Assumptions:

* The robot can only carry one bag at a time
* If the robot is not carrying any bags, it does not shortcircuit if it tries to drop a bag.
* If more than 1 crate exists at a position, the code will only ever look at the first crate at that position
* Crates, belts, robots can over lap
* The submit button clears all previously submitted commands
* Only works in Portrait orientation

To Do:

* More unit testing of RobotService and ValidationService
* Info screen explaining inputs and commands
* Scrollable view so you can scroll to bottom of screen while still viewing the keyboard.
* Use BezierPaths to draw actual path of robot for better understanding to the user.
* Validation to update while typing. At the moment if you make an error and the text goes red, you need to move to the next text box or dismiss the keyboard to update the validation.
* Implement better rules around positioning. I.e. at the moment it is assumed that a robot, a crate and the conveyer belt can occupy the same position.