# The Technical Interview Test

To be given as homework between the HR/culture interview and the tech screen. No more than 3 days in advance.

Your technical interview will be a peer review of a sample application you build. The discussion will center on your use of OO concepts, commonly accepted “modern” software development practices, code cleanliness, design decisions, user experience, and of course functional completeness. **Create and test an application** (console, web, or desktop –your choice) that performs to the following requirements:

* Provide some way to ‘start’ the application
* The application then imports the file found here

<http://seepeoplesoftware.com/component/ars/repository/sample-files-for-easytable/sample-files-for-easytable-1-0.html> and find the link for “Sample CSV File of US Presidents” and download that file.

* Upon successful import, report the following to the screen:
  + Number of Presidents
  + Names of Presidents from New York, in order of when they took office

* Then, allow the User (the person running the application) the option of outputting all of the data in one of three formats:
  + XML
  + JSON
  + "raw" -- this will depend on your application, and up to you as the developer to define. For example, a web application may use a simple tabular list as "raw."
  + Please note all three formats are required
* Provide a way for the User to (easily) start over

Before the technical interview, package the working source code as a zip file and send to me (Patrick Alexander – [patrick.alexander@us.sogeti.com](mailto:patrick.alexander@us.sogeti.com) ) with instructions on how to build/deploy/run. I am not a developer, but will be running the application –keep this in mind! **Include some proof of how you tested your work**.