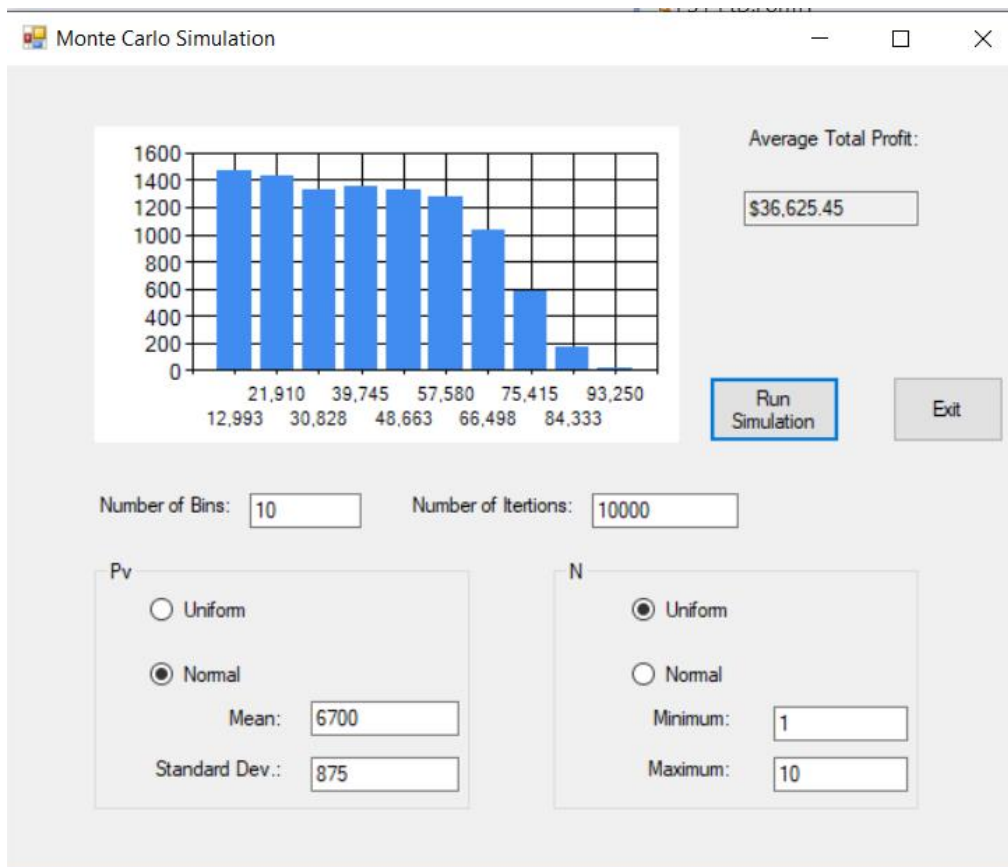
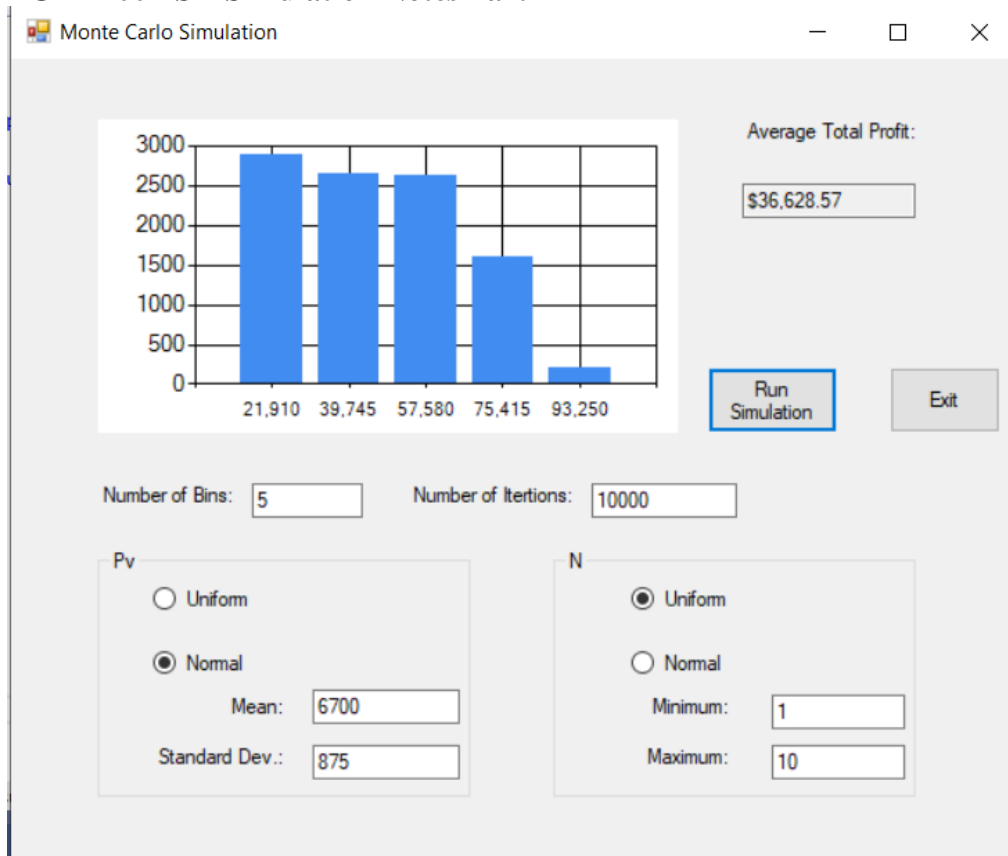
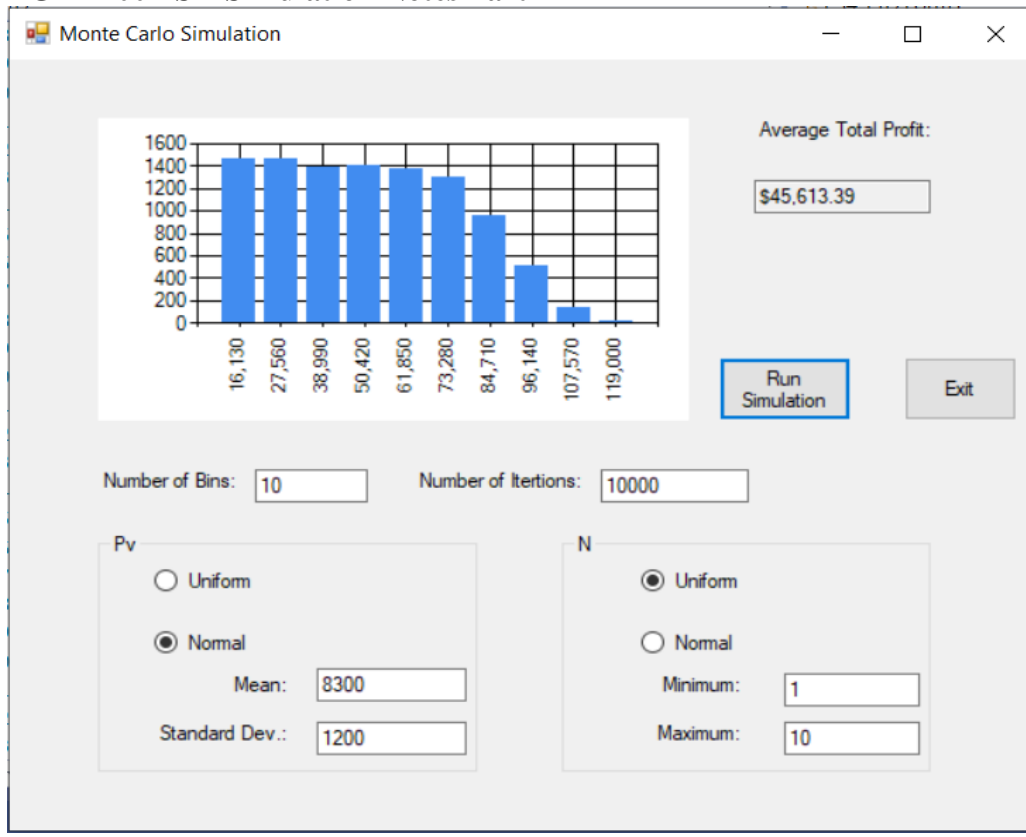


**PART C**

- Obtain input values from the user for **numIteration**, **numBins**, **nMin**, **nMax**, **PvMean**, **PvStdev**
- Calculate **PvMin** and **PvMax** (use plus and minus three standard deviations)
- Calculate **PtMin** and **PtMax**
- Declare an array to represent the **Bins** and a variable to accumulate total profit
- Loop **numIteration** times
  - Obtain random values for **n** and **Pv**
  - Calculate **P<sub>T</sub>**
  - Obtain the bin index and make sure it is within the proper range
  - Increment the count of the proper bin and add **P<sub>T</sub>** to the total profit accumulator
- Determine the increment for bin labeling in the MS Chart
- Use MS Chart to display the bin totals
- Calculate and display the average profit





**PART D**

You will need to amend the algorithm from Part C to account for the choice of distribution type (Normal or Uniform) for both  $P_V$  and  $n$ . Care will need to be taken to make sure that  $P_{VMin}$ ,  $P_{VMax}$ ,  $nMin$ , and  $nMax$  are computed correctly and that the proper “Random” methods are used in the calculation of  $P_T$ .

