Program 2: Due 9/13

Write a program that takes a file name as input, reads the file in XML format, and loads the contents of the file in a DOM object. Provide a simple command line interface to print the contents of the document (by traversing the DOM object), explore the contents, and modify the elements. You may use the JDOM parser example as a starting point. Your command line interface should respond to the following commands, any of which may be abbreviated to a single character:

```
SHOW print the contents of the current element
CHANGE param value change the <param> of the current element to value
WRITE filename write the DOM object to an XML text file
NEXT output the contents of the next element
PREVIOUS output the contents of the previous element
EXIT quit the program
```

There may be any number of object_type's in the file. Each may have any number of parameter_name's. Here's an example.

```
<Student>
      <Name> Jose </Name>
      <Rank> Freshman </Rank>
      <GPA> 0.0 </GPA>
</Student>
<Student>
      <Name> Alma </Name>
      <Rank> Senior </Rank>
      <GPA> 3.49</GPA>
</Student>
<Grade>
      <Name>Jose</Name>
      <Assignment>Exam1</Assignment>
      <Value>100</Value>
      <LetterGrade>A</LetterGrade>
</Grade>
```

On startup, your program should read this file and print:

Student: Name=Jose, Rank=Freshman, GPA=0.0 if you enter "C GPA 2.1", your program should respond with Student: Name=Jose, Rank=Freshman, GPA=2.1

If you Write the file, the changes should be written to the specified file.