**Elaboration One (E1) – Deliverable**

**Due Date – See Syllabus**

**50 Points**

**Revise your previous artifacts (revision, revision, revision) correcting any faults :**

(10 points)

**Requirements, Analysis, Further refinement User Stories/Use Cases :** (30 points)

Update your user stories/Use cases : have more, “fully dressed” use cases. Working towards that 80% mark that will be needed in Elaboration Two(E2).

Need to start Class diagrams. Important part of Elaboration phase. Identify class (Entity, Boundary and Control). Use the three modeling techniques and start extracting the Entity classes. You can use the Class diagram templates from the book (pg. 422). Best to use a template that uses the UML rectangle model. Be sure to include Class Name and attributes. Do not include methods in E1. These will get refined in E2. Need to do at least four.

Pick at least four/five of the principle use cases. Start writing up Data Flow diagrams for them. You will be refining the Data Flow diagrams, but will NOT have to write up one for each Use Case (unless you want to). You can use template example given on D2L or a template from on-line. Be consistent.

Pick at least four/five use cases. Start writing up State diagrams for them. You will be refining the State Flow diagrams, but will NOT have to write up one for each Use Case (unless you want to). You can use template example given on D2L or a template from on-line. Be consistent.

Write at least four/five Communication or Sequence diagrams, or template from Power Point slides diagrams. It can be 4 communication and 0 sequence, it can be 2 communication and 2 sequence, it can be 0 communication and 4 sequence. Group decides, just need to hand in 4/5 total. Again, you can also use templates you may find on-line. Be consistent.

Start writing up a Master Test Plan and a few Test Cases, you will have to write more Test Cases for E2, and possibly revise the Master Test Plan. Good Test Case templates can be found on-line, be consistent, make sure to tie back to Use Case.

http://softwaretestingfundamentals.com/test-plan/

**Presentation :** (10 points) Team must do a polished, professional and practiced presentation of their Elaboration One phase. Take 10 minutes and be prepared to answer questions about the project.