SEIS 610 Project Deliverable #1 (100 Project Points)

Inception Phase (Project Kickoff)

The following artifacts from the inception phase must be complete and neatly done on the Confluence Server.

1. **Project Vision (10 points)**

   What is the project going to do??

   a. This should be at least one paragraph, maximum two paragraphs. You should describe the main user story in this. This should be written in a 'happy' optimistic fashion.

2. **Project Boundaries - What the project is NOT going to do. (10 points)**

   What is the project not going to do??
   What else will not be true about the project when this is finished?

   a. This should establish the boundary conditions on your project. For example, you might say, it will not be an IOS native application.
   b. I would expect multiple 'boundaries' not just one.
   c. Be careful that this does not sound like a vision statement.
   d. Have at least 5 boundaries

3. **Requirements written as User Stories (30 points)**
   [Think of all the features and put them here]

   a. Identify what you think are 90% of the user stories. You do not have to complete them or have them with very much detail.
   b. User stories are written in the style of "As a [type of user] I want [some goal] so I can [some reason]. Do not forget the "so I can" clause.

4. **Business Case and Initial Cost Estimate (20 points)**

   a. Assign 'points' to your user stories and use cases based on 'intuitive' complexity.
   b. Make an arbitrary decision about how much each point is going to cost in hours. For example, you may say each point costs 4 hours.
   c. Decide what your hour is worth and estimate the development cost.

   d. Do a search for other similar existing software and note costs. (invent costs if you have to)
   e. Include open source software that does a similar function and then describe what it is not suitable.

   f. Identify business risks for the project. (cost too much, no opportunity for return on investment)

   g. Identify cost in tools and other equipment you will need.

   Make the Buy or build decision. Hint, you will decide to build.
   Look at your answers 'a' through 'f' and give a reason why are deciding to build?

5. Identify Risks. (15 points)

[Assume all the money and other resources were available, market research is done and satisfactory, all business decisions have been made to go forward, <u>what else might keep you from implementing this project?</u>]

a. Remember, these things could jeopardize implementation of the software product. These are not business risks.
b. These are things that would make you nervous about agreeing to implement the project.
c. Do not include things like popularity of the product. That is a business risk.
d. Do not include things like staff leaving the project. You are the staff.
e. Do not include any generic risk mentioned in the text. These risks should be unique to you. If it can apply to every project, it is not specific enough.
f. Do not simply put comments like: "If the server is fast enough" or "Risk if the server crashes a lot". **You need to be specific as to why you think that may be risk.**

6. Block Diagram (5 points)

a. This will be expanded dramatically during the other phases, but for inception simply describe what do you expect to this product to run on and how you envision it may work. **Draw a block diagram of how you expect the software to be organized.**

7. Non-functional requirements (5 points)

Non-functional requirements are how a system is judged when it is complete.

For example, if a system is specified to be secure, specify a non-functional requirement indicating security. Remember, non-functional requirements can form the basis of functional requirements so are not contradictory.

a. **U**sability / human factors
b. **R**eliability requirements (frequency of failure)
c. **P**erformance (response times, throughput, storage usage)
d. **S**upportability (adaptability, maintainability, internationalization, configurability, etc.)
e. **+** packaging, legal, deadlines, odd requirements, etc.

Note: You do not need something for each of these.

8. **Glossary**. (5 points)
   a. You must include a complete glossary of terms. The glossary will be expanded as we go.