**ER Diagram Draft 1 Feedback**

01:57:10 in lecture

Country table

* Multiple currencies and languages? Something to consider most popular language, most used currency?
  + Primary\_language\_id
  + Primary\_currency\_id

Room\_booking

* Checkin date and duration maybe shouldn’t be kept at roombooking level. Maybe they should be in booking table as all the room\_bookings probably start at same time/ last same length. Consider in assumptions

Room

* Means a hotel with 100 rooms requires 100 records, best? Prob ok - revisit

Room\_type

* Mins and maxes might
* Room\_image table?
* Remove images FK. Create room\_type\_images table?

image

* Stores all images.
* Desc/ or alt-text

Hotel\_image

* Technically allows an images to be used by many hotesl
* Tried to do a 1:0

review

* booking\_contact\_id to identify reviewer?
* Can a booking contact be reused?

flight

* don’t need to store all 3 dates/times – some are derived/ computed?

Booking\_passengers

* just link booking id to passenger id
* room id probably better off in room\_booking, but he said you could simplify and remove if wanted

review

* booking\_contact\_id to identify reviewer?

**General**

Be sure to specify jet2 time and not localised time somehow – justify: this is jet2 british time or pick eg utc

**Others Diagrams**

* Booking timestamp worth considering
* Consider gps\_address, maybe better to have gps table, and link all gps needing tables to it? Dunno
* PRICING IN flight table is ok – price at flight level is good
  + Don’t have them as attributes in flight table
  + Flight\_price table more appropriate
* Room pricing on room type fine if room type has a link to a specific hotel
* A lead passenger has to be a customer depending on relation setup. But this might not be relevant to our table. Have a look.
* If a passenger books a table next year do we reuse the passenger id???
* Payments maybe just need to hold booking id to link to booking, potentially
* Maybe a booking\_status table linked to booking, so that it is easy to cancel a booking?
  + Consider cancellation craic
* Graphical user interface, text, application

  Description automatically generated
* Availability can be reduced to room availably, sez neil.
* Worth noting external apis, ie didn’t normalise postcode as an external api does it etc etc
* It is reasonable to use gbp currency only in booking table as it’s a British package holiday provider, and perhaps the currency table is somewhat redundant, worth looking at it.
* Great circle distance function
* Town -> regions -> country relation chain:
  + The question then is… what happens if you don’t have a valid region etc
* Lookinto discounts
* Look at big table shown at 01:21:36 as I spaced out
* Tested currency type on website while on vpn and was still gbp
* Aircraft confirmed out of scope
* **Utf8\_general\_ci collation**
* As part of a select, variable assignment requires := operator not just =
* Go through db and look at nulls/ not null and justifications for choices thjere
* Need to decide on naming conventions for tables and foreign keys, like do all FKs need prefixed with their table names really?
* Prob worth looking at this:
  + Graphical user interface, application

    Description automatically generated