

To get a passing grade you'll need to submit a project that meets the following requirements. If your project receives a "Needs Work" rating on any of these tasks, then you'll need to edit your project and re-submit it until it "Meets" or "Exceeds" each task requirement.

| Info | Needs Work | Meets Expectations | Exceeds Expectations |
|------------------------------|--|--|---|
| Script filename | File was not named app.py or application.py. | Create a file name app.py or application.py which contains the entry point to start your program logic. | N/A |
| Use the provided data | The players' data from constants.py was not used in the program. | Import and use the data from constants.py in your program | N/A |
| Script execution | The script crashed early due to an uncaught exception. | The script should not crash due to uncaught exceptions. Raised exceptions should be handled appropriately so the program can continue or exit without a crash. | N/A |
| Proper use of Dunder Main | Logic such as function calls, print statements were outside of the dunder main statement, which cause code to run if imported into another script. | Function calls, print statements, or any calculated execution logic should be wrapped inside a Dunder Main statement for your script. | N/A |
| | | NOTE: This does not mean everything written has to be contained within Dunder Main. You can extract code out to functions, which can be outside dunder main. | |
| Clean up data | The height was not converted to an integer. | The player data imported from constants.py needs to be cleaned up and stored in new data types in a structure that makes sense: | Additionally clean: |
| | | The experienced was not converted to a boolean of True or False. | Convert the following data: |
| | | | the guardians string so that it becomes a List of strings. Remove the and between the names and storing each guardian in a List together for that player. |
| | | The height string should be an integer | |
| | | The experienced string should become a boolean of: True if YES or False if NO. | |
| Team balancing | Teams were not evenly balanced | Assign players to each team so the teams are evenly balanced by total players. | Also balance players in a way that also ensures teams have equal numbers of experienced vs inexperienced players |
| | | The same player was assigned to more than 1 team. | Teams still must be balanced with the same number of players. |
| | | The order in which you assign the players do not matter but should be balanced when team assignment is finished. | |
| | | The same player cannot be assigned to multiple teams. | Each team should have the same number of experienced vs. experienced players. |
| Avoid altering imported data | The data was modified/mutated directly instead of creating a new data structure to store the cleaned data inside. | Do not modify or mutate the imported data from constants.py in any way. | N/A |
| | | HINT: You will want to iterate over this data and create a new data structure to hold your cleaned data. | |
| Create a menu | No menu options are shown and/or unable to give input to make a choice in for the menu options. | As a user, I should be able to respond to a menu with each of the following options: | The user should be re-prompted with the main menu until they decide to "Quit the program". |
| | | Display a given teams stats | |
| | | Quit the program | |
| | | Actual names of the displayed options are up to you but must make sense. | |
| Display Stats | Team stats did not display one of the following: | Team stats should display: | Team stats should additionally display: |
| | | Team's name | Total number of inexperienced players |
| | | Total number of players on that team | Total number of experienced players |
| | | The player names of that team joined together as a comma separated string not displayed as a List object. | Average height of the team |
| | | The formatting you use to display is up to you, though should be readable using spacing. | The guardian names of all the players on the team (joined together as a comma-separated string not displayed as a List object). |
| | | | Math formula for average height: (sum of all the heights) / (total players) |