Namespaces Lab

At this point, we've got a cool convertor, but we still have the opportunity for problems; even if you've encapsulated all of your variables, the very name of our convertor might conflict with another name. It's unlikely, but certainly possible. To solve that problem, let's put the convertor in a namespace.

1. Edit your tests. One partner should change all the tests to refer to the convertor as ourcompany.tools.numbers.romanNumeralConvertor instead of the boring romanNumeralConvertor. (Of course, you're free to change "ourcompany" to the name of your company and "romanNumeralConvertor" to whatever you had named it before.) We just want to make sure there's a namespace involved.

2. The other partner should make the tests pass by changing the convertor to have a namespace.

3. Now let's make it more robust. Both partners should discuss and ensure that the convertor uses appropriate patterns to avoid unreferenced exceptions by explicitly defining the intermediate namespaces. For instance, if ourcompany.tools is defined, it should be used and if not, it should define it. Talk about how that can happen and then make it so.