**CS5551 Advanced Software Engineering**

**LAB ASSIGNMENT #1**

**Lab Submission through the following link before 8/30/2017 (W) 11:59PM.**

<https://goo.gl/forms/dM8SLvQ4cc2ZYGAJ2>

1. **UML Class diagram for the below scenario:**

***Hospital Management:***

Draw a class diagram to show and explain hospital management structure, staff, relationships with patients, and patient treatment terminology.

**Description:** A person could be associated with different Hospitals and a Hospital could employ multiple persons serving in different teams. Patient is a person with id and a patient’s diagnosis record with hospital admission date. Ward is a division of a hospital or a suite of rooms shared by patients who need a similar kind of care. In a hospital, there are a number of wards, each of which may be empty or have on it one or more patients. Each ward has a unique name. The doctors in the hospital are organized into teams (also called firms). Each team has a unique name or code (e.g. Orthopaedics or Pediatrics) and is headed by a consultant doctor or an attending physician.

1. **Create ZenHub Tool Account**. Create a board, 3 iterations, at least 5 tasks and show the analytics graph.
2. **Create Wiki page**. Create a wiki page for your lab assignment through GitHub.
3. **Create GitHub Account**. Create a repository by name "**CS5551\_yourname\_labassignments**" in remote GitHub. Clone it to local machine.

Create 2 (Source and Documentation) directories in local github.

Put the screenshots of class diagram and analytics graph under documentation directory in the local windows GitHub and sync it to remote GitHub.

5) Summarize the steps 1, 2, 3, 4 and briefly write a 2 to 3 paragraph in a wiki page.