Project Proposal

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Topic: Best NBA Team Manager

1. Relevant facts about the decision maker

Each NBA team manager has to sign some free agents every offseason. However, it's usually not

easy to decide which free agent to sign since there are many uncertainties of the decision.

2. Decision maker's objectives

To sign the free agents that best fit the team. There are two major considerations for NBA team

managers, one is the economic profits the agents would bring, and the other is the team records

the agents would help improve. So there are two different models for the two considerations.

3. List of available decision options

• Position the agent plays (Center, Power Forward, Small Forward, Shooting Guard, and

Point Guard)

Past Statistics (Points, Rebounds, Assists, Steals, Blocks, Field Goals, Fouls, Turnovers)

Age and years played

• Team chemistry after signing the agent

Past injuries (odds to play a certain amount of matches)

Odds to have scandals (may affect team's performance)

Possibilities of willing to join the team

Here we regard all the options list above as uncertainties since the agent is totally new to the

team.

4. System description

This system is designed for 10 NBA team managers. Managers should be able to search the list of

all free agents with detailed information. The system also allows managers to specify which kind

of free agents he wants to sign such as positions and ages. There would be provided with 4

candidate free agents for each position based on the manager's requirement.

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