DoSA - Individual Assignment

Consider the questions on the right. These are the kind of questions auditors ask about architecture documents. See if you can answer them about another team's document.

Task 1: select one of these questions that should have had a better answer in another team's document. Explain what is the given answer and why is it not satisfying. Suggest concrete improvements that fit the evaluated architecture.

Task 2: select one question that has a satisfying answer in another team's document. Explain what is their answer and why is it satisfying. Now answer that question for your architecture, and compare how did your team do it, reflect on differences.

Task 3: select one question that would have been inherently easier to answer for your group, had you chosen the other case to work on. Provide examples illustrating your point. Select another question that is inherently harder to answer in the architecture of the other case, and explain it similarly.

Task 4: take one of the QA scenarios from your architecture. Analyse how another team's architecture deals with it (or not). Suggest how another team's architecture can be changed to deal with your scenario (in a better way).

Please make sure your submission has 5 pages or fewer. Longer documents will be rejected.

1. Who are the stakeholders? What are their concerns? What is the prioritisation of different stakeholders and concerns?

2. What decisions are made about trade-offs (in design and realisation) between/among concerns? (Per trade-off: which concerns are affected? What other environment factors besides concerns are related: assumptions, trends, related systems, etc?)

3. Which terminology is used in specific views (and models)? Is there an explicit dictionary, domain model or a domain-specific language?

4. What are the consistency (correspondence) rules across models and views, and how are they guarded (enforced / tested)?

5. How clear is it that all the architecture design decisions are related to environment statements (e.g., a stakeholder concern, assumption about the environment, a related system, or some constraint)?

6. How is it demonstrated that the system can be realised with the defined architecture? How do we know it is possible to implement the architecture with the development suite (process, tools, people)?

7. What are the most important decisions in the architecture?

8. What role does the architecture play in the activities of each stakeholder? How do they use it or how does the architecting process use the stakeholder's activi- ties/artefacts? Which views are involved in each activity?

9. How is the architecture embedded in the development suite (process, tools and peo- ple)?