhered to.
- 3) Be able to enter, edit and delete items to be purchased, while keeping referential integrity.
- 4) Be able to enter, edit and delete orders that are placed into the system. Allowing customers to enter orders for pick up must also be on the front-end site as well.
- 5) Be able to enter, edit and delete inventory in the system.
- 6) Be able to view orders that are currently open, as well as past orders.
- 7) Be able to run reports that tell what level the inventory is at any given time.
- 8) Make sure the front-end site is mobile accessible
- 9) Be able to enter, edit and delete patients in the system.
- 10) Should be a method for people on the front end to schedule an appointment. These appointments will be exactly one hour and be possible from the hours of 9 AM to 4 PM. They will also choose the practitioner they wish to have for the appointment. A practitioner cannot be booked for more than one appointment per hour.

This site should include proper programming practices. You will each create the site individually, but you will need to coordinate with your teammates in the CPT 264 group to determine which pages will be used for presentations in that class. During each week, we will have time to discuss items related to the project, as well as clarify exactly what the end users are looking for within the websites. Be ready with questions each week, as everyone will have a specific amount of time available for questions. Certain deliverables will be given during these meetings, it is important to pay attention and take notes.

There are Milestones that must be handed in on time to be graded for the project. The Milestones that are necessary and their due dates are listed below. Your code should be zipped and handed in to the dropbox in D2L each week.

Milestone 1 – Due 3-8-22:

Database design must be implemented into the webserver.

Milestone 2 – Due 3-22-22:

Front end design for the site must be complete. All pages do not have to function, but the design should be fully implemented.

Have basic back end site created.

Links to all pages should be on this back-end site, pages do not have to be created yet, but should have an idea of all the pages the system will use.

Milestone 3 – Due 3-29-22:

Inserts for all aspects of the system will be completed.

Milestone 4 – Due 4-5-22:

Searches for all aspects of the system should be completed.

Inventory control should function.

Milestone 5 – Due 4-12-22:

Update for all aspects of the system should be completed.

Scheduling pages should function

Milestone 6 – Due 4-19-22:

Site should be complete on both front end and back end, with no errors

Final Presentation – Due 4-26-22:

You will fully present your website, showing the functionality of all pages of the website.