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| **WEEK 1: What is a Model? Project Template** |

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| **Name:** |

Write a ~ 500-word response on the role that models played during the STS-107 mission and in the post-accident investigation. Word count suggestions have been included, but you do not need to feel constrained by them. Although you will input your replies into the course page, the course team recommends drafting your responses in this document.

In your response, please address the following questions:

**A.** How would you categorize the model(s) used in the report section assigned with respect to what you have learned about the taxonomy of models (physical, mathematical, etc.)? (100 words)

**B.** Based on what you have learned about model credibility and fidelity, where do you think the various models used for the STS-107 should reside in the 2x2 matrix of model confidence and model fidelity? (100 words)

**C.** How do you think the models affected the decision to continue flying the Space Shuttle after Columbia? (100 words)

**D.** How does this relate to the situation in your firm? In particular, how do models affect the decision-making process in your organization? Be sure to mention a model, its taxonomy, and how the model was used in a decision-making process in your organization. (100 words)

**E.** Choose a specific model you have seen within your firm. How does your organization perceive the model in terms of credibility and fidelity? Grade the model on the 2x2 matrix. (50 words)