**RegExp**

<?xml version="1.0" ?>

<details ...>

<item>

<cost>$123.45</cost>

<quantity>19</quantity>

</item>

<from>

<title>Mr.</title>

<fname>Joe</fname>

<surname>Bloggs</surname>

<address>Athlone, Co. Westmeath</address>

<payment>

<creditcard>VISA</creditcard>

<number>1234123476547643</number>

<expiry>12/05</expiry>

<cvv>123</cvv>

</payment>

</from>

</details>

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

In the schema the following rules must be applied:

* ~~namespace is “http://www.regexp.org”~~
* *~~details~~* ~~consists of~~ *~~item~~* ~~followed by~~ *~~from~~* ~~elements~~
* *~~cost~~* ~~is a string that follows the pattern:~~ 
  + ~~a currency symbol from any language~~
  + ~~followed by one of more digits~~
  + ~~plus optionally: a decimal point followed by two digits~~
* *~~quantity~~* ~~is a string following the pattern: two optional digits followed by one digit~~
* *~~title~~* ~~can be~~ *~~“Mr.”, “Ms.” or “Dr.”~~*
* *~~fname~~* ~~is one uppercase letter followed by one or more lowercase letters~~
* *~~surname~~* ~~follows the same pattern as~~ *~~fname~~* ~~(use the same type)~~
* *~~address~~* ~~is :~~
  + ~~one uppercase letter followed by one or more lowercase letters~~
  + ~~followed by “,”~~
  + ~~followed by a space~~
  + ~~followed by “Co.”~~
  + ~~followed by a space~~
  + ~~one uppercase letter followed by one or more lowercase letters~~
* *creditcard* can be “VISA”, “Access” or “Mastercard”
* *number* is 16 digits long
* *expiry* is 2 digits followed by “/” followed by 2 digits
* *cvv* is 3 digits long