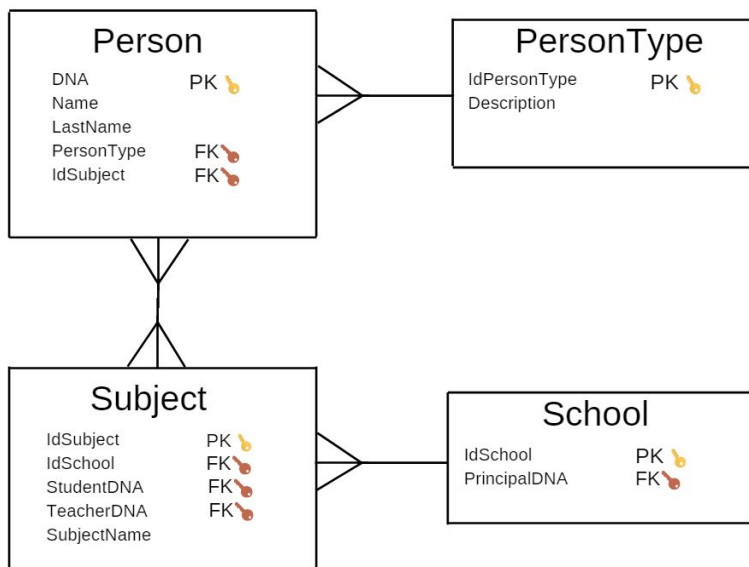# Developer Hiring Exam

Exercise One

C)

D) *Consider that I want to query all the people in the database and the engine is taking too long to respond. Which are the possible solutions? How would you determine the problem?*
Answer:
      Considering that I just need the DNA of the people I would make a View containing just the peolple's DNA.
If the DNA is not enough information, I would create an index for the order that I need all those people, but that would have impact on the query from point A).
If it's still taking too long, I would …

E) *I want to query all the students which ages are between 19 and 22. How would you optimize this query?*
Answer:
Building an index by Age on the Person table or creating a View containing just the Students with an age Index.

F) *I want to delegate the saving process to the database engine instead of having it on the application side, which database utility would you use?*
Answer:
I would create Store Procedures that can manage the saving process without interacting with the application side.

BOOKING

User

Password

Sign In

First thing to do, log in to make a booking.

BOOKING

Meeting **1**

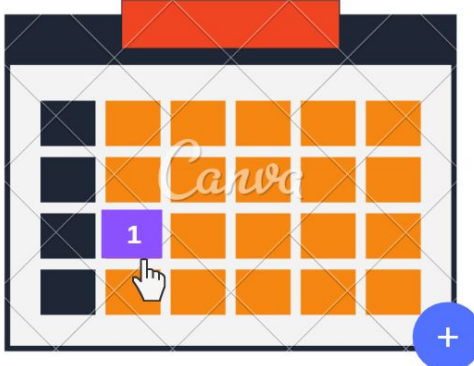Organizer:
YOU

Participants:

Participant1 X
Participant2 X
Participant3 X
Participant4 X

ADD PARTICIPANT

1

+

Once you're logged in, you can click on a meeting to see the information, and if you are the organizer you are going to be capable of editing it.

BOOKING

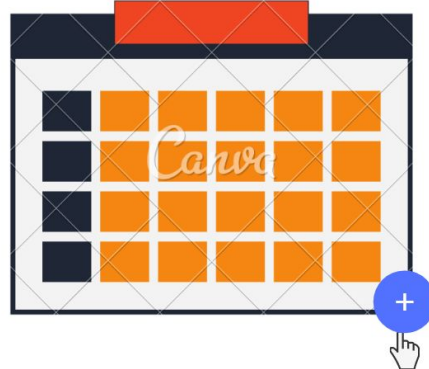**New Meeting**
From:

To:

Participants:

Participant1 X
Participant2 X
Participant3 X
Participant4 X

ADD PARTICIPANT

And if you want to make a new reservation, just click on the Add button and make the reservation you desire.