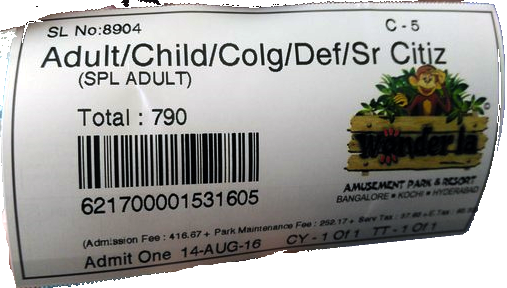
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You have only 3 sheets of blank A4 paper, do not ask for extra ones. You have 40 minutes starting from now.

Exercise Relational databases

Draw the schema of this database, using at least (more if necessary): 3 tables, a junction table, 15 fields in the entire database. Try to make the database as complete as possible, keeping it simple and not contorted. You must indicate very clearly field names, Access field types, primary keys, relations with their “1” and “many” sides and the fields involved in the relations, required fields, indexed fields, at least two validation rules. For all the fields whose name is not obvious, you must also include a small comment that lets everybody understand what the field should contain. You must also justify non-standard choices.  
Moreover, suggest one new query (in English, not in Access nor in SQL) that involves at least two tables.



**Amusement park**: this temporal database handles the tickets and customers’ behaviours in an amusement park. Customers pay only one ticket at the entrance, whose cost depends only on the type of ticket (adult, children, member of large group, season ticket, etc.). The ticket has a barcode and is valid for unlimited entrance to all attractions in the park, but it must be scanned at every attraction’s entrance. The database must record the activities of each individual ticket. The database must be able to answer the questions “On Sunday 30th May, how many people went to attraction Observation Wheel and then went to attraction Roller Coaster in the following half hour?” and “How much did we gain from adult tickets in 2016?”