June 5, 1973

**Advanced Application Engineering,**

**Kal. Bugrara**

**Exam One: closed notes. Time: 30 mins**

1. Based on the various discussions we had in class, draw an object model showing the fundamental components of patient care in a private medical practice settings. Your model must focus on the classes and their relationships. Private practices are collaborative in nature and could include internal or external participating entities each is offering a multitude of services. Doctors can requests as advertized by service providers.
2. Continuing with the exercise above, suppose you want to design a portal for patients so they participate in their own health management. Define a use case for the patient. Draw the screens for the patient portal and sequence them in a way that is intuitive to the user. You will be graded in your ability to discover and include all user facilities useful for the patient. Remember, we can improve quality and reduce staff workload by having the patient taking administer some of their health needs. Try to find all the things patients want to know and when.