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CPE 103 – 05
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"Fantasy Basketball Snake Draft" User Guide

OVERVIEW

The Fantasy Basketball Snake Draft is a program that will help people interested in joining fantasy basketball leagues for the upcoming season practice on what players they should pick up. The amount of fantasy players can vary from 2 people to as much as 10, with up to 8 rounds of drafting. There is no salary cap but players will take turns each round, with each round alternating picks from the start to end of the player list and from the end to the start of the list.

When drafting, fantasy players can browse through player and team categories that include: Conferences, Divisions, Teams, All Players, Point Guards, Shooting Guards, Small Forwards, Power Forwards, and Centers. The default screen includes the category of the top 25 players in the league. As the turn player chooses a position category, the interface will print out a list of starting from the highest ranked player in their category to the lowest. As the turn player chooses a division category, the interface will print out a list of each team in the category in decreasing rank.

Players may only have up to 8 players per team. Each team must have one of each player position: point guard, shooting guard, small forward, power forward, and center. The other three players are utility players that can be of any position. Fantasy Players can only begin to choose utility players after filling up the five positions.

At the end of the draft, the interface will print out the results with each fantasy player name and the players on their team with their known player position, team, and statistics. The user will have the option to create a text file that has the results of the draft.

INPUT REQUIREMENTS

Fantasy players: Minimum 2, Maximum 10.
Rounds: Minimum 5 rounds.
Fantasy Player Names: The names of the players playing.
Player Name/Category: Enter player to add directly to team. Enter category to browse player options.
Text File: (Y) or (N) for a text file containing the results of the draft.

OUTPUT REQUIREMENTS

Title Screen: Display the title of the game and brief instructions.
Computer prompts:
- Number of Fantasy Players
- Number of Rounds
- Name of Fantasy Players
- Player Name or Category

o   Categories: Conferences, Divisions, Teams, All Players, Point Guards, Shooting Guards, Small Forwards, Power Forwards, and Centers
- Text file option

OPERATING INSTRUCTIONS
Program Startup
1. Launch the program from the command line by typing: `java FantasyBaksetballConsole`
The title screen will be displayed.

Beginning the Draft:
2. The computer will prompt the user for how many Fantasy Players are drafting or enter 'd' for default. Must press the Enter key before moving on. NOTE:
    2.1 Invalid if number more than 10.
    2.2 Invalid if number less than 2.
    2.3 Default: 4 players.
3. The computer will prompt the user for how many Rounds will there be in the draft or enter 'd' for default. NOTE:
    3.1 Invalid if number more than 8.
    3.2 Invalid if number less than 5.
    3.3 Default: 7 rounds.
4. The computer will prompt the user the name of each Fantasy Player playing as many times as it needs to. First and last name will suffice.
5. The computer will prompt the user if ready to begin the draft. NOTE:
    5.1 ('Y' or 'y') for yes to begin; ('N' or 'n') for no to the quit.
    5.2 Assumes user will only enter these two options.
6. Draft begins with the first Fantasy Player who entered their name.
7. Turn Fantasy Player begins at the main menu, prompted with the choices below. Can enter 'b' or 'back' to return to the main menu from within any of these categories (case not sensitive). A valid decision includes:

    7.1 Basketball Player: first and last name.
- First name MUST come before last name.
- Directly adds to team roster if VALID, and continues on to the next player/round.
  - Player choice INVALID if position already filled.
  - Player choice VALID if utility player pick (past Round 6).
- NOTE: Assumes user will only enter two words. Case not sensitive.

    7.2 'Conferences' Category: type 'c', 'conferences', or 'conferences'.
- MUST choose from the sub-categories of 'Eastern Conference' or 'Western Conference,' typing 'e' or 'eastern' for the Eastern Conference, or 'w' or 'western' for the Western Conference.
- After selecting, move down to the 'Division' category.
- NOTE: Assumes user will ONLY enter these explicit choices. Case not sensitive.

    7.3 'Divisions' Category: type 'd', 'division', or 'divisions'. This category is a sub-category of 'Conferences'. Choices vary depending on which Conference category

chosen. If in Division category directly from the main menu, all Divisions are available for choosing.

- Under 'Eastern Conference', Division categories include:
  - 'Atlantic': type 'a' or 'Atlantic' to select.
  - 'Central': type 'c' or 'Central' to select.
  - 'Southeast': type 's' or 'Southeast' to select.
- Under 'Western Conference', Division categories include:
  - 'Southwest': type 's' or 'Southwest' to select.
  - 'Northwest': type 'n' or 'Northwest' to select.
  - 'Pacific': type 'p' or 'Pacific' to select.
- NOTE: Assumes user will ONLY enter these explicit choices. Case not sensitive.

7.4 'Teams' Category: type 't', 'team', or 'teams'. This category is a sub-category of 'Divisions'. Choices vary depending on which Division category chosen. If in Team category directly from the main menu, all Teams are available for choosing. To select, enter full team name (city and name, e.g. 'Sacramento Kings') or just the name of the team (e.g. 'Kings'). After selecting a team, the players will be displayed in alphabetical order.

- Under 'Atlantic' Division, Team options include:
  - 'Boston Celtics'
  - 'Brooklyn Nets'
  - 'New York Knicks'
  - 'Philadelphia 76ers'
  - 'Toronto Raptors'
- Under 'Central' Division, Team options include:
  - 'Chicago Bulls'
  - 'Cleveland Cavaliers'
  - 'Detroit Pistons'
  - 'Indiana Pacers'
  - 'Milwaukee Bucks'
- Under 'Southeast' Division, Team options include:
  - 'Atlanta Hawks'
  - 'Charlotte Bobcats'
  - 'Miami Heat'
  - 'Orlando Magic'
  - 'Washington Wizards'
- Under 'Southwest' Division, Team options include:
  - 'Dallas Mavericks'
  - 'Houston Rockets'
  - 'Memphis Grizzlies'
  - 'New Orleans Pelicans'
  - 'San Antonio Spurs'
- Under 'Northwest' Division, Team options include:
  - 'Denver Nuggets'
  - 'Minnesota Timberwolves'
  - 'Portland Trail Blazers'

- o 'Oklahoma City Thunder'
- o 'Utah Jazz'
- • Under 'Pacific' Division, Team options include:
  - o 'Golden State Warriors'
  - o 'Los Angeles Clippers'
  - o 'Los Angeles Lakers'
  - o 'Phoenix Suns'
  - o 'Sacramento Kings'
- • NOTE: Assumes user will ONLY enter these explicit choices. Case not sensitive.

7.5 'All Players': type 'all' or 'All Players' to select. Displays the top 25 available players in the whole league. Can decide to display the next 25 players by entering 'next'. Choose a player the same way as in 7.1.

7.7 'Point Guards': type 'pg' or 'Point Guards' to select. Displays the top 25 available Point Guards in the whole league. Can decide to display the next 25 players by entering 'next' Choose a player the same way as in 7.1.

7.8 'Shooting Guards': type 'sg' or 'Shooting Guards' to select. Displays the top 25 available Shooting Guards in the whole league. Can decide to display the next 25 players by entering 'next'. Choose a player the same way as in 7.1.

7.9 'Small Forwards': type 'sf' or 'Small Forwards' to select. Displays the top 25 available Small Forwards in the whole league. Can decide to display the next 25 players by entering 'next'. Choose a player the same way as in 7.1.

7.10 'Power Forwards': type 'pf' or 'Power Forwards' to select. Displays the top 25 available Small Forwards in the whole league. Can decide to display the next 25 players by entering 'next'. Choose a player the same way as in 7.1.

7.11 'Centers': type 'c' or 'Centers' to select. Displays the top 25 available Centers in the whole league. Can decide to display the next 25 players by entering 'next'. Choose a player the same way as in 7.1.

8. The computer will display when a round is over. The next round will begin with the player who picked last, then the person who picked right before, etc.

Draft Ends
9. When the last round ends, the results of the draft will be displayed. Shows the name of the Fantasy Player and the players on their team in order of round pick. Next to the player name will be their team, position, and average statistics.
10. Computer prompts user if would like a text file to be created within the same directory of the draft results, printed out the same way at the end of the draft.
- • Default file name: 'DraftResults.txt'.