

COP 3531 – FILE STRUCTURES
PROGRAMMING PROJECT #1
SUMMER 2003

Directions: Please accommodate the following functions below. Refer to initial course handouts for policy on turn in items and late turn-ins. The seven sections below are to be the seven sections clearly separated via dividers with tabs in your turn-in folder.

BE SURE to study web pages on pseudo-code, system flow charts, programming standards, etc. These are very important! If you don't understand what I am asking for, please don't hesitate to ask – but ask early, not two days before the assignment is due, please.

_____ 5 points Organization, neatness, tabs, and general appearance. Include printed copy of this assignment. [Download this page](#) and include it as the first page of your deliverable.

_____ 5 points A System Flowchart

_____ 10 points Hierarchy Chart(s) (Structure Charts) including good paragraph numbering. Use a Software Tool. (Power Point, Word, and others are available in our labs.)

_____ 15 points Your program design (pseudocode only) This must be word processed. Hand written inputs will not be accepted. BE CERTAIN to look at the guidelines elsewhere in this homepage for guidance. This is very important.)

_____ 20 points COMPILED source listing(s)
Standards and Structure; Comments, Standard naming conventions, indentation, flower-boxes, etc. BE CERTAIN to look at the sample program elsewhere in this homepage for you to use as a guide.

_____ 40 points OUTPUTS. Program-generated output(s)
Accuracy of outputs (Outputs MUST be accurate); Formats of outputs; filling up each page; centered headers/trailers; "end" page when appropriate; statistics on ALL reports, etc.

_____ 5 points Ancillary documentation: Master File printout; Transaction File printout (when appropriate), printer layout charts, etc. as appropriate.

Total: 100 points

*** minus 25 points - if one class late; Not accepted beyond this date.

□ Projects must be either brought to my office prior to the start of the class on the date the assignment is due or else brought to class at the due time/date. Assignments brought to class *after* the start of class are considered late.

□ Projects must "work" and produce required outputs. If the project is turned in on time, it is assumed all outputs are produced and are accurate. While there may be formatting shortcomings, etc., if a project is turned in with major outputs or features unimplemented, it will be counted as either one class late or unacceptable, depending upon the severity of the deficiencies.

□ NO MATTER WHAT YOUR INITIAL IMPRESSIONS OF THE PROJECT MIGHT BE, START RIGHT AWAY AND "FRONT END" YOUR EFFORTS. THESE PROJECTS TAKE AN AWFUL AMOUNT OF TIME AND REQUIRED TIME IS DIFFICULT TO JUDGE. START EARLY!

ASSIGNMENT

There are two input files associated with this program.

You are to access a file named "3531f1.summer2003", and a file named "3531t1.summer2003" to accommodate the following project objectives:

Input Record Format: 3531f1.summer2003:

rec positions:	1-15	State
	16-30	Capital
	31-32	State Abbreviation
	33-40	State Population
	41-55	Region Name (of the United States)
	56	Numeric designator of region (range 1:6)

Input Record Format: 3531t1.summer2003:

rec positions:	1-15	XXXXXXXXXXXXXXXXXXXX	Region Name (text)
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Output Formats:

(70 character format for home printers and/or lasers. This leaves a little space for the margin)

There are two output reports your program must produce. NSMR001 and NSMR002 are described below.
