

For this assignment, you will turn in a partial design for Project 8. Your submission will consist of two sections.

The first section will be a structure chart, as described in the course notes, showing the relationships among the functions in your design. The structure chart must show ALL of your planned functions and indicate who calls whom. The structure chart will NOT include any information regarding the parameters or return values of the functions.

The second section will be a collection of two or more detailed function designs. You must include designs for the function(s) that you will implement to read and store the vehicle data, and for the function(s) that you will implement to handle a "make" command. ("Handle" includes both carrying out the necessary search and reporting the results.) These function designs must be in the form of design outlines, indicating the major steps that the function will carry out, and the information it will return to its caller, if any. Of course, we believe you should create a complete design for your program. But, to make it easier for the TAs to grade your submission, do not include any additional design work.

DO NOT turn in C++ source code; that is not a design, but an implementation, and it will receive no credit.

A sample design, based on the posted trip computation program has been added to the course website on the Notes page. You should consult that for a detailed example of what is expected.

### **What to turn in and how:**

Your design must be submitted as a single MS Word document. Other formats are unacceptable and will not be graded. The simplest way to draw the structure chart is to use the drawing tools in MS Word. You may use another approach if you like, but bit-mapped drawings (gif, jpeg, bmp, etc.) and scanned hand-drawn images are not acceptable.

Note: the Curator client imposes a file size limit. Actually, this is partially an unresolved bug. If you attempt to upload a file larger than about 2 megabytes, the upload will fail. You will probably note some strange behavior if this happens. Regardless, you will notice that your submission is NOT registered on your Curator home page. This shouldn't be a problem, but be aware of the limitation. If your Word document IS too large, try saving it using a different name; that will often reduce the file size (since it flushes the undo buffer that Word embeds in most documents).

Submit the file containing your design to the Curator System; the assignment will be listed as P8Design. Do not zip the file. Instructions for submitting to the Curator are given in the *Student Guide* at the Curator website:

<http://ei.cs.vt.edu/~eags/Curator.html>.

Be sure to follow those instructions carefully. You will submit your design via the URL:

<http://spasm.cs.vt.edu:8080/curator/>

You will be allowed to submit your solution up to three times. Your last submission will be scored. Note: this assignment will be graded by the GTAs, not by the Curator system. You will not be receiving email from the Curator containing your score, although you will probably receive a confirmation message. You should confirm your submission, including its size, on your Curator Home page.