

### **Use Case #1:**

Application: NFL Data Table Project

Use Case Name: Fan goes to the Help page and sorts Display Conference

Use Case Description: A football fan doesn't know how to find the Display Conference data he wants, so he goes to the Help section to learn before going there himself.

Primary Actor: Football fan (Jimmy)

Precondition: Program has to be functioning.

Trigger: Football fan gets curious about how old the American Football Conference is.

Basic Flow: A football fan wants to see which American Football Conference was created first, but doesn't know how to find it. They go to the Help page, and if they understand, they will then go to the Display Conference tab to sort by American Football Conference. They sort by Seating Capacity and if they click once, the system will sort from earliest date to nearest date.

Alternate Flow: The original file is immediately corrupted and the data table fails to load, so when the fan wants to sort a conference by date, nothing appears, and they end up quitting. The program may also fail to open entirely. The fan may also not be able to understand the Help page and may not be able to navigate to the Display Conference tab.

### **Use Case #2:**

Application: NFL Data Table Project

Use Case Name: Admin Loads an Updated NFL List

Use Case Description: An administrator wants to add data to the current data table, so they will login and upload the file, and will check the original and updated list.

Primary Actor: Administrator

Precondition: Program has to be functioning.

Trigger: The administrator receives new data on the NFL, and contractually needs to update the list.

Basic Flow: The administrator runs the program. They click the menu tab, and press the login button. They enter the password that only administrators should know. The admin tab reveals itself, and the administrator clicks on the Load New Entries button. They search their file

explorer for the correct .csv file, and upload it. The program accepts it and loads the updated list into a separate area, and displays it on the home page as well as the Show Updated List tab.

Alternate Flow: The .csv file is corrupted or is in the incorrect format. In this case, the program displays a popup stating that it is invalid input, and the program will discard the uploaded file and won't update anything. If the administrator tries to upload a larger file, a similar error message will occur. If the administrator enters an incorrect password, a popup will notify them that it is incorrect.

### **Use Case #3:**

Application: NFL Data Table Project

Use Case Name: User Sorts List by Surface Type

Use Case Description: A user wants to see all the stadiums that have FieldTurf Classic HD surface types, so they will navigate from the home page and sort by surface type.

Primary Actor: Football fan

Precondition: Program has to be functioning.

Trigger: Football fan gets curious about surface types.

Basic Flow: The football fan runs the program. As soon as it runs, they click on Surface Type to sort the stadiums by the surface types. By clicking it once, the data table sorts the Surface Types in alphabetical order, and they can locate the type they were looking for.

Alternate Flow: An error that could occur could be the data table incorrectly sorting the Surface Types, or the program may not be able to run. In these cases, the fan may give up and exit the program.