Assignment-5

Unit 7 - Week 5: Simulation and Bidding

On 2Q-04-04, 04-04-04

Assignment:

- Scenario: A simulation bidding for multiple parameters.
- Objective: To maximize the bidding success rate.
- Parameters: Price, Quality, Service, and Reputation.
- Constraints: Budget, Time, and Resources.

Evaluate the following scenarios:

1. Scenario A: Bidding for a project with the following parameters:
   - Price: $100,000
   - Quality: 90%
   - Service: 80%
   - Reputation: 95%
   - Budget: $150,000
   - Time: 3 months
   - Resources: 20
   - Constraints: Budget, Time, and Resources are not exceeded.

   a) what is the bidding outcome?
   b) what is the overall success rate?

2. Scenario B: Bidding for a project with the following parameters:
   - Price: $120,000
   - Quality: 85%
   - Service: 70%
   - Reputation: 80%
   - Budget: $160,000
   - Time: 4 months
   - Resources: 25
   - Constraints: Budget, Time, and Resources are not exceeded.

   a) what is the bidding outcome?
   b) what is the overall success rate?

3. Scenario C: Bidding for a project with the following parameters:
   - Price: $130,000
   - Quality: 80%
   - Service: 65%
   - Reputation: 75%
   - Budget: $170,000
   - Time: 5 months
   - Resources: 30
   - Constraints: Budget, Time, and Resources are not exceeded.

   a) what is the bidding outcome?
   b) what is the overall success rate?

Consider the following weaknesses:

- Insufficient market research.
- Inadequate planning and coordination.
- Limited workforce availability.
- Unexpected changes in customer requirements.

4. Scenario D: Bidding for a project with the following parameters:
   - Price: $140,000
   - Quality: 75%
   - Service: 60%
   - Reputation: 65%
   - Budget: $180,000
   - Time: 6 months
   - Resources: 35
   - Constraints: Budget, Time, and Resources are not exceeded.

   a) what is the bidding outcome?
   b) what is the overall success rate?

5. Scenario E: Bidding for a project with the following parameters:
   - Price: $150,000
   - Quality: 70%
   - Service: 55%
   - Reputation: 60%
   - Budget: $190,000
   - Time: 7 months
   - Resources: 40
   - Constraints: Budget, Time, and Resources are not exceeded.

   a) what is the bidding outcome?
   b) what is the overall success rate?

Which scenario is most likely to succeed and why?

- Scenario A: Highest rating in all parameters except for Price.
- Scenario B: Lower rating in all parameters except for Price.
- Scenario C: Mixed rating, lower in all parameters except for Price.
- Scenario D: Mixed rating, lower in all parameters except for Price.
- Scenario E: Mixed rating, lower in all parameters except for Price.

Select the scenario that you believe is the most likely to succeed and explain your reasoning.

- Scenario A: Highest rating in all parameters except for Price.
- Scenario B: Lower rating in all parameters except for Price.
- Scenario C: Mixed rating, lower in all parameters except for Price.
- Scenario D: Mixed rating, lower in all parameters except for Price.
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