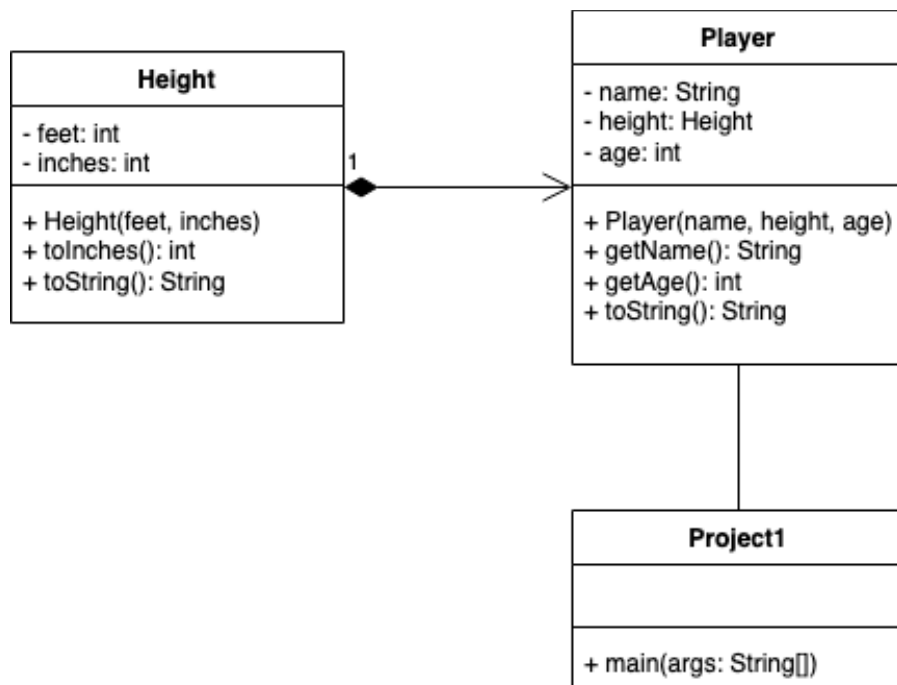Wyatt Humphrey
1/21/2025
Project 1 Documentation

Approach:

I began by reading the program specification from the documentation provided. From this, I learned what classes I would need to write and their associated methods and objects. I first wrote the Height class as it was integral to the player class, then the Player class followed by the main Project1 class. The Player and Height classes have a composition relationship, while Project1 and Player have an association.

Class Diagram:

Test Cases:

INPUT	EXPECTED	ACTUAL	PASS
"Bob", "43 5 11"; "Linda", "38 6 2"	Average player age: 40.50 The tallest player is Name: Linda Age: 38 Height: 6'2"	Average player age: 40.50 The tallest player is Name: Linda Age: 38 Height: 6'2"	YES

NULL	No player data entered.	No player data entered.	YES
"Bob", "43 4 26"; "Linda", "24 3 32"	Average player age: 33.50 The tallest player is Name: Linda Age: 24 Height: 5'8"	Average player age: 33.50 The tallest player is Name: Linda Age: 24 Height: 5'8"	YES