CS 162P Self Evaluation for Lab 7 – Linked List of Characters

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Are you willing to allow your code to be used in example debugging demonstrations or documentation? Yes No	

Instructions – Part 1

This document is to be turned in alongside solution of this lab. You will use this document to indicate your status on the lab, as well as areas where you are struggling conceptually or in converting concept to code. Please use the space underneath each evaluation criteria to describe any errors you are receiving or challenges you are having implementing the required functionality for your code.

Functionality

Basic Expectations	***Completed***
Does the program compile and run?	Yes
Are there comments explaining what the program and various functions are doing?	Yes
Does your project return the correct results for all driver tests?	Yes
Does your project include person.py, player.py, and linkedList.py?	Yes
Character Classes	***Completed***
Are all child classes properly implemented?	Yes
Are the equality and greater than operators correctly overridden?	Yes
Does your __eq__ function correctly compare all required elements to return true?	Yes
Is the __str__ function overridden to output the required information?	Yes
Do all child classes correctly override the parent class information to compare correctly?	Yes
Linked List	***Completed***
Is your Link class defined in the same header as your LinkedList class?	Yes
Does Link contain a value and a pointer to the next link?	Yes
Does LinkedList __init__ method set head to point to None?	Yes

Does addHead properly update the next variable in the Link as well as the head variable in LinkedList?	Yes
Does removeHead reset head to the next Link?	Yes
Does removeHead throw an IndexError exception if the list is empty?	Yes

Does findValue use the overloaded equality operator to test if the player is in the list?	Yes

Instructions – Part 2

Please answer the following questions, in your own words, regarding your experiences throughout this lab.

Experiential Review

What aspects of this lab did you find most challenging?
Finding a link value in the link list.
What concept/s from this lab do you feel you have the best grasp on now?
Working with overloads.
What is operator overriding?
It is when you can change what the operators do or look for in a comparison and choose what it returns.
Please summarize the basic concepts of a linked list:
A linked list is like an array or a list in python, but instead grows dynamically as you add and remove links.
What are the major differences between linked lists and arrays?
Arrays are in a single block in memory and if they grow too large it gets copied over to another larger block. Also an array is stored contiguously in memory which allows you to use indexing where linked lists are not stored contiguously.