A2 ICT PROJECT PROPOSAL FORM

Candidate name: Yanni Kwok
Project Title: Kart Racing Centre Registration

My users are the owner of the centre and two receptionists

Problem Description:

  Currently the users use paper name card for new customers' registration. The card is used to record all the customers' details. E.g. name, address, Tel no, date of birth, etc and to know if they want any instructor to give them instructions and how much it cost for the membership fees. Fees are charged depending on the type of session booked and extra cost for instructor help. After that a membership card will be issued.

   Members have to book before they come, because there are only 25 karts available for each session. There are 5 sessions a day, so members have to book for sessions* and instructors* (if they needed).

   *** There are 2 full-time and 4 part-time instructors in this center. If the members need an instructor, the receptionist will look for their time-table from a notebook to see any one of them is on duty.
   *** The 5 sessions are one new learner session, one training session and three sessions of open race, 2 hours per session.

   After receptionists jotted down all the booking details, they will then write them properly and tidily on a dairy.

   Problem with this are it is difficult to find all the information from different files and too complicated to record all the details. They can't easily to find out how much the members need to pay. It is difficult to analyse the business. This procedure is also wasting a lot of time.

My users need to be able to:
  - Record who has made the booking or canceling the booking
  - Use the system easily with little training or PC experience
  - Work the system with keyboard and mouse

My system objectives are:
  - To record details of all the members and the register date will be recorded.
  - To produce report to show all members and instructors and total of people come to play.
  - To find and report all the member need to pay for their membership renewal
  - To allow search by member ID. Full reporting menus will be implemented with options of weekly/daily sessions time table for specified instructors or members.

My system is cyclical because:

The booking can be renewed and can be cancelled. Also, at the end of a day, they can delete all the booking of that day, so that the system can be update.

My system will help management make effective decisions because:
- If they know how many customers come, they may need to buy more karts more instructors.
- They may need to do some promotion or discount to attract more people come to play

Data to be captured are:
- All the customers' details- name, address, Tel no, date of birth, sex, etc
- Instructor name and Tel no.
- Who record the booking
- When the member first register

Processing to be carried out is:
- Make a queries to look for the record
- To calculate the membership fees and cost of every session
- To make a report for instructors/ members
- To make a form to enter new booking

Outputs to be produced are:
- Report of a booking record by date, member ID or Instructor ID
- Receipt for customers

Member table
Member ID
Title
Surname
Forename
Address
Tel No
D.O.B
Sex
Register date
Instructor needed
Issued card
Cost of membership fee

Instructor table
Instructor ID
Title
Surname
Forename
Tel No

Booking
session no
member ID
instructor ID
Date
Time
No. of session
Session type

Session type table
Session type
Cost

Accessories
Helmet
Suit
Shoes
Gloves
Anti-Heat Protector
Neck Protector