Chris Nosowitz   Final Project Writeup

Abstract: This program displays a player on the NHL team New York Islanders seasonal stats.

Introduction: I got the idea for this program from a YouTube channel's Discord server. The manager of the Discord server added a feature that allowed the user to access an NHL player's seasonal stats just by typing the name of the player in one of the chat rooms. I wanted to emulate that program or come very close to it.

Detailed System Description: This program asks the user to enter a player on the NHL team New York Islanders name. The program then interacts with the Official New York Islanders Stats website and retrieves the table of players with their stats and writes it to a text file. The file is then read by the program. Since the file is displayed as one long string, it needs to be broken up into smaller strings to be displayed. Those strings are then stored in an Array List. The user input of the player's last name is then compared to the last name at the current position. If the two matches up, the stats (i.e. goals, assists, points etc.) are then printed out to the user with heading to indicate the specific stats. This information is then displayed to the user with the name of the player.

NHL_STATS_READER
+ .next() : String
+ .connect(): Weblink
+ .get(): HTML
+ .write(): Text
+ .close(): Text
+ .readLine(): Text
+ .hasMoreTokens(): String
+ .add(): String
+ .nextToken(): String
+ .equals(): String
+ .close(): Text

Requirements: The access of the website and the display of the player's stats

Literature Survey: None

User Manual: The user enters the name of an New York Islanders player (i.e. Mat Barzal)

Conclusion: This program displays a New York Islanders player's seasonal stats by interacting with the Official New York Islanders Stats website.

References/Bibliography: Stack Exchange and an Upper-Level Computer Science student with knowledge of Java.