User Manual

User Manual
Football Frenzy

This program stores football standings as read in from a file. The user is able to edit the standings by adding teams, deleting teams, simulating games and editing existing teams. The edited standings can then be output to another file for storage. This output file can then be read back into the program to update the standings again.

1.   Executing the Program

Turn on and boot your computer.

Insert the flash drive containing the program file Project2.exe in the appropriate drive. (We will assume it is the A drive, but it could be any drive. Substitute the appropriate letter where you see a:)
Enter the following at the prompt.

a:Project1

The title screen will appear, along with a prompt allowing you to input the name of the file to read into the program.

2.   Input

2.1   Input Requirements
The input file must be tab separated in the format

		total		home	away	division	conference	
Team Name	wins	losses	ties	wins-losses-ties	wins-losses-ties	wins-losses-ties	wins-losses-ties	division#

All of the main menu options require you to enter an integer associated with an option. The number will be next to the option it performs. Adding, deleting, and editing a team, as well as simulating a game require you to type in the name of the team or teams. Adding a team allows for any team name as long as the name is less than 30 characters long. Deleting, editing, and simulating require you to input a name already in the standings exactly as is, including any capital letters and spaces. Scores and records will be prompted for and require integer inputs.

2.2   Input Restrictions
A number not associated with an option, or a letter will reprompt you to input number for an option. Adding a team will not allow you to input the name of a team already listed in the standings. Deleting or editing a team will not allow you to input a team not listed in the standings. Simulating a game will not allow for the two team names to be the same or not listed in the standings. None of the input is allowed to be blank.

3.   Output
The output will be a printed line telling you what actions have been taken, as well as the main menu. An option allows you to output the standings list onto the screen.

Example Run

Enter the file with the teams information: NFL_standings_10162018.tsv
NFL_standings_10162018.tsv successfully loaded.

1. View the list of teams.
2. Add a team.
3. Delete a team.
4. Play a game.
5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:1

American Football Conference

AFC East	W	L	T	PCT	HOME	ROAD	DIV	CONF
Miami Dolphins	4	2	0	.667	3-0-0	1-2-0	1-1-0	3-2-0
New England Patriots	4	2	0	.667	4-0-0	0-2-0	1-0-0	4-1-0
New York Jets	3	3	0	.500	2-1-0	1-2-0	0-1-0	2-3-0
Buffalo Bills	2	4	0	.333	1-1-0	1-3-0	0-0-0	1-3-0

AFC North	W	L	T	PCT	HOME	ROAD	DIV	CONF
Baltimore Ravens	4	2	0	.667	2-0-0	2-2-0	1-2-0	4-2-0
Cincinnati Bengals	4	2	0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Pittsburgh Steelers	3	2	1	.500	1-2-0	2-0-1	1-1-1	1-2-1
Cleveland Browns	2	3	1	.333	2-1-1	0-2-0	1-0-1	2-2-1

AFC South	W	L	T	PCT	HOME	ROAD	DIV	CONF
Houston Texans	3	3	0	.500	2-1-0	1-2-0	1-1-0	2-2-0
Jacksonville Jaguars	3	3	0	.500	2-1-0	1-2-0	0-1-0	2-2-0
Tennessee Titans	3	3	0	.500	2-1-0	1-2-0	2-0-0	2-3-0
Indianapolis Colts	1	5	0	.167	0-2-0	1-3-0	0-1-0	0-4-0

AFC West	W	L	T	PCT	HOME	ROAD	DIV	CONF
Kansas City Chiefs	5	1	0	.833	2-0-0	3-1-0	2-0-0	4-1-0
Los Angeles Chargers	4	2	0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Denver Broncos	2	4	0	.333	2-2-0	0-2-0	1-1-0	1-3-0
Oakland Raiders	1	5	0	.167	1-2-0	0-3-0	0-2-0	1-3-0

National Football Conference

NFC East	W	L	T	PCT	HOME	ROAD	DIV	CONF
Washington Redskins	3	2	0	.600	2-1-0	1-1-0	0-0-0	3-1-0

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Dallas Cowboys           3 3 0  .500    3-0-0  0-3-0  1-0-0  2-2-0
Philadelphia Eagles      3 3 0  .500    2-1-0  1-2-0  1-0-0  2-2-0
New York Giants          1 5 0  .167    0-3-0  1-2-0  0-2-0  0-4-0
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NFC North	W	L	T	PCT	HOME	ROAD	DIV	CONF
Chicago Bears	3	2	0	.600	2-0-0	1-2-0	0-1-0	3-1-0
Green Bay Packers	3	2	1	.500	3-0-1	0-2-0	1-1-1	2-2-1
Minnesota Vikings	3	2	1	.500	2-1-0	1-1-1	0-0-1	3-1-1
Detroit Lions	2	3	0	.400	2-1-0	0-2-0	1-0-0	1-2-0

NFC South	W	L	T	PCT	HOME	ROAD	DIV	CONF
New Orleans Saints	4	1	0	.800	2-1-0	2-0-0	1-1-0	3-1-0
Carolina Panthers	3	2	0	.600	3-0-0	0-2-0	0-1-0	2-2-0
Tampa Bay Buccaneers	2	3	0	.400	1-1-0	1-2-0	1-1-0	2-2-0
Atlanta Falcons	2	4	0	.333	2-2-0	0-2-0	2-1-0	2-2-0

NFC West	W	L	T	PCT	HOME	ROAD	DIV	CONF
Los Angeles Rams	6	0	0	1.000	3-0-0	3-0-0	2-0-0	3-0-0
Seattle Seahawks	3	3	0	.500	1-1-0	2-2-0	1-1-0	2-2-0
Arizona Cardinals	1	5	0	.167	0-3-0	1-2-0	1-2-0	1-5-0
San Francisco 49ers	1	5	0	.167	1-1-0	0-4-0	0-1-0	1-3-0

1. View the list of teams.
2. Add a team.
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9. Exit.
Make a selection:2

Enter the name of the team to add (-1 to cancel): Dublin Irish
1. AFC East
2. AFC North
3. AFC South
4. AFC West
5. NFC East
6. NFC North
7. NFC South
8. NFC West
9. Cancel adding Dublin Irish
Please enter the division the team is in: 7
Does this team have en existing record you would like to enter? (y/n): n
Dublin Irish added to the standings.

American Football Conference

AFC East	W	L	T	PCT	HOME	ROAD	DIV	CONF
Miami Dolphins	4	2	0	.667	3-0-0	1-2-0	1-1-0	3-2-0
New England Patriots	4	2	0	.667	4-0-0	0-2-0	1-0-0	4-1-0
New York Jets	3	3	0	.500	2-1-0	1-2-0	0-1-0	2-3-0
Buffalo Bills	2	4	0	.333	1-1-0	1-3-0	0-0-0	1-3-0

AFC North	W	L	T	PCT	HOME	ROAD	DIV	CONF
Baltimore Ravens	4	2	0	.667	2-0-0	2-2-0	1-2-0	4-2-0
Cincinnati Bengals	4	2	0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Pittsburgh Steelers	3	2	1	.500	1-2-0	2-0-1	1-1-1	1-2-1
Cleveland Browns	2	3	1	.333	2-1-1	0-2-0	1-0-1	2-2-1

AFC South	W	L	T	PCT	HOME	ROAD	DIV	CONF
Houston Texans	3	3	0	.500	2-1-0	1-2-0	1-1-0	2-2-0
Jacksonville Jaguars	3	3	0	.500	2-1-0	1-2-0	0-1-0	2-2-0
Tennessee Titans	3	3	0	.500	2-1-0	1-2-0	2-0-0	2-3-0
Indianapolis Colts	1	5	0	.167	0-2-0	1-3-0	0-1-0	0-4-0

AFC West	W	L	T	PCT	HOME	ROAD	DIV	CONF
Kansas City Chiefs	5	1	0	.833	2-0-0	3-1-0	2-0-0	4-1-0
Los Angeles Chargers	4	2	0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Denver Broncos	2	4	0	.333	2-2-0	0-2-0	1-1-0	1-3-0
Oakland Raiders	1	5	0	.167	1-2-0	0-3-0	0-2-0	1-3-0

National Football Conference

NFC East	W	L	T	PCT	HOME	ROAD	DIV	CONF
Washington Redskins	3	2	0	.600	2-1-0	1-1-0	0-0-0	3-1-0
Dallas Cowboys	3	3	0	.500	3-0-0	0-3-0	1-0-0	2-2-0
Philadelphia Eagles	3	3	0	.500	2-1-0	1-2-0	1-0-0	2-2-0
New York Giants	1	5	0	.167	0-3-0	1-2-0	0-2-0	0-4-0

NFC North	W	L	T	PCT	HOME	ROAD	DIV	CONF

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Chicago Bears             3 2 0  .600    2-0-0  1-2-0  0-1-0  3-1-0
Green Bay Packers         3 2 1  .500    3-0-1  0-2-0  1-1-1  2-2-1
Minnesota Vikings         3 2 1  .500    2-1-0  1-1-1  0-0-1  3-1-1
Detroit Lions           2 3 0  .400    2-1-0  0-2-0  1-0-0  1-2-0

NFC South              W L T  PCT    HOME   ROAD   DIV   CONF
New Orleans Saints        4 1 0  .800    2-1-0  2-0-0  1-1-0  3-1-0
Carolina Panthers         3 2 0  .600    3-0-0  0-2-0  0-1-0  2-2-0
Tampa Bay Buccaneers      2 3 0  .400    1-1-0  1-2-0  1-1-0  2-2-0
Atlanta Falcons         2 4 0  .333    2-2-0  0-2-0  2-1-0  2-2-0
Dublin Irish           0 0 0  .000    0-0-0  0-0-0  0-0-0  0-0-0

NFC West               W L T  PCT    HOME   ROAD   DIV   CONF
Los Angeles Rams          6 0 0  1.000   3-0-0  3-0-0  2-0-0  3-0-0
Seattle Seahawks         3 3 0  .500    1-1-0  2-2-0  1-1-0  2-2-0
Arizona Cardinals        1 5 0  .167    0-3-0  1-2-0  1-2-0  1-5-0
San Francisco 49ers       1 5 0  .167    1-1-0  0-4-0  0-1-0  1-3-0
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1. View the list of teams.
2. Add a team.
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9. Exit.
Make a selection:3

Enter the name of the team to delete (-1 to cancel): Seattle Seahawks
Seattle Seahawks deleted from the standings.

1. View the list of teams.
2. Add a team.
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5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:4

Enter the name of the home team (-1 to cancel): Buffalo Bills
Enter the name of the away team (-1 to cancel): New York Jets

Please enter the home team score: 21
Please enter the away team score: 3
Buffalo Bills wins.

1. View the list of teams.
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3. Delete a team.
4. Play a game.
5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:5

Enter the name of the team to edit (-1 to cancel): New England Patriots
Please enter the total wins: 0
Please enter the total losses: 2
Please enter the total ties: 0
Please enter the home wins: 0
Please enter the home losses: 2
Please enter the home ties: 0
Please enter the away wins: 0
Please enter the away losses: 0
Please enter the away ties: 0
Please enter the division wins: 0
Please enter the division losses: 1
Please enter the division ties: 0
Please enter the conference wins: 0
Please enter the conference losses: 1
Please enter the conference ties: 0

1. View the list of teams.
2. Add a team.
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5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:1

American Football Conference

AFC East	W L T	PCT	HOME	ROAD	DIV	CONF
Miami Dolphins	4 2 0	.667	3-0-0	1-2-0	1-1-0	3-2-0
Buffalo Bills	3 4 0	.429	2-1-0	1-3-0	1-0-0	2-3-0
New York Jets	3 4 0	.429	2-1-0	1-3-0	0-2-0	2-4-0
New England Patriots	0 2 0	.000	0-2-0	0-0-0	0-1-0	0-1-0

AFC North	W L T	PCT	HOME	ROAD	DIV	CONF
Baltimore Ravens	4 2 0	.667	2-0-0	2-2-0	1-2-0	4-2-0
Cincinnati Bengals	4 2 0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Pittsburgh Steelers	3 2 1	.500	1-2-0	2-0-1	1-1-1	1-2-1
Cleveland Browns	2 3 1	.333	2-1-1	0-2-0	1-0-1	2-2-1

AFC South	W L T	PCT	HOME	ROAD	DIV	CONF
Houston Texans	3 3 0	.500	2-1-0	1-2-0	1-1-0	2-2-0
Jacksonville Jaguars	3 3 0	.500	2-1-0	1-2-0	0-1-0	2-2-0
Tennessee Titans	3 3 0	.500	2-1-0	1-2-0	2-0-0	2-3-0
Indianapolis Colts	1 5 0	.167	0-2-0	1-3-0	0-1-0	0-4-0

AFC West	W L T	PCT	HOME	ROAD	DIV	CONF
Kansas City Chiefs	5 1 0	.833	2-0-0	3-1-0	2-0-0	4-1-0
Los Angeles Chargers	4 2 0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Denver Broncos	2 4 0	.333	2-2-0	0-2-0	1-1-0	1-3-0
Oakland Raiders	1 5 0	.167	1-2-0	0-3-0	0-2-0	1-3-0

National Football Conference

NFC East	W L T	PCT	HOME	ROAD	DIV	CONF
Washington Redskins	3 2 0	.600	2-1-0	1-1-0	0-0-0	3-1-0
Dallas Cowboys	3 3 0	.500	3-0-0	0-3-0	1-0-0	2-2-0
Philadelphia Eagles	3 3 0	.500	2-1-0	1-2-0	1-0-0	2-2-0
New York Giants	1 5 0	.167	0-3-0	1-2-0	0-2-0	0-4-0

NFC North	W L T	PCT	HOME	ROAD	DIV	CONF
Chicago Bears	3 2 0	.600	2-0-0	1-2-0	0-1-0	3-1-0
Green Bay Packers	3 2 1	.500	3-0-1	0-2-0	1-1-1	2-2-1
Minnesota Vikings	3 2 1	.500	2-1-0	1-1-1	0-0-1	3-1-1
Detroit Lions	2 3 0	.400	2-1-0	0-2-0	1-0-0	1-2-0

NFC South	W L T	PCT	HOME	ROAD	DIV	CONF
New Orleans Saints	4 1 0	.800	2-1-0	2-0-0	1-1-0	3-1-0
Carolina Panthers	3 2 0	.600	3-0-0	0-2-0	0-1-0	2-2-0
Tampa Bay Buccaneers	2 3 0	.400	1-1-0	1-2-0	1-1-0	2-2-0
Atlanta Falcons	2 4 0	.333	2-2-0	0-2-0	2-1-0	2-2-0
Dublin Irish	0 0 0	.000	0-0-0	0-0-0	0-0-0	0-0-0

NFC West	W L T	PCT	HOME	ROAD	DIV	CONF
Los Angeles Rams	6 0 0	1.000	3-0-0	3-0-0	2-0-0	3-0-0
Arizona Cardinals	1 5 0	.167	0-3-0	1-2-0	1-2-0	1-5-0

San Francisco 49ers   1 5 0 .167   1-1-0   0-4-0   0-1-0   1-3-0

1. View the list of teams.
2. Add a team.
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6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:6

Enter the date: 11082018
Results written to NFL_standings_11082018.tsv

1. View the list of teams.
2. Add a team.
3. Delete a team.
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5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:7

Enter the name of the file with the teams information: NFL_standings_11082018.tsv
NFL_standings_11082018.tsv successfully loaded.

1. View the list of teams.
2. Add a team.
3. Delete a team.
4. Play a game.
5. Edit a team.
6. Output results.
7. Read in a different file.
8. Print the title.
9. Exit.
Make a selection:1

American Football Conference

AFC East	W	L	T	PCT	HOME	ROAD	DIV	CONF
Miami Dolphins	4	2	0	.667	3-0-0	1-2-0	1-1-0	3-2-0
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New York Jets	3	4	0	.429	2-1-0	1-3-0	0-2-0	2-4-0
New England Patriots	0	2	0	.000	0-2-0	0-0-0	0-1-0	0-1-0

AFC North	W	L	T	PCT	HOME	ROAD	DIV	CONF
Baltimore Ravens	4	2	0	.667	2-0-0	2-2-0	1-2-0	4-2-0
Cincinnati Bengals	4	2	0	.667	2-1-0	2-1-0	1-1-0	3-1-0
Pittsburgh Steelers	3	2	1	.500	1-2-0	2-0-1	1-1-1	1-2-1
Cleveland Browns	2	3	1	.333	2-1-1	0-2-0	1-0-1	2-2-1

AFC South	W	L	T	PCT	HOME	ROAD	DIV	CONF
Houston Texans	3	3	0	.500	2-1-0	1-2-0	1-1-0	2-2-0
Jacksonville Jaguars	3	3	0	.500	2-1-0	1-2-0	0-1-0	2-2-0
Tennessee Titans	3	3	0	.500	2-1-0	1-2-0	2-0-0	2-3-0
Indianapolis Colts	1	5	0	.167	0-2-0	1-3-0	0-1-0	0-4-0

AFC West	W	L	T	PCT	HOME	ROAD	DIV	CONF
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Oakland Raiders	1	5	0	.167	1-2-0	0-3-0	0-2-0	1-3-0

National Football Conference

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Dallas Cowboys	3	3	0	.500	3-0-0	0-3-0	1-0-0	2-2-0
Philadelphia Eagles	3	3	0	.500	2-1-0	1-2-0	1-0-0	2-2-0
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Green Bay Packers	3	2	1	.500	3-0-1	0-2-0	1-1-1	2-2-1
Minnesota Vikings	3	2	1	.500	2-1-0	1-1-1	0-0-1	3-1-1
Detroit Lions	2	3	0	.400	2-1-0	0-2-0	1-0-0	1-2-0

NFC South	W	L	T	PCT	HOME	ROAD	DIV	CONF
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Carolina Panthers	3	2	0	.600	3-0-0	0-2-0	0-1-0	2-2-0
Tampa Bay Buccaneers	2	3	0	.400	1-1-0	1-2-0	1-1-0	2-2-0
Atlanta Falcons	2	4	0	.333	2-2-0	0-2-0	2-1-0	2-2-0
Dublin Irish	0	0	0	.000	0-0-0	0-0-0	0-0-0	0-0-0

NFC West	W	L	T	PCT	HOME	ROAD	DIV	CONF
Los Angeles Rams	6	0	0	1.000	3-0-0	3-0-0	2-0-0	3-0-0
Arizona Cardinals	1	5	0	.167	0-3-0	1-2-0	1-2-0	1-5-0

San Francisco 49ers   1 5 0 .167   1-1-0   0-4-0   0-1-0   1-3-0

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Make a selection:9

Press any key to continue . . .