Project 1 (Part 1: Design DB)

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**Venue**( VCode , VAddress )

DNA/UC

**Sport\_complex**( SName , SAddress , Open\_hours , ManagerID , SType )

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**Type\_complex**( Name\_type , Surface , Nsports , NOutdoor , NIndoor )

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**Employee**( IDe , Name , Surname , Type\_employee , Phone , Email\* )

**Facility**( Code\_venue , ID , Capacity , ManagerID , SupervisorsID , Type\_facility , Staff )

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**Restaurant**( IDFac , Type\_food , Foods )

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**Hotel**( IDFac , nDelegations )

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**Delegation**( NameCountry , nAtheletes , Check\_in , Check\_out )

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**Athelete**( ID , Name , Surname , Food , Sport , Birth\_date , Height , Weight , Phone , Email\* )

**Event**( Date , Address , Duration , nParticipants , nOfficials , Equipment )

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**OlympicOfficials**( IDo , Type\_officer )

**Domains:**

* Equipment = {bows, poles, parallel bars,etc}
* Nsports = {“one sport” , “multi-purpose”}
* Type\_facility = {hotels, restaurants, apartments}
* Type\_officer = {judge, observer}
* Type\_employee = {manager, supervisor, maintanance, cleaning, officials, security}

**Semantic assumptions to the statement:**

* One or several sports can be performed at each complex centre.
* The food from each restaurant can belong to just one country or to various countries.
* An hotel can put up with 1 or more delegations.
* Each complex can carry out diverse events.
* An athelete can compete in more than one event.
* The information about the events and its dates where athelets are participating is relevant for the facilities so they can arrange transport.

**Semantic assumptions to the scheme:**

* The address of the event must be the same as the address of the sport complex

