**Hundred Metres**

<?xml version="1.0"?>

<HundredMetres ...>

<competitor finished="3rd">

<name>John</name>

<lane>2</lane>

<country>ireland</country>

</competitor>

<competitor finished="1st">

<name>Mat</name>

<lane>5</lane>

<country>Norway</country>

</competitor>

</HundredMetres>

Finish the above instance document and write the schema (HundredMetres.xsd) that validates it.

In the schema the following rules must be applied:

* ~~namespace is “http://www. HundredMetres.com”~~
* ~~there can be a max of 8~~ *~~competitor~~* ~~elements~~
  + ~~the attribute~~ *~~finished~~* ~~is an enumeration of the following values “1~~~~st~~~~”, “2~~~~nd~~~~”, “3~~~~rd~~~~”, “4~~~~th~~~~”, “5~~~~th~~~~”, “6~~~~th~~~~”, “7~~~~th~~~~” and “8~~~~th~~~~”.~~
  + note that attributes are defined using the following syntax:
    - <element name=”someElementThatHasAnAttribute”>  
       <complexType>  
       <sequence>  
       <!—the child elements go here -->  
       </sequence>  
       **<attribute name=”someName” type=”someType” />**  
       </complexType>  
      </element>
* *~~name~~* ~~is a string~~
* *~~lane~~* ~~is an integer with a range of 1..8~~
* *~~country~~* ~~is a string~~