

Create a Design Plan

Rubric

Dimension 1

Technical Knowledge and Skills

Reviewer Comment Prompt

- What is effective about the alternative approaches to the design of the solution?
 - Is there anything missing or a slight tweak that might make one of the approaches more effective? Be specific in your suggestions.
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INTRO TO INFORMATION TECHNOLOGY

REVIEWER RATING PROMPT 1: IDENTIFYING TECHNOLOGY COMPONENTS (WEIGHT = 1)

A good knowledge of technology components or techniques provides a good foundation for choosing the appropriate means to implement the solution functions and features.

To what extent does the student appropriately choose components to implement solution features and functions when putting together alternative design approaches?



Student chooses appropriate technology components. All alternative approaches seem like they would work.



Student generally chooses appropriate technology components, but some choices were not optimal. Most of the alternative approaches seem like they would work, but they may need slight changes or improvements.



Student did not choose appropriate technology components. Few, if any, of the alternative approaches seem like they would work without significant changes.

REVIEWER RATING PROMPT 2: COMBINING TECHNOLOGY COMPONENTS (WEIGHT = 1)

Good designs are often the result of not just what components are chosen, but how those technology components are assembled to interact with each other, data flows, and user interactions in modular and well-defined ways.

To what extent does the student consider how different ways technology components might be combined or assembled to produce an effective solution?



All of the alternative designs consider how components interact.



Some of the alternative designs consider how components interact.



The alternative designs did not consider how components interact.

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Dimension 2 Creativity and Innovation

Reviewer Comment Prompt

- Think about the innovation of these design approaches. Which solution is the most creative or innovative?
 - If any solution lacks innovation or creativity, identify it and suggest a way to make it more innovative.
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INTRO TO INFORMATION TECHNOLOGY

REVIEWER RATING PROMPT 1: INNOVATION COMBINATIONS OF EXISTING APPROACHES (WEIGHT = 1)

Creativity and innovation are manifested by combining known design approaches for IT solutions in novel ways.

To what extent does the student develop alternative approaches that combine known techniques in new ways that improve upon standard approaches?



Student combines known approaches in new ways for several of the alternatives.



Student combines known approaches in new ways for one of the alternatives.



Student does not combine known approaches in new ways.

REVIEWER RATING PROMPT 2: NEW APPROACHES (WEIGHT = 1)

The use of new design approaches is another way innovation and creativity might be used to improve an IT solution.

Does the student use any new approaches when considering design alternatives?



Student uses new approaches in creating multiple design alternatives.



Student uses a new approach in creating design alternatives.



Student does not use any new approaches in creating design alternatives.