Ferry

The spring melt made the river rise and has taken out LegoLand's only ferry. The Lego people are starving and have asked their robotics club to build them a new ferry. There are building plans for the old ferry*, but the software is lost. The club must build a replacement ferry and the control software.

Name of the new ferry:_____

Objective	Possible Points	Run 1	Run 2	Run 3
Gracious Professionalism (working well with team mates, other teams and adults)	up to 3 points			
Crossing the river with the ferry safely	3 points			
Bringing ferry back safely	3 points			
Precision for not running into things or causing passenger to roll or fall down	3 points			
Safety interlock** to prevent the program running same direction twice in a row	3 points			
Creativity(dressing up ferry, port, people, departure and arrival sounds	up to 3 points			
Creativity in naming the ferry	up to 2 points			

Adults can help kids, but they can't do the work.

*the River Ferry building plans are part of the Happy Traveler Unit.

**Hint the interlock looks something like

```
if ferryPosition == 'out':
    code to bring ferry back
    ferryPosition = 'in'
else:
    code to send ferry across
    ferryPosition = 'out'
```