SKILL 09 TEST PROJECT DATABASE DESIGN

Specification of proposed database

for Marathon Skills 2016

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BACKGROUND TO PROPOSED DATABASE

Marathon Skills 2016 will be held in New Zealand. The organisers are going to offer accommodation packages to runners and supporters. There will be a variety of options and your task is to design a database to help manage all of the accommodation options.

Refer to the notes below about the requirements of the database.

*NOTE: You do **NOT** have to build the database. No data is required. You need to provide an ERD and data dictionary that define the database.*

THERE WILL BE DIFFERENT TYPES OF ACCOMMODATION:

- Hotel
- Apartment
- Homestay *(This is when the guest will stay in the home of the owner. The owner will remain in the property at the same time.)*
- Home lease *(This is when the owner will vacate their own home and let the visitors rent it for a period of time.)*
- Camping ground *(The visitors may stay in tents that have been provided or they may just reserve a camping site and bring their own tent.)*

INFORMATION THAT MAY BE STORED ABOUT EACH TYPE OF ACCOMMODATION:

- Number of bedrooms
- Number of bathrooms
- Star rating (unrated, 1, 2, 3, 4 or 5 stars)
- Is there a bath?
- Is breakfast included?
- Is parking available?
- Is there Wi-Fi?
- Is there cable TV?
- Are children permitted?
- Is there access for disabled visitors?
- Are pets permitted?
- Extras – e.g. swimming pool, sauna, spa, gym
- Anything else you think is relevant

MANAGER / OWNER DETAILS

- For hotels, apartments and camping grounds you need to store the following details: manager name, contact address, phone number, fax number, email address, and office opening hours.
- For homestay and home lease you need to store the following details: owner name, contact address, phone number, and email address.

COST STRUCTURE

HOTELS

Marathon Skills has negotiated set rates depending on the number of stars a hotel has. This means that all 5 star hotels will charge the same over the marathon period, so will all 4 star hotels, etc.

Guests pay a nightly rate per room. There might be an additional charge for an extra person in a room. This charge might be different if the extra guest is a child. Some hotels offer a weekly rate.

APARTMENTS

Guests pay a nightly rate per apartment. Some apartments offer a weekly rate.

HOMESTAY

The owner will charge a nightly rate per room.

HOME LEASE

This type of accommodation has minimum stay periods – e.g. 5 days or 1 week.

CAMPING GROUND

Guests pay a nightly rate per camp site, regardless of how many people stay there.

If a visitor wants to hire a tent, then the cost depends on the type of tent. Camping grounds offer the following types of tent:

- 2 person tent
- 4 person tent
- 6 person tent
- Luxury tent

Tents are hired at a nightly rate based on the type of tent.

PHOTOS

Each type of accommodation can have multiple photos stored for it.

RESERVATIONS

The database will need to hold details of dates that each property is available to be booked.

The database must store details of reservations. A guest might be asked for a deposit when they book.

The following details need to be stored about a guest making a reservation: name, email address, phone number, home address, and their role at Marathon Skills 2016 (competitors, supporters, etc.).

PACKAGES

The organisers of Marathon Skills 2016 have put together some packages for tourists. The different types of packages include a combination of items, such as:

- Tours
- Meal vouchers
- Tickets to opening and closing parties
- Transport to the race
- Supporters' kits. There will be different kits available that are custom made for specific countries – each kit will include items such as flags, hats, banners, stickers, etc.