**CS590 homework 4 – Dynamic Programming, Greedy Algorithms**

The due date for this assignment isFriday, April 21st, at 11.59pm*.* This assignment is worth 12.5% of your final grade.

Any sign of collaboration will result in a 0 and being reported to the Graduate Academic Integrity Board. The programming assignment will be done individually. No collaboration is allowed between students. No code from online resources is allowed to be used besides the code that I will share with you. Late submission policy described in the syllabus will be applied. ![A screenshot of a social media post

Description automatically generated]()

**![A screenshot of a cell phone

Description automatically generated]()**



Remarks:

* You are not allowed to use code from online resources. Your submission will be tested against that, and will receive a 0, and a report to the Graduate Academic Integrity Board if it is detected.
* Your report has to be typed, and submitted in a pdf file.
* No additional libraries are allowed to be used
* A Makefile is provided for both problems to build the code in the Virtual Box.
* Your code has to compile, and will be graded on the Virtual Box.
* The programming, and testing will take some time. Start early.
* Feel free to use the provided source code for your implementation. You have to document your code.