Massachusetts Institute of Technology

Architecture of Complex Systems

Project Scoring Rubric

WEEK 3: SYSTEM ARCHITECTURE

Assessment Feedback

Prompt	**Peer Assessment Feedback.** Please provide feedback (300 characters or less) for this project.
Points	**Criteria**
1	**Project submitted:** A file has been submitted for this assignment. Feedback is mandatory for this step.

Step 2A: Solution-Neutral Concept

Prompt	**Step 2A: Solution Neutral Functions** Does the submission provide possible hierarchy of functions from solution neutral to solution specific?
Points	**Criteria**
3	**Complete:** A hierarchy of processes is provided containing at least three levels. Operands matching the processes are also shown.
2	**Partially Complete:** A hierarchy of processes is provided containing two levels. Operands matching the processes may or

	may not be shown.
1	**Incomplete:** A process and an operand are shown, but there is no sense of solution specific vs. solution neutral.
0	**Not attempted:** The project template is without work, in its original state. Project is copied from sample.

Step 2B: Solution-Neutral Concept

Prompt	**Step 2B: Forms** Does the submission illustrate a choice of forms for several of the possible processes? Is the result a potential concept, i.e. a feasible function-form pair?
Points	**Criteria**
3	**Complete:** Several forms are illustrated for each potential process choice. If relevant, the forms are shown in a hierarchy as well, with more solution-specific forms illustrated. The chosen concept is denoted by one function and one form.
2	**Partially Complete:** One form is illustrated for each of several potential process choices.
1	**Incomplete:** One of the process choices has one form attached.
0	**Not attempted:** The project template is without work, in its original state. Project is copied from sample.

Step 3A: Architectural Decisions

Prompt	**Step 3A: Architectural Decisions.** Does the submission develop a set of key architectural decisions which are connected and sensitive to key stakeholder metrics with rationales and alternatives as per the project template?
Points	**Criteria**
3	**Complete:** At least 5 connected and sensitive architectural decisions are identified. A rationale for each architectural decision is mentioned. At least two options for each decision are mentioned.
2	**Partially Complete:** Three to five architectural decisions are identified. The decisions are sensitive and connected. Rationale for each architectural decision is mentioned. At least one option for the decision is mentioned.
1	**Incomplete:** Less than three architectural decisions are identified. The decisions are sensitive and connected. No rationale for the decisions is provided. No options for the decisions are provided.
0	**Not attempted:** The project template is without work, in its original state. Project is copied from sample.

Step 3B: Architectural Decisions

Prompt	**Step 3B: Architectural Decisions.** Does the submission classify your architectural decisions as per the criteria defined in the project template?
Points	**Criteria**
3	**Complete:** Five or more architectural decisions are classified.
2	**Partially Complete:** Between three and four architectural decisions are classified.
1	**Incomplete:** One or two architectural decisions are classified.
0	**Not attempted:** The project template is without work, in its original state. Project is copied from sample.

Step 3C: Architectural Decisions

Prompt	**Step 3C: Architectural Decisions.** Does the submission complete the write-up on architectural decisions? Does the submission mention whether the decisions touch the architecture or are architectural decisions?
Points	**Criteria**
3	**Complete:** A write-up that includes a rationale for all the decisions, describing whether the decisions represent the architecture of the system is provided with details and examples.

2	**Partially Complete:** A write-up for some of the decisions, describing whether the decisions represent the architecture of the system is provided.
1	**Incomplete:** A write-up for at least one decision, describing whether the decisions represent the architecture of the system is provided.
0	**Not attempted:** The project template is without work, in its original state. Project is copied from sample.