

f6e7cff update help guide

a8b3b6d added a missing import (messagebox) for warnings

78c5662 fixed minor error from function placement

d34c9b4 updated gui.py to implement new methods

d5a6179 update algorithms to avoid obstacles

018aaac modified the validate\_point function to check for obstacles

c0ab70d update the Grid class in spa.py to track obstacles

a8df408 added validation to A\* using the validate\_point function rather than a separate function

3ab3aa6 added the A\* algorithm implementation

52b2b06 cleaned up old class now that GUI is fully functional and implemented.

4459bcd optimise point ordering with timeout and error handling

f31c6e3 added an emergency fallback in case optimisation takes an excessive amount of time, and added validation to make sure it is only used when there is more than one point and it is enabled

6677497 added a GUI entry to the app to enable the optimisation

8174e75 added the genetic optimisation function so points can now be ordered respective to their distances, resulting in a shorter path.

6990578 Simplified UI by removing redundant elements and improving input handling

9cd9b34 added more accurate stock-tracking: it now shows true stock value in advance, warning the user if an items stock is zero AFTER path running at stock level 1.

17bd804 modified the interface to look more like what stakeholder is expecting.

08510e4 added markings for out-of-stock and <2 items - persistent markers help the user to identify items to be restocked.

cb5d63f strengthened program by adding a fallback when no items are in stock

1f65c46 added multi-point entry in the entry field, and increased the visibility of the warehouse

688582d removed threading due to async issues temporarily while I refine the visual interface.

69eaa8a revert to previsualisation

ed3884d Merge branch 'main' of <https://github.com/pmkhambhaita/stockbot-a-level>

33835f7 Revert "added colours to the visualisation as described in the design section"

bfb6845a Revert "added feature so that the grid visualisation appears whether findpath is pressed or not"

d59907b Merge branch 'main' of <https://github.com/pmkhambhaita/stockbot-a-level>

f0f21a0 fixed error from using self.cols instead of self.grid.cols

1a0a84a made the visualisation fit properly in the window with autoresizing and set minimum and maximum window sizes

eb53083 fixed an error where the path would not consistently display on the visualisation as the path was not maintained properly

f6862e1 fixed an error where the path would not consistently display on the visualisation as the path was not maintained properly

1f8d538 added feature so that the grid visualisation appears whether findpath is pressed or not

6fd7540 fixed a `_tkinter.TclError: invalid command name ".!toplevel.!canvas"` caused by improper handling of the window

7e78e61 added colours to the visualisation as described in the design section

3b87545 added a function to draw out the grid

03d4780 modified visualisation window class to use canvas instead of text widget

6b227f6 clear button also clears visualisation

d28cc78 update methods to use the new visualisation window

23cbdd6 updated the current GUI to use the visualisation window instead of the current interface

db52cf Created visualisation window class, ready to separate inputs and outputs

2b4b1ac created the pages for the configuration - 3 in total, with a basic guide

e8f1d8e added basic placeholders for config pages and added navigation systems

9f29ad8 set up structure for more complex config screen

d1b168e added the decrement to stock-checking so it will inform user if point has no stock

4f965e2 added logging to track/debug

29f1ca1 added the configuration input so it automatically creates the database based on the input grid config.

7586cb8 added validation methods and main method to actually create the database

022bcdcf created the database and a new class to create relevant methods in the future

a4472fb Switched to 1-based indexing for point input and display

9f2047f added config.py, allowing for the user to change the grid size through spinboxes at the start of the program with validation for negative numbers, closing window etc.

aa510be added multi-threading support for pathfinding operations

3f8acc8 added much more detailed comments

31cd2a2 unified validation under one function

c1afde0 added manual array trace of path

9c248be made errors more intuitive and clearer

babafb7 integrated the errors/warnings into the GUI and added logging to a file for debugging.

be7179a fixed small error where terminal interface would appear before GUI

256e1a2 - Added a validation function in spa.py to handle point validation - Modified the GUI code to use the new validation function - Removed the terminal input functions from spa.py since they're no longer needed - Added validation for start/end points (0,0 and grid max)

93cddaa got GUI elements working, overall good performance but terminal interface also appears. also, can add 0,0 as a point: need to prevent that

2cc86ce added the GUI elements to the window: a text box for entering points, an output text box for the path and multiple buttons

51caad0 modified tkinter manager to use 'grid' instead of 'pack'

9b42548 Merge branch 'main' of <https://github.com/pmkhambhaita/stockbot-a-level>

dc29116 Restructured project by moving GUI code to gui.py and consolidating pathfinding logic in spa.py

c78f7fc refactor: rename parameters for clarity in Grid and PathFinder classes (Qodana suggestions)

1a7da80 fix: correct path length calculation in PathFinder

121c011 fix: correct path length calculation in logger message

8597a60 -

0499de6 added inline comments to improve code readability

8081015 added user input capability and validation for input

bc69274 refactor: add logging and error handling to pathfinding logic

94fef19 added logging configuration to app.py

c88ec49 Fixed issue of failed marking of intermediate points in path visualisation

9f2e44b Refactor pathfinding logic into Grid and PathFinder classes; add PathVisualiser for grid visualisation

7f76931 Fixed the symbols by adding the start and end point markings after the path markings, overwriting the symbols with the correct ones.

c90ad6a Added a basic path visualisation using symbols for start, end and path.

e2c67a4 Fixed an issue flagged by Qodana: shadowing names from outer scope:

ad6ff95 finished the BFS algorithm and added a basic print(path) to check the algorithm.

d2fe05e initialised the graph and got started with the BFS algorithm, creating the queue and visited nodes, as well as ensuring that the algorithm only considers orthogonal (UDLR) movements.