

DANCING WITH THE STARS

TIME: 2.5 hours

Shawn Johnson and her partner have reached the finals of this season of *Dancing with the Stars*, and now have to give their best performance yet!

Choreograph a dancing scene with Shawn and her partner, and then program their performance. The scene has been initially programmed with the characters on the dancing stage, with a selection of music available to play while they perform.

Things to Keep in Mind

Each routine is evaluated by the same three judges:

- **Len** is a big fan of **synchronization**. The character's moves need not exactly mirror each other, but they should certainly remain in synch! [10 points]
- **Carrie Ann** appreciates dances with a good sense of **timing**. Your moves should in some way corresponds the music you've selected. [10 points]
- **Bruno** expects a level of **novelty** in each routine. Try to implement some moves that go beyond the provided methods for each dancer. [10 points]

Beyond the three judges scores, your programs will also be evaluated for **completeness** (fitting the requirements), **timeliness** (submitted on time), and **documentation** (well documented either through code comments or written notes). [20 points]