Assignment 6

Due Dec 13, 2021 by 11:59pm **Points** 10 **Submitting** a file upload **File Types** zip, cpp, and h
Available Nov 29, 2021 at 11:59am - Dec 22, 2021 at 11:59pm

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In this assignment, you'll develop code to help manage the International Rock, Paper, Scissors Society. The IRPSS has a rather unique approach to determining their hierarchy of members. Rather than holding regular tournaments, they allow new players to work their way into the hierarchy individually. A prospective Society member faces one established member near the middle of the road. If they win, they move on to face players who previously beat that first member. If they lose, the are sent to play members who previously lost. As the developers of this system, we won't raise questions about whether this is a very fair way to determine the hierarchy, as this approach conveniently mimics a binary search tree.

So, in this assignment, we will spend some time using C++ template features to develop a binary tree data structure for tracking the Society's hierarchy of members. We'll also practice using exception handling to settle matters when competitions get out of hand
Full details here: assignment_6.pdf

The starter files are:

Punches.h
main.cpp