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Professor Williams

IS 601 001

24 November 2020

Web App HW Part 3

Repository Link:

<https://github.com/mjdroz/WebAppHW/tree/newData-part3>

With permission from TA Kaustav Bhattacharjee, I did my homework on a separate branch in the same repo as parts 1 and 2.

Part A:

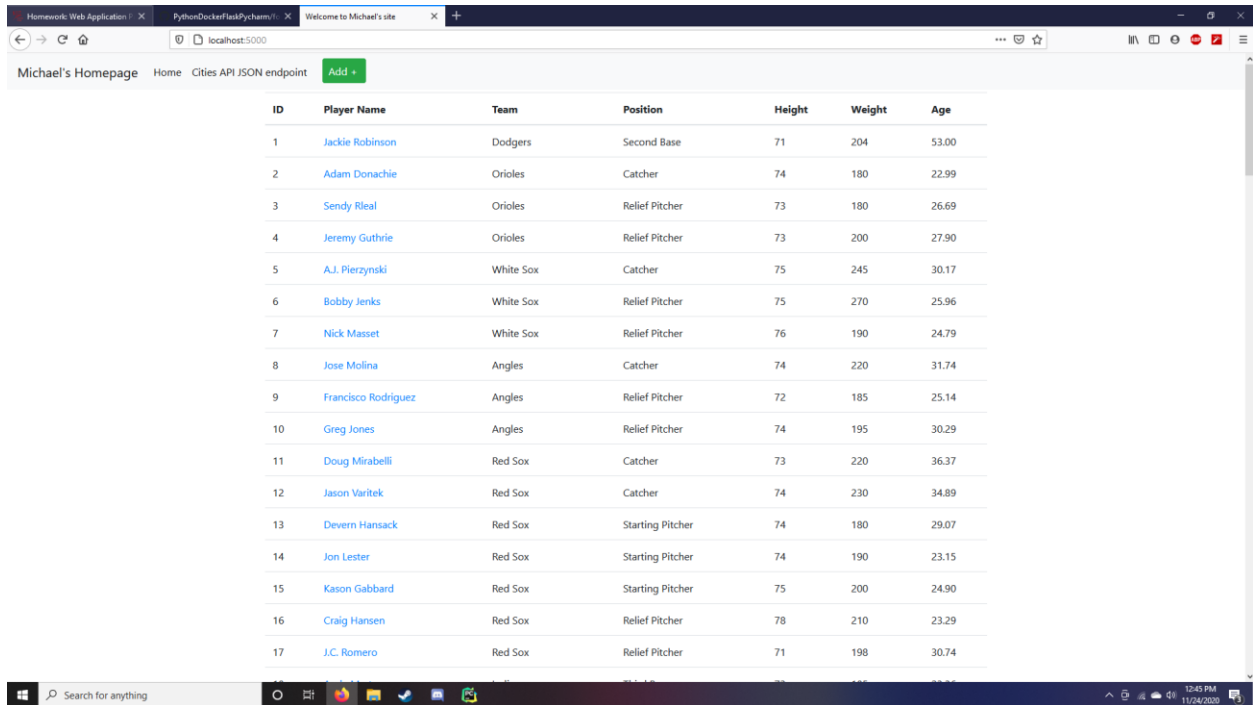
Data tables in PyCharm:

The screenshot shows the PyCharm IDE interface. The main window displays a table of MLB players with the following columns: id, plName, plTeam, plPosition, plHeight, plWeight, and plAge. The table contains 24 rows of data, including players like Jackie Robinson, Adam Donachie, and Bobby Jenks. The bottom panel shows the Services tab with a list of services including Docker, Compose, and Containers. The bottom status bar indicates that 100 rows were retrieved starting from 1 in 201 ms (execution: 21 ms, fetching: 180 ms).

| id | plName | plTeam | plPosition | plHeight | plWeight | plAge |
|----|---------------------|-----------|------------------|----------|----------|-------|
| 1 | Jackie Robinson | Dodgers | Second Base | 71 | 204 | 53.00 |
| 2 | Adam Donachie | Orioles | Catcher | 74 | 188 | 22.99 |
| 3 | Sandy Rifeal | Orioles | Relief Pitcher | 73 | 188 | 26.49 |
| 4 | Jeremy Guthrie | Orioles | Relief Pitcher | 73 | 200 | 27.98 |
| 5 | A.J. Pierzynski | White Sox | Catcher | 75 | 245 | 38.17 |
| 6 | Bobby Jenks | White Sox | Relief Pitcher | 75 | 270 | 25.96 |
| 7 | Nick Hassett | White Sox | Relief Pitcher | 76 | 190 | 24.79 |
| 8 | Jose Molina | Angles | Catcher | 74 | 220 | 31.74 |
| 9 | Francisco Rodriguez | Angles | Relief Pitcher | 72 | 185 | 25.14 |
| 10 | Greg Jones | Angles | Relief Pitcher | 74 | 195 | 38.29 |
| 11 | Doug Mirabelli | Red Sox | Catcher | 73 | 220 | 36.37 |
| 12 | Jason Varitek | Red Sox | Catcher | 74 | 230 | 34.89 |
| 13 | Devern Hansack | Red Sox | Starting Pitcher | 74 | 180 | 29.07 |
| 14 | Jon Lester | Red Sox | Starting Pitcher | 74 | 190 | 23.15 |
| 15 | Kason Gabbard | Red Sox | Starting Pitcher | 75 | 200 | 24.98 |
| 16 | Craig Hansen | Red Sox | Relief Pitcher | 78 | 210 | 23.29 |
| 17 | J.C. Romero | Red Sox | Relief Pitcher | 71 | 190 | 38.74 |
| 18 | Andy Marte | Indians | Third Baseman | 75 | 185 | 23.36 |
| 19 | Roberto Hernandez | Indians | Relief Pitcher | 76 | 250 | 42.38 |
| 20 | Joe Borowski | Indians | Relief Pitcher | 74 | 225 | 35.82 |
| 21 | Matt Miller | Indians | Relief Pitcher | 75 | 215 | 35.27 |
| 22 | Jason Davis | Indians | Relief Pitcher | 78 | 210 | 26.81 |
| 23 | Joe Blanton | Athletics | Starting Pitcher | 75 | 225 | 26.22 |
| 24 | Michael Pineda | Yankees | Starting Pitcher | 71 | 180 | 21.87 |

Part B:

Data on my homepage:

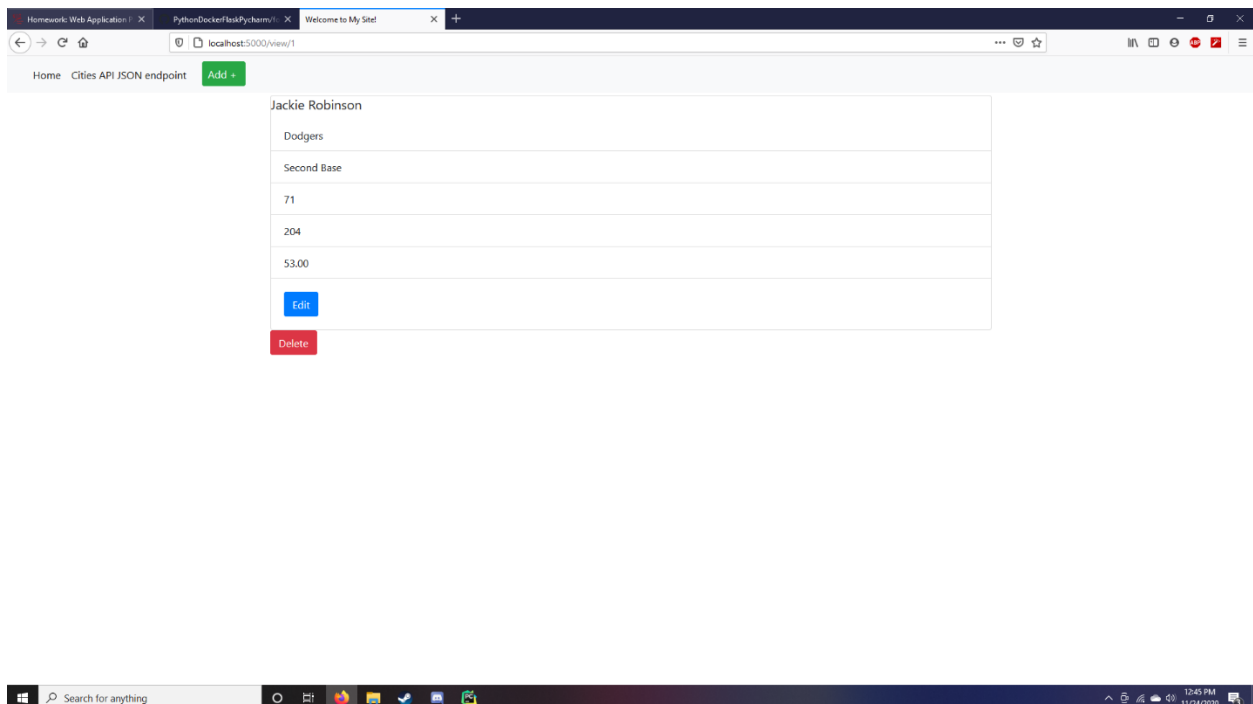


The screenshot shows a web browser window with three tabs: 'Homework: Web Application', 'PythonDockerTaskPycharm', and 'Welcome to Michael's site'. The address bar shows 'localhost:5000'. The page title is 'Michael's Homepage'. Below the title is a navigation bar with 'Home' and 'Cities API JSON endpoint' links, and a green 'Add +' button. The main content is a table with 17 rows of baseball player data. The table has columns for ID, Player Name, Team, Position, Height, Weight, and Age. The players listed are Jackie Robinson, Adam Donachie, Senny Rleal, Jeremy Guthrie, A.J. Pierzynski, Bobby Jenks, Nick Masset, Jose Molina, Francisco Rodriguez, Greg Jones, Doug Mirabelli, Jason Varitek, Devern Hansack, Jon Lester, Kason Gabbard, Craig Hansen, and J.C. Romero.

| ID | Player Name | Team | Position | Height | Weight | Age |
|----|---------------------|-----------|------------------|--------|--------|-------|
| 1 | Jackie Robinson | Dodgers | Second Base | 71 | 204 | 53.00 |
| 2 | Adam Donachie | Orioles | Catcher | 74 | 180 | 22.99 |
| 3 | Senny Rleal | Orioles | Relief Pitcher | 73 | 180 | 26.69 |
| 4 | Jeremy Guthrie | Orioles | Relief Pitcher | 73 | 200 | 27.90 |
| 5 | A.J. Pierzynski | White Sox | Catcher | 75 | 245 | 30.17 |
| 6 | Bobby Jenks | White Sox | Relief Pitcher | 75 | 270 | 25.96 |
| 7 | Nick Masset | White Sox | Relief Pitcher | 76 | 190 | 24.79 |
| 8 | Jose Molina | Angles | Catcher | 74 | 220 | 31.74 |
| 9 | Francisco Rodriguez | Angles | Relief Pitcher | 72 | 185 | 25.14 |
| 10 | Greg Jones | Angles | Relief Pitcher | 74 | 195 | 30.29 |
| 11 | Doug Mirabelli | Red Sox | Catcher | 73 | 220 | 36.37 |
| 12 | Jason Varitek | Red Sox | Catcher | 74 | 230 | 34.89 |
| 13 | Devern Hansack | Red Sox | Starting Pitcher | 74 | 180 | 29.07 |
| 14 | Jon Lester | Red Sox | Starting Pitcher | 74 | 190 | 23.15 |
| 15 | Kason Gabbard | Red Sox | Starting Pitcher | 75 | 200 | 24.90 |
| 16 | Craig Hansen | Red Sox | Relief Pitcher | 78 | 210 | 23.29 |
| 17 | J.C. Romero | Red Sox | Relief Pitcher | 71 | 198 | 30.74 |

Part C:

Viewing one record:



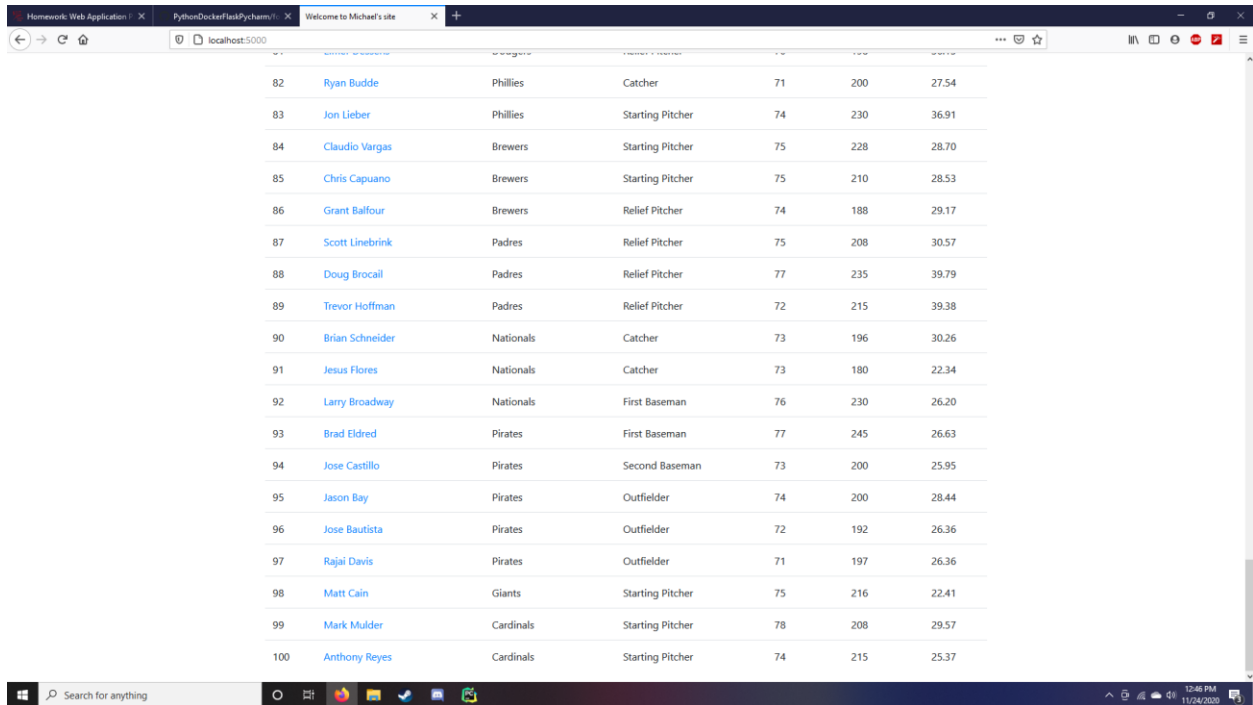
The screenshot shows the same web browser window as before, but the address bar now shows 'localhost:5000/view/1'. The page title is 'Welcome to My Site!'. The navigation bar is the same. The main content is a form for viewing a single record. The form has a title 'Jackie Robinson' and several input fields for 'Dodgers', 'Second Base', '71', '204', and '53.00'. There are two buttons at the bottom: a blue 'Edit' button and a red 'Delete' button.

| ID | Player Name | Team | Position | Height | Weight | Age |
|----|-----------------|---------|-------------|--------|--------|-------|
| 1 | Jackie Robinson | Dodgers | Second Base | 71 | 204 | 53.00 |

Edit Delete

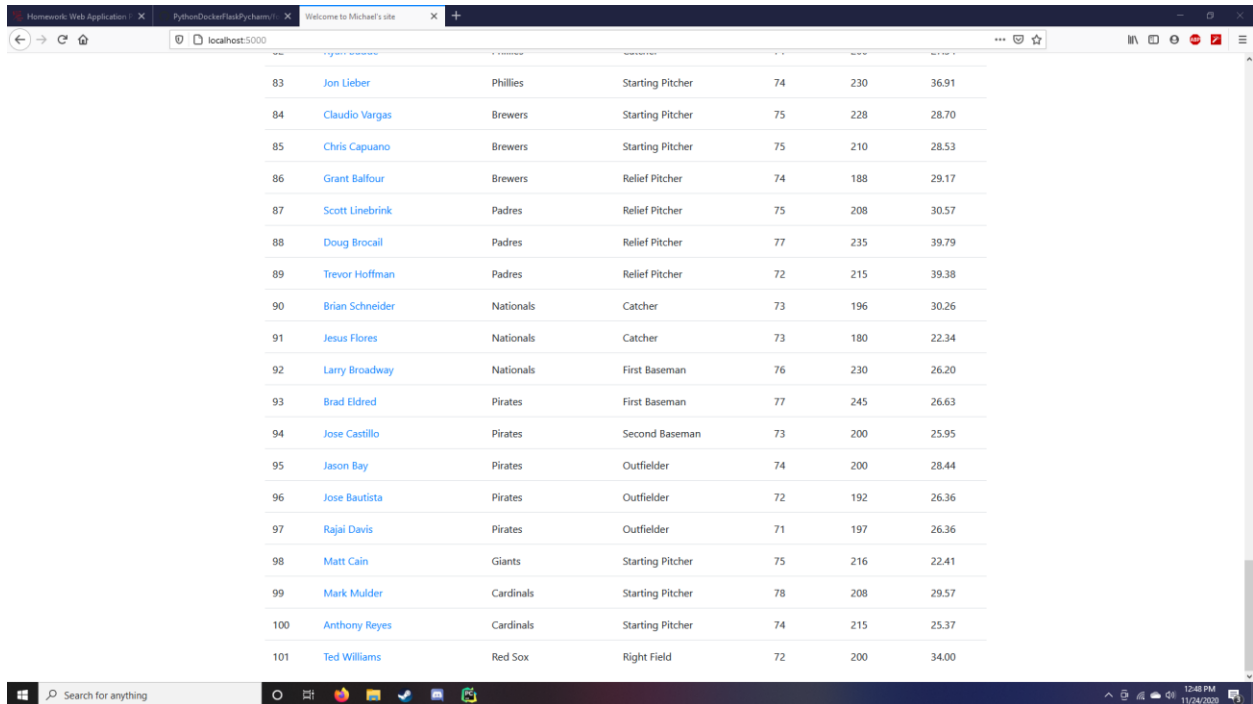
Part D:

Before adding a new record:



| | | | | | | |
|-----|-----------------|-----------|------------------|----|-----|-------|
| 82 | Ryan Budde | Phillies | Catcher | 71 | 200 | 27.54 |
| 83 | Jon Lieber | Phillies | Starting Pitcher | 74 | 230 | 36.91 |
| 84 | Claudio Vargas | Brewers | Starting Pitcher | 75 | 228 | 28.70 |
| 85 | Chris Capuano | Brewers | Starting Pitcher | 75 | 210 | 28.53 |
| 86 | Grant Balfour | Brewers | Relief Pitcher | 74 | 188 | 29.17 |
| 87 | Scott Linebrink | Padres | Relief Pitcher | 75 | 208 | 30.57 |
| 88 | Doug Brocail | Padres | Relief Pitcher | 77 | 235 | 39.79 |
| 89 | Trevor Hoffman | Padres | Relief Pitcher | 72 | 215 | 39.38 |
| 90 | Brian Schneider | Nationals | Catcher | 73 | 196 | 30.26 |
| 91 | Jesus Flores | Nationals | Catcher | 73 | 180 | 22.34 |
| 92 | Larry Broadway | Nationals | First Baseman | 76 | 230 | 26.20 |
| 93 | Brad Eldred | Pirates | First Baseman | 77 | 245 | 26.63 |
| 94 | Jose Castillo | Pirates | Second Baseman | 73 | 200 | 25.95 |
| 95 | Jason Bay | Pirates | Outfielder | 74 | 200 | 28.44 |
| 96 | Jose Bautista | Pirates | Outfielder | 72 | 192 | 26.36 |
| 97 | Rajai Davis | Pirates | Outfielder | 71 | 197 | 26.36 |
| 98 | Matt Cain | Giants | Starting Pitcher | 75 | 216 | 22.41 |
| 99 | Mark Mulder | Cardinals | Starting Pitcher | 78 | 208 | 29.57 |
| 100 | Anthony Reyes | Cardinals | Starting Pitcher | 74 | 215 | 25.37 |

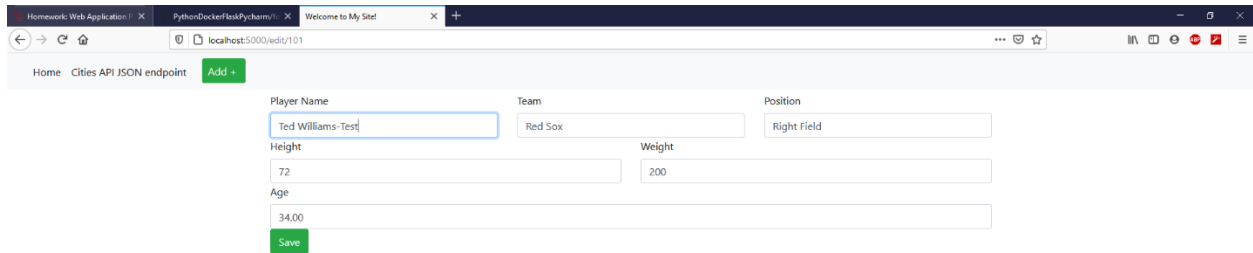
After adding a new record (I added ID 101 – Ted Williams):



| | | | | | | |
|-----|-----------------|-----------|------------------|----|-----|-------|
| 83 | Jon Lieber | Phillies | Starting Pitcher | 74 | 230 | 36.91 |
| 84 | Claudio Vargas | Brewers | Starting Pitcher | 75 | 228 | 28.70 |
| 85 | Chris Capuano | Brewers | Starting Pitcher | 75 | 210 | 28.53 |
| 86 | Grant Balfour | Brewers | Relief Pitcher | 74 | 188 | 29.17 |
| 87 | Scott Linebrink | Padres | Relief Pitcher | 75 | 208 | 30.57 |
| 88 | Doug Brocail | Padres | Relief Pitcher | 77 | 235 | 39.79 |
| 89 | Trevor Hoffman | Padres | Relief Pitcher | 72 | 215 | 39.38 |
| 90 | Brian Schneider | Nationals | Catcher | 73 | 196 | 30.26 |
| 91 | Jesus Flores | Nationals | Catcher | 73 | 180 | 22.34 |
| 92 | Larry Broadway | Nationals | First Baseman | 76 | 230 | 26.20 |
| 93 | Brad Eldred | Pirates | First Baseman | 77 | 245 | 26.63 |
| 94 | Jose Castillo | Pirates | Second Baseman | 73 | 200 | 25.95 |
| 95 | Jason Bay | Pirates | Outfielder | 74 | 200 | 28.44 |
| 96 | Jose Bautista | Pirates | Outfielder | 72 | 192 | 26.36 |
| 97 | Rajai Davis | Pirates | Outfielder | 71 | 197 | 26.36 |
| 98 | Matt Cain | Giants | Starting Pitcher | 75 | 216 | 22.41 |
| 99 | Mark Mulder | Cardinals | Starting Pitcher | 78 | 208 | 29.57 |
| 100 | Anthony Reyes | Cardinals | Starting Pitcher | 74 | 215 | 25.37 |
| 101 | Ted Williams | Red Sox | Right Field | 72 | 200 | 34.00 |

Part E:

Updating a record on my homepage (I updated record ID 101 – Ted Williams):



Home Cities API JSON endpoint [Add +](#)

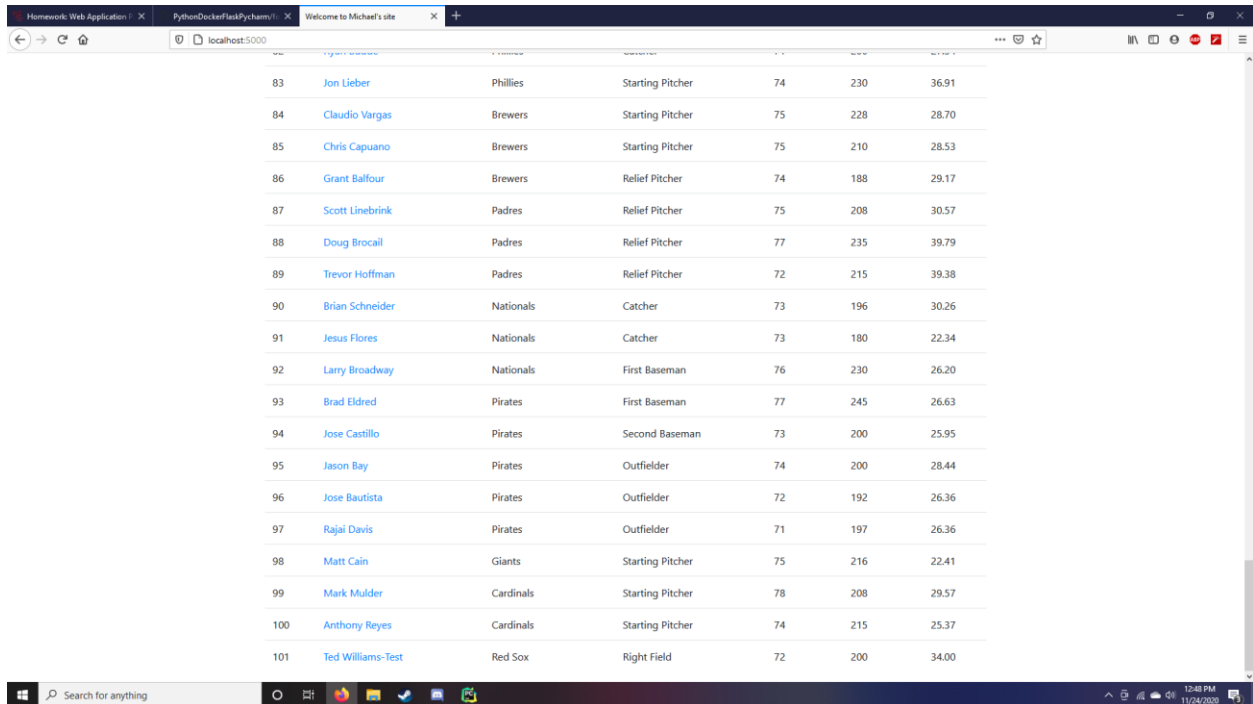
Player Name: Team: Position:

Height: Weight:

Age:

[Save](#)

After editing (view of record on the homepage):




| ID | Name | Team | Position | Height | Weight | Age |
|-----|-------------------|-----------|------------------|--------|--------|-------|
| 83 | Jon Lieber | Phillies | Starting Pitcher | 74 | 230 | 36.91 |
| 84 | Claudio Vargas | Brewers | Starting Pitcher | 75 | 228 | 28.70 |
| 85 | Chris Capuano | Brewers | Starting Pitcher | 75 | 210 | 28.53 |
| 86 | Grant Balfour | Brewers | Relief Pitcher | 74 | 188 | 29.17 |
| 87 | Scott Linebrink | Padres | Relief Pitcher | 75 | 208 | 30.57 |
| 88 | Doug Brocail | Padres | Relief Pitcher | 77 | 235 | 39.79 |
| 89 | Trevor Hoffman | Padres | Relief Pitcher | 72 | 215 | 39.38 |
| 90 | Brian Schneider | Nationals | Catcher | 73 | 196 | 30.26 |
| 91 | Jesus Flores | Nationals | Catcher | 73 | 180 | 22.34 |
| 92 | Larry Broadway | Nationals | First Baseman | 76 | 230 | 26.20 |
| 93 | Brad Eldred | Pirates | First Baseman | 77 | 245 | 26.63 |
| 94 | Jose Castillo | Pirates | Second Baseman | 73 | 200 | 25.95 |
| 95 | Jason Bay | Pirates | Outfielder | 74 | 200 | 28.44 |
| 96 | Jose Bautista | Pirates | Outfielder | 72 | 192 | 26.36 |
| 97 | Rajai Davis | Pirates | Outfielder | 71 | 197 | 26.36 |
| 98 | Matt Cain | Giants | Starting Pitcher | 75 | 216 | 22.41 |
| 99 | Mark Mulder | Cardinals | Starting Pitcher | 78 | 208 | 29.57 |
| 100 | Anthony Reyes | Cardinals | Starting Pitcher | 74 | 215 | 25.37 |
| 101 | Ted Williams-Test | Red Sox | Right Field | 72 | 200 | 34.00 |

Part F:

Before deleting a record:

| | | | | | | |
|-----|-----------------------------------|-----------|------------------|----|-----|-------|
| 92 | Larry Broadway | Nationals | First Baseman | 76 | 230 | 26.20 |
| 93 | Brad Eldred | Pirates | First Baseman | 77 | 245 | 26.63 |
| 94 | Jose Castillo | Pirates | Second Baseman | 73 | 200 | 25.95 |
| 95 | Jason Bay | Pirates | Outfielder | 74 | 200 | 28.44 |
| 96 | Jose Bautista | Pirates | Outfielder | 72 | 192 | 26.36 |
| 97 | Rajai Davis | Pirates | Outfielder | 71 | 197 | 26.36 |
| 98 | Matt Cain | Giants | Starting Pitcher | 75 | 216 | 22.41 |
| 99 | Mark Mulder | Cardinals | Starting Pitcher | 78 | 208 | 29.57 |
| 100 | Anthony Reyes | Cardinals | Starting Pitcher | 74 | 215 | 25.37 |
| 101 | Ted Williams-Test | Red Sox | Right Field | 72 | 200 | 34.00 |



After deleting a record (I deleted record ID 101 – Ted Williams):

| | | | | | | |
|-----|---------------------------------|-----------|------------------|----|-----|-------|
| 90 | Brian Schneider | Nationals | Catcher | 73 | 196 | 30.26 |
| 91 | Jesus Flores | Nationals | Catcher | 73 | 180 | 22.34 |
| 92 | Larry Broadway | Nationals | First Baseman | 76 | 230 | 26.20 |
| 93 | Brad Eldred | Pirates | First Baseman | 77 | 245 | 26.63 |
| 94 | Jose Castillo | Pirates | Second Baseman | 73 | 200 | 25.95 |
| 95 | Jason Bay | Pirates | Outfielder | 74 | 200 | 28.44 |
| 96 | Jose Bautista | Pirates | Outfielder | 72 | 192 | 26.36 |
| 97 | Rajai Davis | Pirates | Outfielder | 71 | 197 | 26.36 |
| 98 | Matt Cain | Giants | Starting Pitcher | 75 | 216 | 22.41 |
| 99 | Mark Mulder | Cardinals | Starting Pitcher | 78 | 208 | 29.57 |
| 100 | Anthony Reyes | Cardinals | Starting Pitcher | 74 | 215 | 25.37 |

