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;; The first four lines of this file were added by Dracula.
;; They tell DrScheme that this is a Dracula Modular ACL2 program.
;; Leave these lines unchanged so that DrScheme can properly load this file.
#reader(planet "reader.ss" ("cce" "dracula.plt") "modular" "lang")
#| Team Steele
   Software Engineering I
   Mpsc

   Personal Score Card Module
|#
(require "../interfaces/Ipsec.lisp")
(require "../interfaces/Iboard.lisp")
(require "../interfaces/Irankings.lisp")
(require "../interfaces/Ixmlminidom.lisp")
(require "../interfaces/Ibasiclex.lisp")

(module Mpsc
  (import Iboard)
  (import Ixmlminidom)
  (import Irankings)
  (import Ibasiclex)
  (include-book "io-utilities" :dir :teachpacks)
  (include-book "list-utilities" :dir :teachpacks)

  ;Pulls the Name Strings for a given Pair ID
  ;PairID format: (String Direction, String SectionNumber)
  ;Data format: Nodes format
  ;Output format: (String String), Names of the two players
  (defun getNameForID (pairid data) nil)

  ;;
  ;;
  (defun getBoardForPair (rbrds sections sectionlabel dir)
    (if (null rbrds)
        ""
        (let* ((sbrd (car rbrds))
                (rest (cdr rbrds))
                (id (second sbrd))
                (contestants (getcontestants sectionlabel dir id sections))
                (players (getcontestantsnames contestants)))
          (concatenate 'string
            "<tr>"
            "<td><a href=\"boards-trav.htm#\" (first sbrd) \">"
              (first sbrd) "</a></td>" ; boardnum
            "<td><a href=\"psc.htm#"
              dir id sectionlabel "\">"
              sectionlabel id "</a></td>" ; vs. info
            "<td>" players "</td>" ; names
            "<td>" (third sbrd) "</td>" ; score
            "<td>" (fourth sbrd) "</td>" ; matchpoints
            "</tr>"
            (getBoardForPair rest sections sectionlabel dir))))))

  ;Pulls the match results for a given Pair ID
  ;PairID format: (String Direction, String SectionNumber)
  ;Results format: ?
  ;Output format: String, HTML formatted text comprising all the boards
  ; for one player pair
  (defun getBoardsForPair (pairid sectionlabel results sections dir)
    (let* ((bforp (assoc-equal (mv pairid sectionlabel) results)))
      (getBoardForPair (cdr bforp) sections sectionlabel dir)))

  ;;
  ;;
  (defun getAllPairs (results sections gamestring average top gamenode)
    (let* ((ns (car results))
           (ew (cadr results))

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" <br>"
" Score: "
  (xml-gettext (xml-getnode contestants "MatchpointTotal"))
  " ("
  (xml-gettext (xml-getnode contestants "Percentage"))
  "%) "
  (let* ((award (xml-getnode contestants "Award")))
    (if award
      (concatenate 'string
                    "MP: "
                    (xml-getattribute award "TypeOfAward")
                    " "
                    (xml-gettext award)
                    " ("
                    (xml-getattribute award "AwardCategory")
                    (xml-getattribute award "AwardStrat")
                    ")")
      ""))
  " Ave: "
  average
  " Top: "
  top
  "<br>"
  (getrankstring "Section" contestants)
  " "
  (getrankstring "Overall" contestants)
  "</td></tr>"))

(defun pscfooter (gamestring)
  (concatenate 'string "<tr><td colspan=\\"5\\">" gamestring "</td></tr>"))

;Pulls the Personal Score Card data for all players, and put's them all
;into html table format
;XMLnodes format: Nodes format
;Output format: String, HTML formatted text comprising the score card
;   for one player pair
(defun serializedPSC (gamenode boardnodes)
  (let* ((sections (xml-bfsfindnodes (list gamenode) "Section"))
         (results (getAllSeparateResults boardnodes))
         (gamestring (getgamestring gamenode))
         (movement (xml-getnode gamenode "Movement"))
         (average (xml-gettext (xml-getnode movement "Average")))
         (top (xml-gettext (xml-getnode movement "Top"))))
    (getAllPairs results sections gamestring average top gamenode)))

(export Ipsc))

```