**Systems Analysis: Conceptual Architecture Diagram**

After completing this activity you will be able to:

* Interpret a conceptual architecture diagram
* Construct a simple conceptual architecture diagram

**Step 1: Individually**

Reference the conceptual architecture diagram shown on screen. Prepare 3 questions that can be answered with the diagram:

1.

2.

3.

What is a question about the process that cannot be answered with the diagram?

1.

**Step 2: In small groups.**

Discuss your questions (and answers).

**Step 3: In small groups, consider the following scenario**

This year the prestigious Temple Team Tiddlywinks Tournament has asked you to run a Prediction Contest. There are 6 teams in the Tiddlywinks Tournament. Each team plays every other team twice (total of 10 matches per team). In the Prediction Contest, before each of the 10 match rounds, a predictor can predict the 3 match outcomes. A predictor receives 1 point for predicting the correct outcome and 3 more points for predicting the margin of victory. Your job as Prediction Contest Director is to track predictions, determine scores for each prediction, and track scores per round and overall.

1. There are at least two roles involved in the Prediction Contest. Name them.

2. Decide how predictions can be submitted (e.g., email, phone app, web form). Decide how results will be communicated.

3. There are multiple discrete processes involved. Identify the major processes.

4. What data needs to be stored? How would you store it?

**Step 4: Discuss as a class**

**Step 5: In small groups.**

Based on the consensus class response, prepare a conceptual architecture diagram for the Prediction Contest.

**Step 6: Answer four short-answer questions (individually)**

1. When you think a conceptual architecture diagram is most useful?

2. Compare and contrast the conceptual architecture diagram and the entity relationship diagram.

**Step 7: Rate this activity (individually)**

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| --- | --- | --- | --- | --- | --- |
| **Ratings** | 1 Completely Disagree | 2 Somewhat Disagree | 3 Neutral | 4 Somewhat Agree | 5 Completely Agree |

|  |  |
| --- | --- |
| **Statement** | **Rating (1 to 5)** |
| This is an engaging activity. |  |
| I learned a lot completing this activity. |  |
| This activity should be included in future classes. |  |
| Anything else you want the instructor to know? |

**Step 8: Save this file with your first and last name in the title and email from your Temple to account upload.Unit\_2\_.l8nvffunwb@u.box.com**