**Milestone 2 (250 pts): Design and Implementation** (50% of final project)

**Turn in the following documents (1 through 6) either in text, pdf, doc, or docx and functional prototype.**

**These should be based on how you have advanced from your Milestone 1.**

1. **Personas** [refer to Lecture 11] -*Personas are archetypes of actual users, defined by the user’s goals and attributes [refer to Lecture 11].* *You may have as many personas as needed (5/6 personas could be a standard number based on your project type). Try not to miss any primary stakeholders. Try not to create multiple personas with same attributes.* **[20 pts]**
2. **Scenarios** [refer to Lecture 12] -*A description of a typical task (designed based on Personas and Requirement Document / Use Cases). It describes*

* *The basic goal*
* *The conditions that exist at the beginning of the task*
* *The activities in which the persona will engage*
* *The outcomes of those activities*

*You may have as many Scenarios as needed (7 - 10 Scenarios could be a standard number based on your project type). Try not to miss any fundamental task/outcome.* **[20 pts]**

1. **Flow charts** [refer to Lecture 12] –*It can be Simple network diagrams that identify the pages of a Web site and the navigational links between them OR Sophisticated diagrams that capture conditional junctures and computational processes.*

*Give a network diagram showing all your pages (or equivalents) along with navigational links for 5 pts. Also, submit diagrams capturing computational processes for 30 pts. These sophisticated diagrams will be guided by the number of Scenarios you have identified. Submit the final flow chart and add a brief description for each of them (what has been changed/improved after cognitive walkthrough)* **[35 pts]**

1. **Cognitive Walkthroughs** [refer to Lecture 12] –*Basically, we are breaking down the scenarios into sequences of single steps (e.g., click on a link etc.). Thus, we can count the total number of steps taken for a task to complete and try to reduce the number of steps to make it more efficient.*

*Show cognitive walkthroughs for each scenario. It may or may not be the case that you can improve cognitive walkthroughs for each scenario. If you cannot improve, just submit one set of cognitive walkthroughs for that scenario. If you have improved any scenario (e.g., reduced the number of steps etc.) then submit before and after cognitive walkthroughs for that scenario.*

*Number of cognitive walkthroughs will be guided by the number of scenarios you have.* **[30 pts]**

1. **Paper Prototypes** [refer to Lecture 13] – *These should be informed by your personas, requirements document, and flow charts. Find slide #3 for an example of paper prototype. You may have one prototype for each page in your website.* **[20 pts]**
2. **Wireframe Prototypes** [refer to Lecture 12] –*Transform your paper prototypes to basic page layout and screen components using some software. For example, Microsoft PowerPoint.* **[20 pts]**
3. **Functional Prototypes** [refer to Lecture 12] –*This is your working product. For example, website, game etc. Include an instructional file that shows how to test it.* **[105 pts]**