Use case name: Keep cumulative scores

Use case purpose: This is to keep track of each athletes scores as they receive them from the judges in real time. This specific use case allows an actor to enter the scores of athletes into the database.

Optimistic flow:

1. Actor Determines event that is occurring
2. If the events are Ice Dance, Singles Skating, or Couples Skating continue to steps C. If the events are ss500m, ss1000m, or ss1500m skip to step I.
3. Actor enters the seven scores given to the athlete by the judges into system.
4. Highest score is found out of the seven scores and is removed
5. Lowest score is found out of the seven scores and is removed
6. Remaining scores are averaged together
7. System takes the averaged score and enters it into the database.
8. Repeat steps A through H until each athlete has finished all of their runs.
9. Actor enters run time of each athlete in the heat.
10. Repeat step I for each heat.

Use case name: Display scores

Use case purpose: This use case is to display all the athletes scores in real time. This use case will also keep track of the place each athlete is in, in their respective event.

Optimistic flow:

1. System will display refreshed scores from the database during event.
2. Keep cumulative scores use case will enter a score into system.
3. System will determine athletes place in their respective event.
4. Repeat steps A through C until all athletes have competed in the event.
5. After the last athlete has competed system will show the first, second, and third place winners of the current event.
6. Repeat steps A through E until all events in Winter Olympics are completed.