

CSIS 3280 – Lab 05 – Team Roster

Visual Studio Code

1. Download the lab template from Blackboard
2. Extract it
3. Fill in the relevant code to create the solution and meet the requirements

Solution

The flow of the program is as follows:

1. The user will be prompted to upload a CSV file. When the file is uploaded the roster will be displayed with the players sorted by player number and a count at the bottom, please see the appendix.

Requirements:

2. By default, the app will sort the team members by last name.
3. The team will display a total of the number of player objects it contains when printed
4. The CSV file will be parsed into Player objects
5. The player objects will all be added to a team
6. The HTML form will prompt the user to upload a CSV file (you will use data/orioles.csv)
7. Your code must only be using classes (except for the controller file)
8. You must use a try/catch clause any time you are the data file
9. You must close your file handle when you are finished with the file.
10. You must not leave any errors on the page.

Files and Template

The following classes and respective files are required for this lab:

Class Name	File Name	Description
Player	inc/player.class.php	Contains the Player class, must have a constructor and toString methods.
Team	inc/team.class.php	Contains the team with storage for the players in the team
FileAgent	inc/FileAgent.class.php	This is the static utility class for getting the file contents
TeamParser	inc/TeamParser.class.php	This is a utility class for parsing the CSV file
Page	inc/Page.class.php	This is the static Page class that is used to display parts of the page (and HTML) to the browser.

Hints:

- Refer to the demo code for Week 6.
- Remember you should not have any errors, warnings, or info messages in your application
- You must not have any logic that should be handled by your classes in the controller file.

- Keep a clean separation between the view and the controller.
- Ensure you use the appropriate class types.
- Search the Internet to figure out how usort is called inside a class.

Appendix:

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Orioles

Player No.	First Name	Last Name	Position	Bats	Throw	Age	Height	Weight	BirthPlace
24	Pedro	Alvarez	1B	L	R	31	43254	235	Santo Domingo - Dominican Republic
38	Pedro	Araujo	RP	R	R	24	43254	215	San Cristobal - Dominican Republic
48	Richard	Bleier	RP	L	L	31	43254	215	Davie - FL
35	Brad	Brach	RP	R	R	32	43257	215	Freehold - NJ
37	Dylan	Bundy	SP	B	R	25	43252	200	Owasso - OK
54	Andrew	Cashner	SP	R	R	31	43257	235	Conroe - TX
50	Miguel	Castro	RP	R	R	23	43258	205	La Romana - Dominican Republic
17	Alex	Cobb	SP	R	R	30	43254	205	Boston - MA
19	Chris	Davis	1B	L	R	32	43254	230	Dallas - TX
34	Kevin	Gausman	SP	L	R	27	43254	190	Centennial - CO
14	Craig	Gentry	RF	R	R	34	43253	190	Fort Smith - AR
60	Mychal	Givens	RP	R	R	28	36678	210	Tampa - FL
41	David	Hess	RP	R	R	24	43253	180	Tullahoma - TN
10	Adam	Jones	CF	R	R	32	43253	225	San Diego - CA
13	Manny	Machado	SS	R	R	25	43254	180	Miami - FL
16	Trey	Mancini	LF	R	R	26	43255	215	Winter Haven - FL
56	Darren	O'Day	RP	R	R	35	43255	220	Smyrna - GA
29	Jace	Peterson	2B	L	R	28	36678	210	Lake Charles - LA
28	Colby	Rasmus	LF	L	L	31	43253	195	Columbus - GA
23	Joey	Rickard	RF	R	L	27	43252	185	Las Vegas - NV
3	Luis	Sardinas	SS	B	R	25	43252	150	Ciudad Bolivar - Venezuela
6	Jonathan	Schoop	2B	R	R	26	43252	225	Curacao - Netherland Antilles
66	Tanner	Scott	RP	R	L	23	43253	220	Mogadore - OH
15	Chance	Sisco	C	L	R	23	43253	195	Corona - CA
30	Chris	Tillman	SP	R	R	30	43256	200	Fountain Valley - CA
45	Mark	Trumbo	DH	R	R	32	43255	225	Anaheim - CA
2	Danny	Valencia	3B	R	R	33	43253	210	Miami - FL
43	Mike	Wright	RP	R	R	28	43257	215	Laurinburg - NC
82	Austin	Wynns	C	R	R	27	43253	205	San Diego - CA

Total Player Count: 29.

Browse... No file selected.

Submit Query

STOP! - This is a pre-assignment submission checklist!

- Did you remove any **debug output such as var_dump**
 - Is your submission clear of any **ORANGE** output from XDebug (Warnings, Info or Errors)?
 - Did you follow the naming convention for your files?!
 - Did you follow the naming convention for your folder?!
 - Does your submission work on a lab computer?!
 - Double check **before** submitting
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