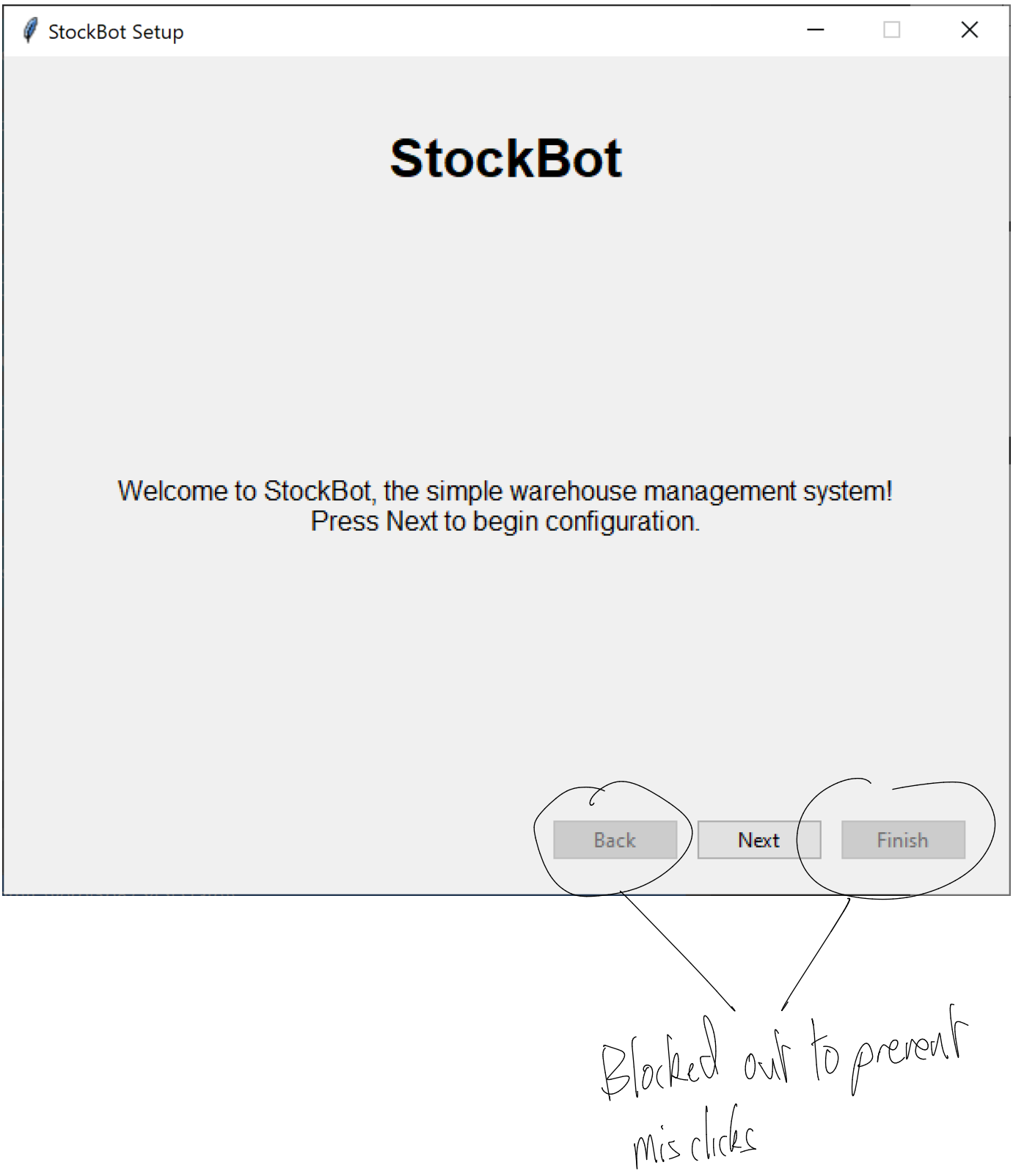
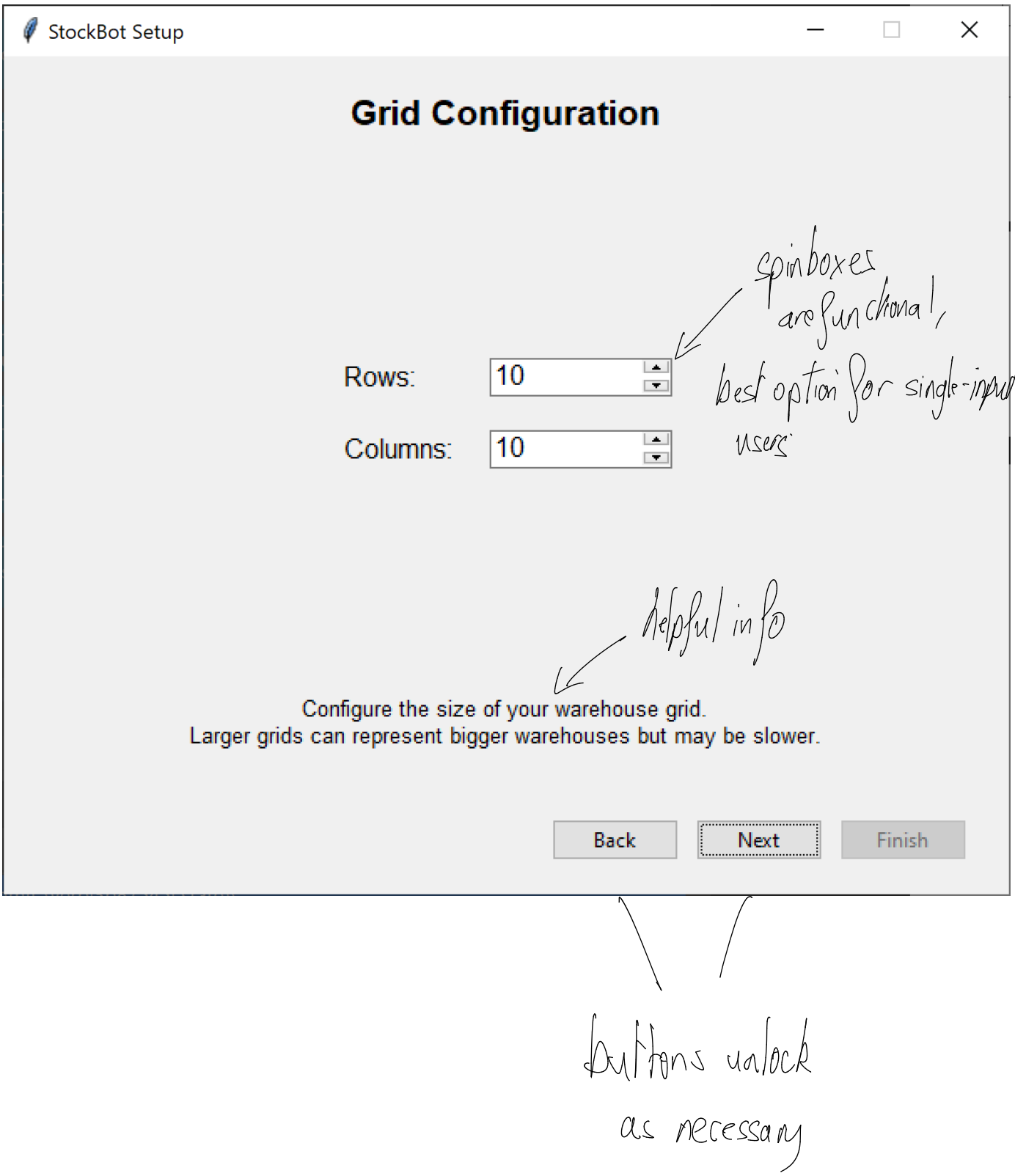
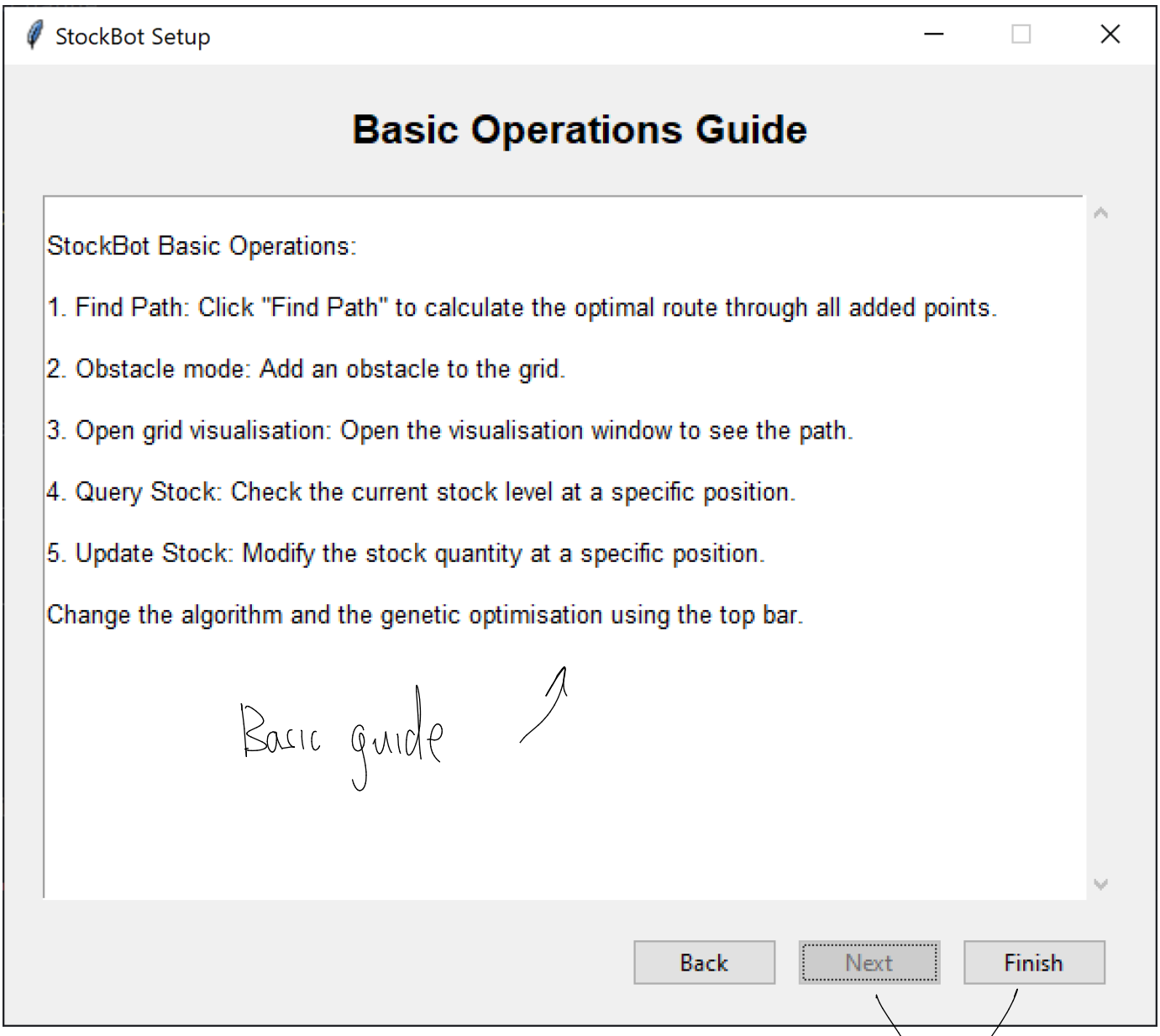
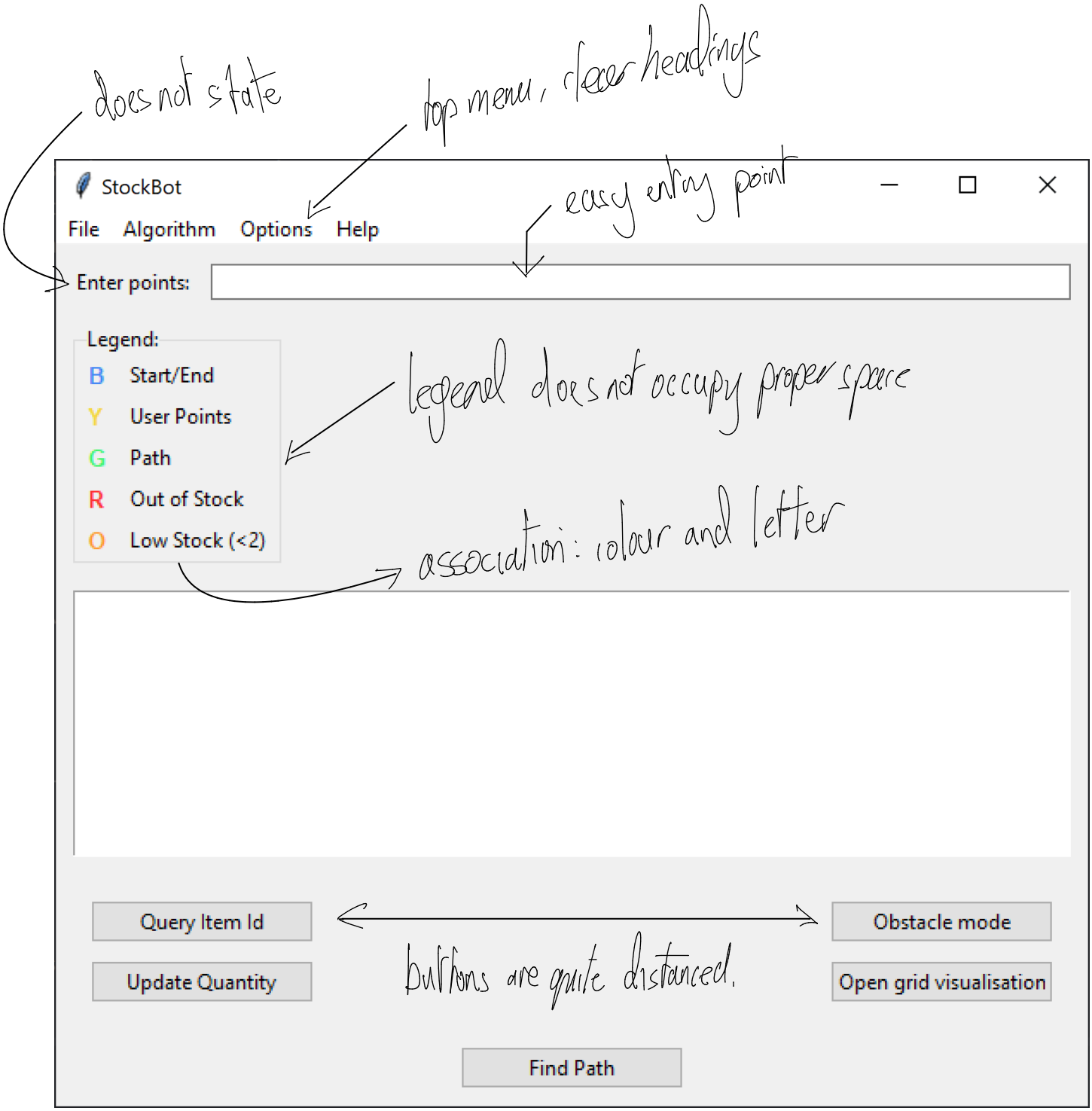
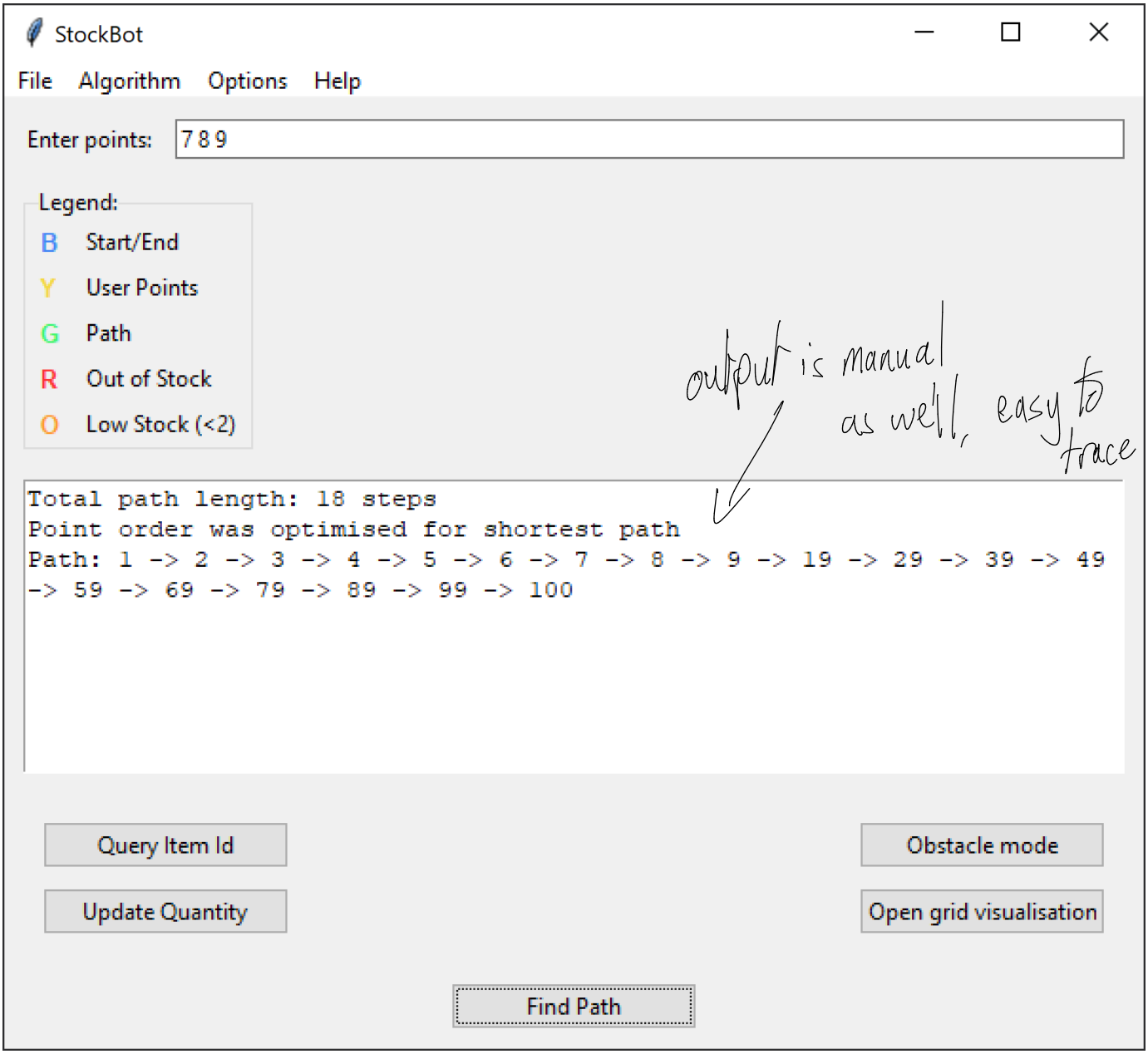
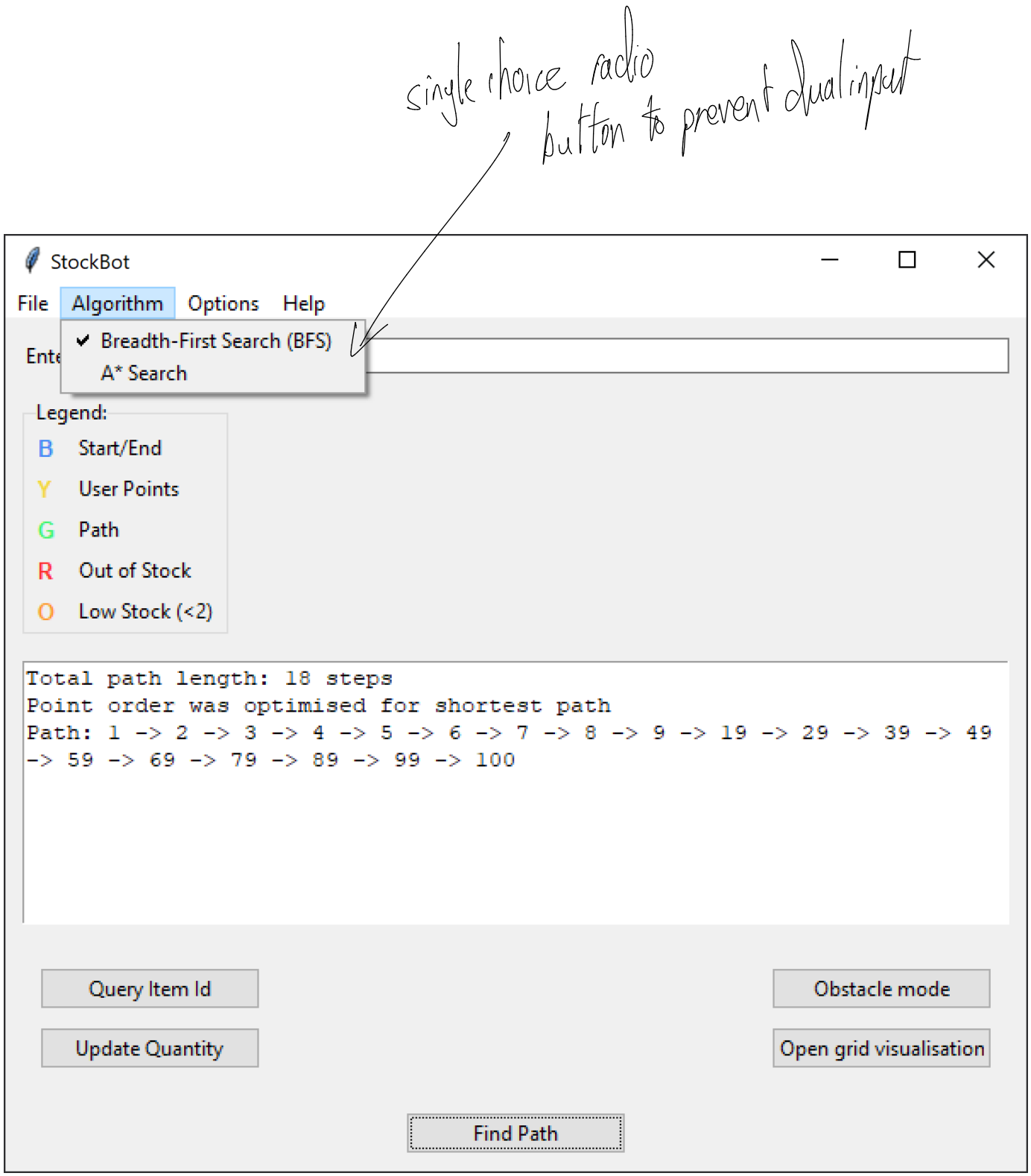

StockBot Setup
StockBot
Welcome to StockBot, the simple warehouse management system!
Press Next to begin configuration.
Back
Next
Finish
Blocked out to prevent mis clicks

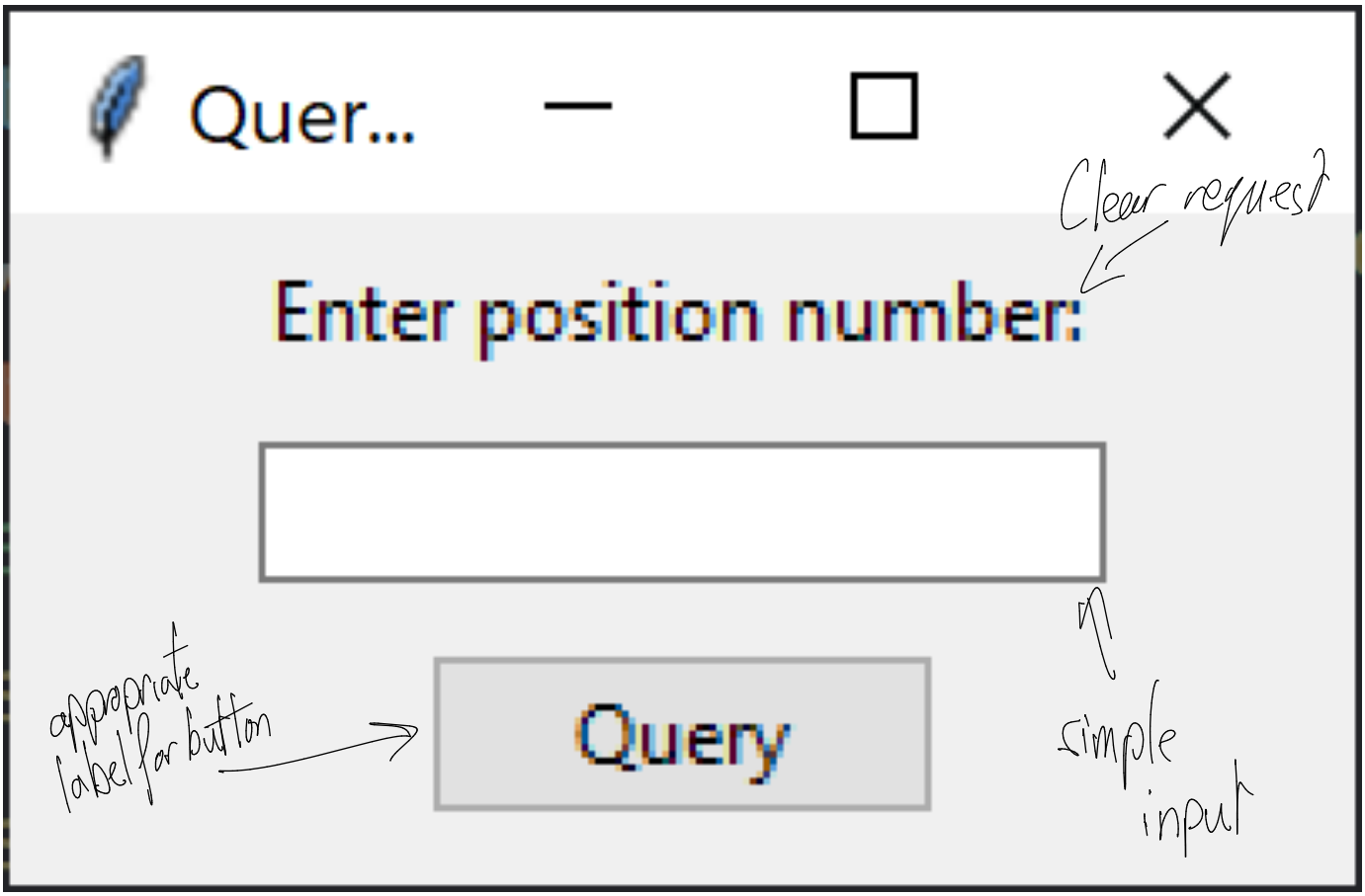

StockBot Setup
Grid Configuration
Rows:
10
Columns:
10
spinboxes are functional, best option for single-input users
helpful info
Configure the size of your warehouse grid.
Larger grids can represent bigger warehouses but may be slower.
Back
Next
Finish
buttons unlock as necessary


StockBot Setup
Basic Operations Guide
StockBot Basic Operations:
1. Find Path: Click "Find Path" to calculate the optimal route through all added points.
2. Obstacle mode: Add an obstacle to the grid.
3. Open grid visualisation: Open the visualisation window to see the path.
4. Query Stock: Check the current stock level at a specific position.
5. Update Stock: Modify the stock quantity at a specific position.
Change the algorithm and the genetic optimisation using the top bar.
Basic guide
Back
Next
Finish
should have a morphing button: next turns into finish, not 2 separate buttons


does not state
top menu, clearer headings
StockBot
File
Algorithm
Options
Help
easy entry point
Enter points:
Legend:
B Start/End
Y User Points
G Path
R Out of Stock
O Low Stock (<2)
legend does not occupy proper space
association: colour and letter
Query Item Id
Update Quantity
Obstacle mode
Open grid visualisation
buttons are quite distanced.
Find Path

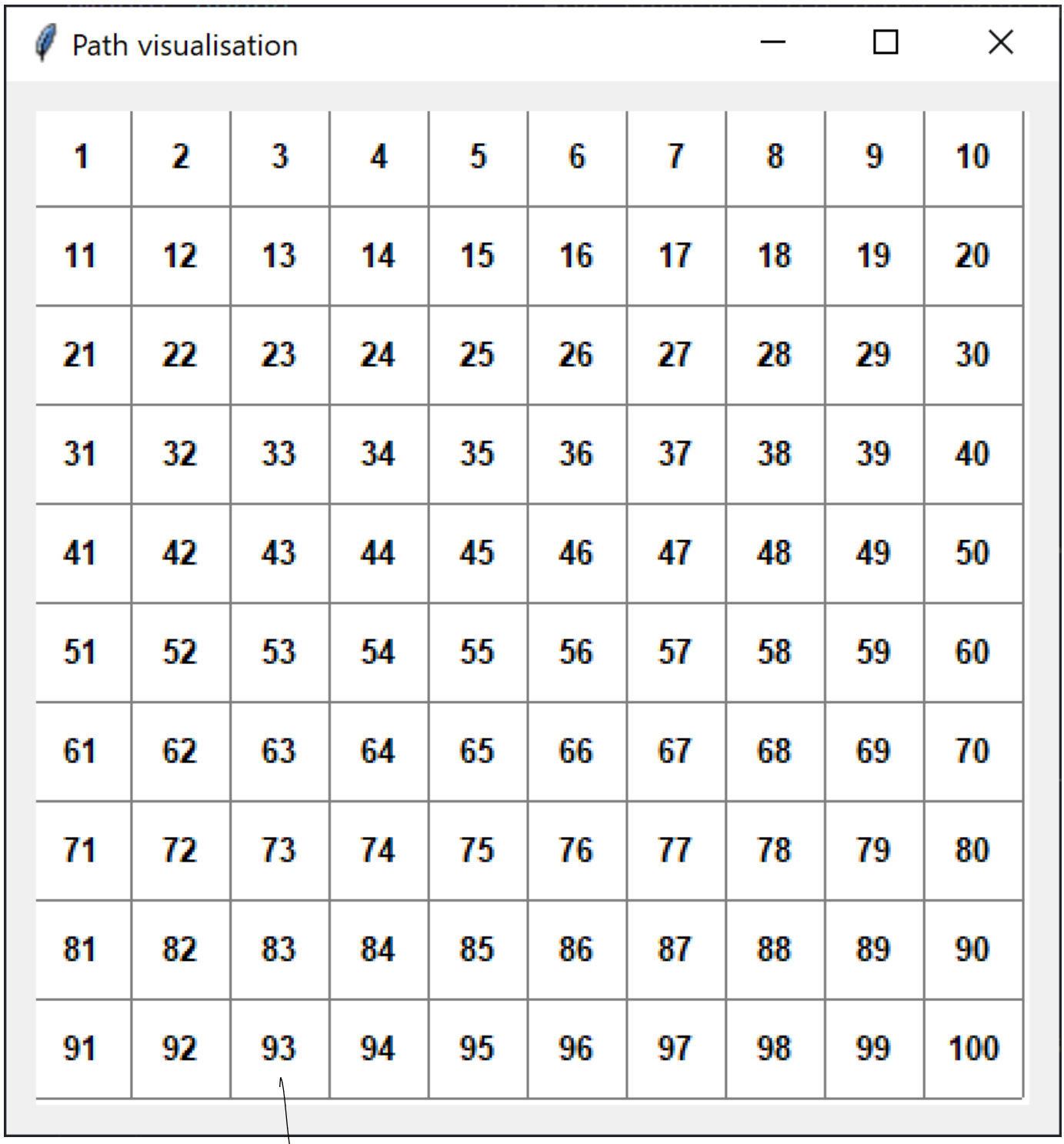

StockBot
File
Algorithm
Options
Help
Enter points:
7 8 9
Legend:
B Start/End
Y User Points
G Path
R Out of Stock
O Low Stock (<2)
output is manual
as well, easy to
trace
Total path length: 18 steps
Point order was optimised for shortest path
Path: 1 -> 2 -> 3 -> 4 -> 5 -> 6 -> 7 -> 8 -> 9 -> 19 -> 29 -> 39 -> 49
-> 59 -> 69 -> 79 -> 89 -> 99 -> 100
Query Item Id
Obstacle mode
Update Quantity
Open grid visualisation
Find Path


single choice radio button to prevent dual input
StockBot
File
Algorithm
Options
Help
Breadth-First Search (BFS)
A* Search
Legend:
B Start/End
Y User Points
G Path
R Out of Stock
O Low Stock (<2)
Total path length: 18 steps
Point order was optimised for shortest path
Path: 1 -> 2 -> 3 -> 4 -> 5 -> 6 -> 7 -> 8 -> 9 -> 19 -> 29 -> 39 -> 49 -> 59 -> 69 -> 79 -> 89 -> 99 -> 100
Query Item Id
Update Quantity
Obstacle mode
Open grid visualisation
Find Path



Separate window = separation of concerns

Grid-based visualisation represents warehouse



contrast to make nos visible.

Colours make sense for representation: green being good, red = error, orange = warning etc.

obvious colours

Path visualisation

1	2	3	4	5	6	7 Qty: 0	8	9 Qty: 1	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

could add dark mode?

text colour changed for max clarity