**Tournament Tracker**

Pseudocode

print welcome message

while number of participants hasn’t been chosen

get number of participants

if number is 1 or less or more than 1 million

print ‘try again’ message

create array of dictionaries with length equal to number of participants

while the user hasn’t exited

print menu

get menu choice

if sign up menu choice

while name not valid

get participant name

if participant name has length of one or less

print ‘try again’ message

while starting slot not valid

get desired starting slot

if slot isn’t filled

print ‘success’ message

else

print ‘try again’ message

else if cancellation menu choice

while cancellation not valid

get starting slot

if within range and not filled

get name

if name matches slot

print ‘success’ message

else

print ‘try again’ message

else

print ‘try again’ message

else if view participants menu choice

while starting slot not valid

if starting slot within range

set beginning index to slot – 5

set end index to slot + 5

if beginning index less than 0

set beginning index to 0

if end index greater than number of participants - 1

set end index to number of participants – 1

for every integer from beginning index to end index

print starting slot plus participant name

else

print ‘try again’ message

else if save changes menu choice

while save choice not valid

get save choice

if save

open csv file for writing

write each slot and participants name separated by a comma

close file

else if no save

go back to menu

else

print ‘try again’ message

else if exit menu choice

print ‘unsaved changes’ message

while save choice not valid

get save choice

if exit

set user exit to true

else if no exit

go back to menu

else

print ‘try again’ message