Analysis

Introduction and Background

Project skateboarding is a skate shop open in Pottingers entry, Belfast. They sell skate clothes, bags, hardware and safety gear (Helmets, pads etc…). About three or four months ago, they opened up a small skate park in Ballygowan. Being constructed in converted barns, with only a few ramps, the popularity of this park took the owners by surprise. Many young skaters signed up to become members, which would enable them to get in at cheaper prices, but many visitors didn't apply for membership. Currently, there are plans to open another similar park in Glengormely. Project think that this will increase the number of members that they currently have.

Problem Identification

If this is the case, then their current manual system, which is a hand-written list of members, will have to be replaced with a new computerised system, with a database which could be updated at the shop as soon as a new member applies, and then the new file could replace the old one at the two parks at the end of the day.

They would also like to implement a new system for keeping track of all their suppliers. The current system, which is hand-written, is very slow and unclear. They would like a new database where everything is clear, precise and available at a glance. Their current suppliers are listed as follows:

Clothing:	Footwear:	Hardware:
TSA	Etnies	Independent
Pash	Emerica	Volcom
Peterweth	Adio	Fury
Combo	éS	Orion
Susst	Hawk	Accessories:
Gv	DC	Eastpak
Chipie		
Kronk	Decks:	Safety Gear:

Tussy	Girl	Triple Eight
Freshjive	Zero	
Road	World Industries	Griptape:
Addict	Adio	Jessups
Zoo York	Unabomber	
Bench	Toy Machine	Wax etc…
Hooch	Reaction	Powell
Blueprint	Flip	
Girl	Shorty's	

The system which I am proposing is not a very high-tech system, but all that is needed is a database and a printer. Therefore, systems can be purchased for all three areas: the store in Pottinger's Entry, the park in Ballygowan and, when set up, the park in Glengormely.

I propose that Pentium I's at 200mhz with 16mb RAM with 3.5" floppy drives and no CD-ROM drive with a dot-matrix, black-and-white printer are purchased. This will be reasonably cheap, and the operating system supplied will come with a database package.

Potential Users

The potential users are the owners of the parks, the managers of the store and any other people involved with membership. Current members should, from time to time, also be able to have read-only access to check if their details are correct. They will want to see membership lists and they will also want lists of their current suppliers.

Outputs

The users will have to able to see at a glance:

- Name of member
- Date of member's birth
- Address of member
- Date of registration (Membership lasts for one year before having to be renewed) A message will pop up on the screen when this runs out.
- The users will have to search for certain member's names
- A mail merge system for promotional items, notification of renewing membership

- **Current suppliers of products**
- **Which suppliers supply which products**

and print them out if necessary

Inputs

Members:
- **Full name**
- **Address**
- **Telephone number**
- **Date of Birth**
- **Date of registration**

Suppliers
- **Name of supplier**
- **Products supplied**
- **Price of products**
- **Type of products**

Objectives

I want the system to be able to:
1. **Show a list of members and their respective details**
2. **Update the membership list quickly and easily**
3. **Notify when someone's membership is outdated**
4. **Show the current suppliers and their product descriptions**
5. **Search for a certain member**
6. **Search for a certain supplier/product**