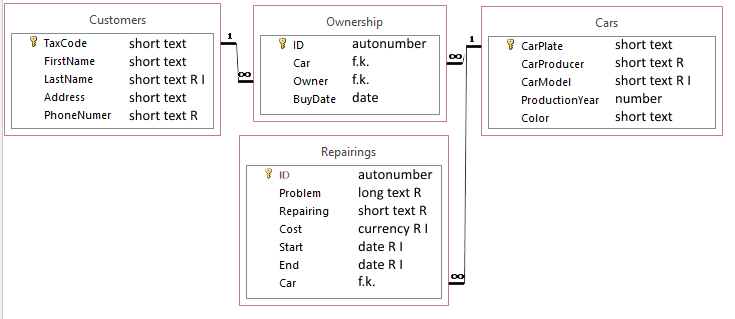
Exercise Relational databases



Primary keys are R and I. Foreign keys are of the same type as the corresponding primary key.

FirstName is not required in case the owner is a company. End is not required as repairing can still be ongoing.

Validations:

End >= Start or End is Null

Cost >= 0

Query: which repairing did we do yesterday on Mr Smith’s car?

Summary query (please note that I do indicate WHICH one is the summary query): list the customers who spent, for their cars, more than 1000 euro in 2015.

Exercise Theoretical questions

For each sentence, check either the TRUE or the FALSE box.

**TRUE  FALSE  You have written your name above on this paper**

**1000 Gigabytes are approximately:**

TRUE  FALSE  1000 MB   
TRUE  FALSE  1 million MB   
TRUE  FALSE  10 KB   
TRUE  FALSE  1000 KB   
TRUE  FALSE  1 GB   
TRUE  FALSE  1000 GB

**This is hardware:**

TRUE  FALSE  hard disk  
TRUE  FALSE  operating system

**To compress the file C:\Windows\Myfiles\document.doc on a unibz computer:**

TRUE  FALSE  it is necessary to copy or move the file to your Desktop first

TRUE  FALSE  it is necessary to compress the whole directory C:\Windows\Myfiles

TRUE  FALSE  right click the mouse on the file, choose IzArc and you find “Add to document.zip”

TRUE  FALSE  right click the mouse on the file, choose IzArc and you find “Add to Archive…”

TRUE  FALSE  it is not possible to compress a single file

**With only “Read” and “Read & Execute” permissions on a file, you may:**

TRUE  FALSE  delete it

TRUE  FALSE  open it

TRUE  FALSE  copy it

TRUE  FALSE  execute it (if it is a program)

TRUE  FALSE  rename it

**This university building in Piazza Sernesi and the Athesia bookshop website are:**

TRUE  FALSE  on the same LAN   
TRUE  FALSE  on the same WAN   
TRUE  FALSE  connected via the Internet

**This program is a web browser:**TRUE  FALSE  Outlook  
TRUE  FALSE  Windows 7  
TRUE  FALSE  Eudora  
TRUE  FALSE  Mozilla Firefox  
TRUE  FALSE  IzArc  
TRUE  FALSE  Adobe Acrobat Reader  
TRUE  FALSE  Mozilla Thunderbird

**Under perfect conditions ADSL connection is faster than**TRUE  FALSE  LTE   
~~TRUE  FALSE  UMTS~~TRUE  FALSE  Wi-Fi

**An antivirus:**

TRUE  FALSE  is always proprietary software

TRUE  FALSE  is dangerous for the computer

TRUE  FALSE  may slow down an old computer if kept continuously running

**If your email account continuously receives spam:**TRUE  FALSE  you reply to some emails asking to be deleted from the customers’ database

TRUE  FALSE  your email address probably appears on some public websites

TRUE  FALSE  it is a good idea to set up an antispam on your mailbox

**To close a locked application you may try to:**TRUE  FALSE  press CTRL+ALT+DEL and kill the application

TRUE  FALSE  open the Task Manager and kill the application

TRUE  FALSE  press CTRL+ALT+ESC and kill the application (it is CTRL SHIFT ESC)

TRUE  FALSE  press the \_ symbol on the upper right corner of the application’s window

**You want to transmit a file such that only the receiver can read it and**TRUE  FALSE  you encrypt it with your public key

TRUE  FALSE  you encrypt it with your private key

TRUE  FALSE  you encrypt it with the receiver’s private key