**Work Area**

<?xml version="1.0"?>

<WorkArea ...>

<desk owner="John" staffId="ID876">

<phoneNo>ext878</phoneNo>

<computer>yes</computer>

<numDrawers>3</numDrawers>

<companyPosition>Director</companyPosition>

<salaryPerYear>€190,000</salaryPerYear>

</desk>

<desk owner="Mary" staffId="ID232">

<phoneNo>ext122</phoneNo>

<computer>yes</computer>

<numDrawers>3</numDrawers>

<companyPosition>Employee</companyPosition>

<salaryPerYear>€50,000</salaryPerYear>

</desk>

</WorkArea>

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

In the schema the following rules must be applied:

* ~~namespace is “http://www.WorkArea.com”~~
* *~~WorkArea~~* ~~has an unbounded number of~~ *~~desk~~* ~~elements~~
* *~~phoneNo~~* ~~is “~~*~~ext~~*~~” followed by 3 digits~~
* *~~computer~~* ~~is an enumeration of “~~*~~yes~~*~~” or “~~*~~no~~*~~”~~
* *~~numDrawers~~* ~~is a schema integer~~
* *~~companyPosition~~* ~~can be “~~*~~Manager~~*~~”, “~~*~~Employee~~*~~”, “~~*~~Secretary~~*~~” or “~~*~~Director~~*~~”~~
* *~~salaryPerYear~~* ~~follows a pattern (as opposed to minimum and maximum values)~~
  + ~~the pattern covers a range of €10,000 to €999,999~~