## Pseudocode

1. Create Layout
   1. Add buttons to control UP, DOWN, LEFT, and RIGHT.
   2. Add label for VERTICAL and HORIZONTAL rate.
   3. Add label for current VERTICAL and HORIZONTAL position.
2. Add layout to main thread.
3. Set up button actions to control VERTICAL and HORIZONTAL rate.
   1. Max rate in any direction is 10, ie. if UP is 10, set DOWN to -10.
4. Create new thread for timer/delay to prevent locking GUI thread.
5. Check VERTICAL and HORIZONTAL rate and adjust positions accordingly.

## Program Flow

* User starts the app and is presented with options to control the telescope position.
* 2 threads are created on start to handle UI and background calculations.
* When a direction button is clicked, adjust the appropriate rate number.
* Continue checking rates and calculate new position count every second.