

# Moneyball

## a football player trading model

### Description:

Football is a sport that attracts millions of people. Behind the hot-blooded games, there's a huge professional business. During the 2016 summer transfer window, clubs from England, France, Germany, Italy, and Spain completed 1,504 incoming transfers and spent USD 2.75 billion in transfer fees. The Moneyball is a football player trading system that shows the detail of the business on different levels.

### Scope:

Multiple roles with different responsibilities, including boss, manager, scout, agent, coach, football player.

1. Coach: Determine the number and types of players that the team needs and send request to manager.
2. Manager: Send coach's request to his scouts and ask for available players. Select from the player list that they get from the scouts, and determine which to buy and send result to boss. Get ceiling price and floor price from the boss and negotiate with the other club's manager. And if the other club agree to this trade, manager decide the contract with the incoming player.
3. Scout: Select available football players from other clubs according to manager's requests and send evaluation to the manager.
4. Boss: The boss determine the price for buying in a player.
5. Agent: Select clubs and send a list to his player.
6. Football player: After the buyer club decide the contract, the player has to sign it to finish this trade.

### Conclusion:

The objective of Moneyball model is to benefit football organization employees by providing them with insightful information on the international transfer market. By exchanging and analyzing information, a team is able to discover the most valuable player to buy and players can make the best choice.