

MIT 511: Multimedia Design and Development

Pulmonary Rehabilitation Website

Context and Conditions

Designing and developing a website for *Pulmonary Rehabilitation* was the project completed for MIT 511: Multimedia Design and Development. This class was taken in the spring of 2006 and taught by Dr. Arnold Murdock. The purpose of the project was to demonstrate proficiency in using Macromedia Dreamweaver, Fireworks and Flash software programs to design a website applying design and development theories such as Mayer's principles of multimedia learning.

The website was designed to be an overview for individuals searching for basic information regarding the field of Pulmonary Rehabilitation. Topic areas covered included the referral process, the phases of pulmonary rehabilitation, chronic lung disease and medications. Links to other websites were provided within each topic area to direct the user to more detailed information.

Scope

The project planning stage defined the information to be included in the website. The design stage addressed the overall layout of the website and the screen design which should be compliant with multimedia design principles. The actual site was created during the development stage. The project was completed in one semester.

Role

This was an individual project. I served as the webmaster of the site responsible for the design and development. I also served as subject matter expert due to my twenty years of experience in the field of pulmonary rehabilitation.

Reflection

This was my first exposure to the Macromedia tools and to web development. I quickly appreciated those with even the most modest of development skills in using the software. If I were to complete the task again, I would plan for more effective use of storyboards to layout the design in detail prior to development. Not only would this reduce development errors, but it would also give the designer a chance to analyze each screen and review whether multimedia design principles had been effectively applied prior to development.