Abstract
The purpose of the study is to document the design and development of a Web-based interactive simulation to evaluate the clinical reasoning skills of second year medical students. Web-based delivery of assessment is individualized, interactive and is not bound by time and place. The simulation is designed to provide second year medical students with a realistic view of a common clinical situation in a learner-centered environment. The metaphor for the simulation is that of a virtual hospital with the interface design to match the metaphor. Data will be collected through a tracking system from within the simulation software twice during the study, once in the beginning and the other at the end of the students’ second year to evaluate the progress of clinical reasoning skills. The implications of the pilot project will enable us in understanding the challenges and issues related to the integration of Web-based courseware into Medical Education.