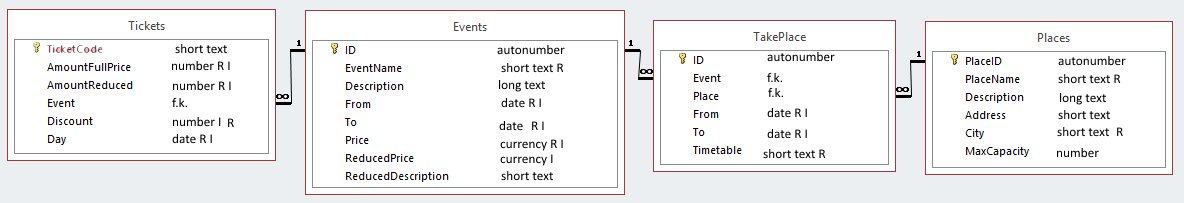
Exercise Relational databases: **A POSSIBLE** solution

**Event manager**: this temporal database organizes the work of an event manager agency, a company that organizes events and exhibitions. The database must have data on each event, where it takes place and all the individual sold tickets. Each event can take place in different places. Each ticket is valid for the event for all its places but only for one day. The database must be able to answer the question “How much did we gain from events in 2015 which took place in Fair Palace?”



From and To in table Events represent the event starting and ending dates of the event, in table TakePlace of the event using that place. Timetable in table events is an unstructured field with the detailed timetable: since it can be very complicated and with a lot of variants an unstructured field has been used.

Discount is required with a default value of 0, otherwise a Null value will block all the calculations. Prices are fixed for all the event. A ticket can be collective, with an amount of reduced and an amount of ordinary prices. This was not required by the exercise’s text: you can instead have a table for individual tickets with a field Type if you want to handle also the reduced prices.

All primary keys are R and I. ReducedPrice is not required as there might be no reduced price for an event.

Validation rules: From <= To, MaxCapacity is Null or >0

Query 1) where does the Flower Fair takes place this year?

Summary query) how many people entered the Flower Fair this year?

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**

**2 TeraBytes are approximately**

TRUE  FALSE  2 000 MB  
TRUE  FALSE  2 000 GB   
TRUE  FALSE  2 000 000 GB

TRUE  FALSE  2 000 000 000 KB

**A copyleft software:**

TRUE  FALSE  can be distributed  
TRUE  FALSE  can be changed  
TRUE  FALSE  can be changed and converted to proprietary  
TRUE  FALSE  is proprietary

**When sending an email from a PEC address to another PEC address**

TRUE  FALSE  it is like sending a standard “Raccomandata”

TRUE  FALSE  you have a sent proof

TRUE  FALSE  you have a dispatched proof when the email arrives

TRUE  FALSE  you have a read proof when the email is read

**TURN PAGE 🡪**

**Using a compression program**TRUE  FALSE  you may reduce the files size up to 90%  
TRUE  FALSE  you may pack several files into a single one  
TRUE  FALSE  you may encrypt the files to make them unreadable without your private key  
TRUE  FALSE  it automatically checks the files for viruses

**A .zip file can be opened by**

TRUE  FALSE  Notepad   
TRUE  FALSE  Adobe Acrobat Reader  
TRUE  FALSE  Excel  
TRUE  FALSE  7-zip

**When downloading with UMTS in perfect conditions, you are faster than**

TRUE  FALSE  ADSL in perfect conditions

TRUE  FALSE  LTE in perfect conditions

TRUE  FALSE  WiFi in perfect conditions

TRUE  FALSE  4G in perfect conditions

**VoIP**

TRUE  FALSE  is an alternative to a traditional telephone system   
TRUE  FALSE  can be used to call other computers   
TRUE  FALSE  can be used to call mobile phones   
TRUE  FALSE  can be used to call local phones

**A virus may arrive on your computer**

TRUE  FALSE  in a USB pendrive that you plug in

TRUE  FALSE  in a DVD that you slide into your computer’s DVD-reader

TRUE  FALSE  attached to a good program than you download from the Web

TRUE  FALSE  as email attachment

**This is a sign that probably your computer has a virus**

TRUE  FALSE  computer is slow to start, despite being new

TRUE  FALSE  a lot of advertisement appears while using your browser

TRUE  FALSE  you do not receive emails anymore

TRUE  FALSE  in the Task Manager unknown programs are listed

**When receiving an email from your bank informing you of new security procedures to be activated,**

TRUE  FALSE  you click on the indicated link to activate the new security measures

TRUE  FALSE  you visit the bank website to check it, typing the address with your fingers

TRUE  FALSE  you reply to the email asking for clarifications

TRUE  FALSE  you run the antivirus

**RAID**

TRUE  FALSE  means Repetitive Absolute Interactive Devices

TRUE  FALSE  is a system composed of several disks

TRUE  FALSE  is a safe backup system

TRUE  FALSE  is an antivirus tool