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Second Group MatLab Project to be presented ▨▨ (note change from syllabus)

Code must be emailed to me by midnight ▨▨ Please name your code with your project name.

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- A group is 2-3 people
- You must have a group and project approved by the end of 9/30 (we will use that class day to work on them). You may arrange to meet outside of class or exchange code electronically.
- **No two groups can do the same topic**
- The code must
  - ask the user to input something and use a while loop to ask again until the input satisfies some condition
  - create and display a plot or image
- The project must also include
  - a for loop
  - a function
  - also an anonymous function
  - a data structure

Grading rubric: This project will be worth 70% of the group projects grade.

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Points: working code when demonstrated on ▨▨: 10

Contains the 6 required elements, 10 points each: 60

Code does something like the approved project title implies: 5

(Almost) every line of code is commented: 5

Code uses descriptive variable names: 5

Code makes sense (is reasonably straightforward): 5

Complexity of project (it required some thought): 5

Group can explain what is being plotted and why (you can use a powerpoint if necessary): 5

Try to thing of your unique project, but some standard ideas are: electric fields, collisions, orbits, more trajectories, computing coin tosses, using matrices to compute ray tracing, random simulations: for example randomly picking points on a plane, computing how many are within an outline and using that to estimate the area…