2D Bin Packing implementation using genetic algorithm in Python

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The application has been made using python. Following libraries are needed for the application to execute:

1. Matplotlib
2. Math
3. Random
4. PyQt5
5. Numpy

Steps to run the applications:

1. The front end is designed on the PyQt framework.
2. Compile the "index.py" file and execute.
3. The window with 4 inputs will appear. Enter the corresponding values.
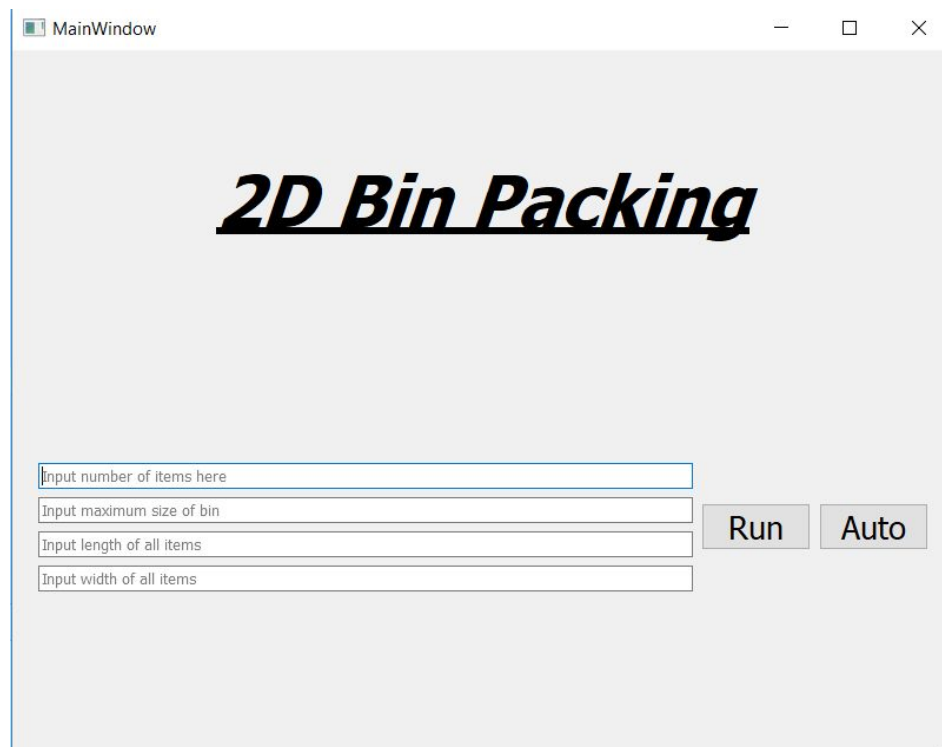
4. There are 2 options to run the algorithm
   a. Run: It will use the input of length and width provided by the user.
   b. Auto: It will generate length and width randomly. The input user provided will be ignored.