

Assignment 1 feedback for James La Fontaine (1079860)

Criterion	Available marks	Your mark
Conceptual Diagram		
Entities + Keys	4	4
Attributes	3	3
Multivalued / Composite / Derived attributes	2	2
Relationships	3	3
Key Constraints	3	3
Participation Constraints	3	2.4
Clarity / Readability / Correctness of notation	2	2
Physical Model - General Criteria		
PK/FK/PFK	4	3.2
Complexity Test (Superfluous Entities & Attributes)	3	3
Simplicity Test (Missing Entities & Attributes)	3	3
Data types	4	4
Null/Not Null	2	2
Relationship Labels	3	3
Understandability and readability of model in PDF file	3	3
Relationships: Cardinality	5	4
Relationships: Participation Constraints	4	3.2
Relationships: identifying, non-identifying	4	4
Physical Model - Business Rules		
Can we store personal details for 'Positive Cases' in the DB? Do positive cases's details include all required attributes (names, DOB, address, email, MULTIPLE phone nums)	3	3
Can a person be associated with multiple tests? Do tests store the date and outcome?	4	4
Are tests associated with the testing center they were received from? Do testing centers record the current wait time, operational status, location, opening hours and mode of testing?	3	3
Can primary contacts details be stored? Do they reuse the 'person' table used for storing positive cases? Can a person have multiple primary contacts over time, and is the date of these recorded?	5	4
Can a cases' infectious period be stored? Can we relate a person to a case/positive result and to the test that resulted in that positive result?	5	5

Criterion	Available marks	Your mark
Can a 'positive case' be associated with a set of symptoms? Is the time of each symptom's onset + withdrawal recorded? Are symptoms stored as a lookup table?	3	2.4
Can a positive case be related to an exposure site? Is the date and tier of the exposure event recorded? Can one case have many exposure sites?	6	4.8
Do sites store the address/sitename/latitude/longitude/type? Is site type stored as a lookup table? Can one 'site' have many 'exposures' without duplicating all of the site details?	5	4
Can a site keep a record of ALL previous exposures' details (including tiers), not just the most recent?	4	4
Can we store permit details? (dates of issue/expiry, list of conditions?) Are permits linked to a person, and are the person's details stored in line with positive cases / close contacts reusing same entity?	3	3
Are permits linked to a region? Does a region have an identifier (eg a country, postcode etc: allow for international identifiers too) Do regions have a current 'zone rating' which comes from a lookup table/enum?	4	2.4
Penalties		
Late penalty (if applicable)		0
Overall mark for Assignment 1	100	91.4

Personal feedback

Hi James, very well done on the assignment.

I don't have many things to say regarding your submission as there are gvery little inaccuracies.

Person-Symptom can be modelled as many-many relationship.

ContactDate are not recorded.

TimeArrived should be a PK.

Zone Rating can be modelled as a lookup table.

Feel free to send me an email at firman.otto@unimelb.edu.au if you have any questions regarding your submission.