Analyse

Source:

- Intel® Viiv™ Core™ 2 Duo E6320 Processor (1.86GHz,1066MHz,4MB cache)
- Genuine Windows Vista™ Home Premium - English
- 2048MB 667MHz Dual Channel DDR2 SDRAM [2x1024]
- Dell™ 20" Black Wide Flat Panel (E207WFP) - UK/Irish
- 500GB Serial ATA RAID 0 Stripe [2x160GB 7200rpm drives with DataBurst™ cache]
- 16X DVD+/-RW Drive
- 256MB nVidia™ GeForce 8600GTS graphics card

This high performance workstation has the ability to design, edit and make the Nike town Database with ease.

The Computer contains the new Intel Core 2 Duo technology which acts as 2 processors which will allow the computer to maintain many programs and applications without being under hardly any strain. To backup this high performance technology it comes with Windows Vista Home Premium. It also comes with 2 Gigabytes (2048Mb) of memory. This will allow the computer to run many programs/applications without struggling. Also included with the package is a 20" flat screen monitor which will allow any customers that come into the shop to view and find any data throughout the database with ease. The 500GB Hard Drive will allow the company to store a lot of information and many other types of files such as movies, music and photos. The nVidia GeForce graphics card will allow the user of the computer to experience amazing graphics on the database for any images or colours that appear on the Database. This will make the database more interesting.
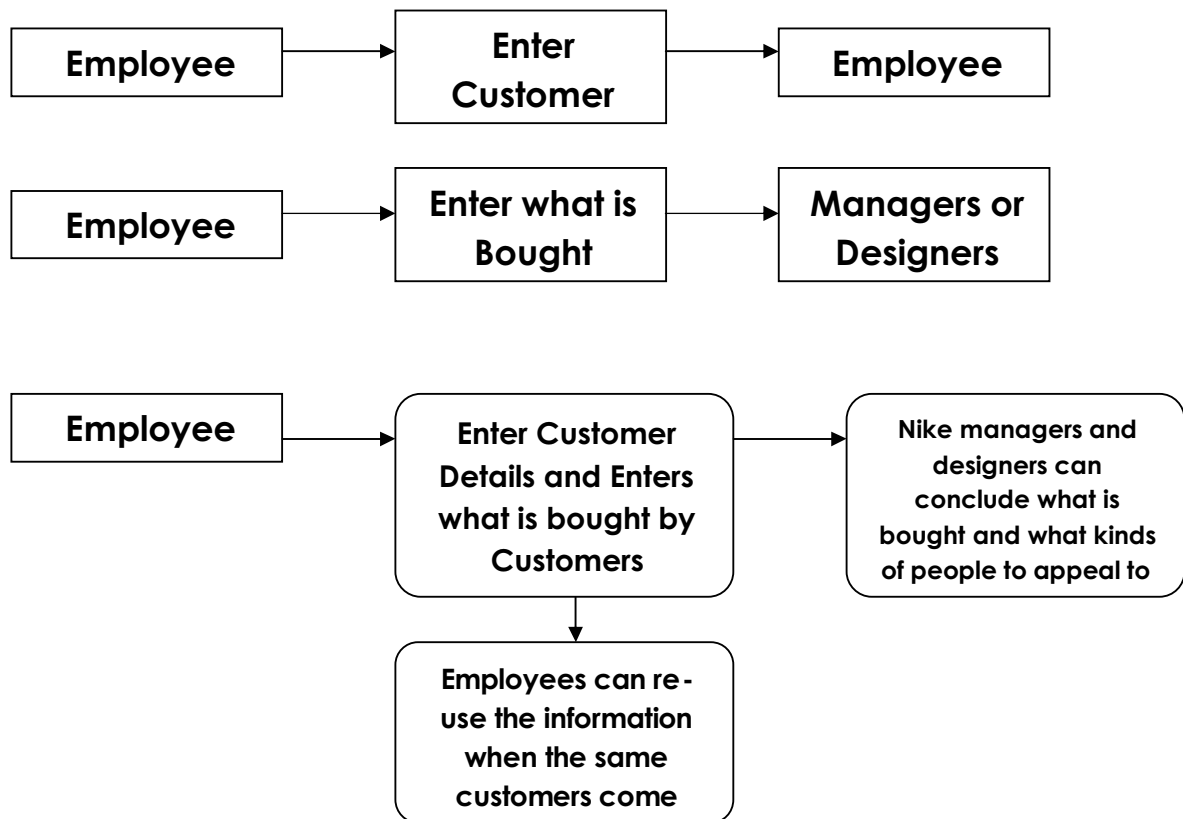
The PC will be used by the Nike Town employees and managers, mainly the managers to edit, retrieve and use information in the database.

Software

The software that will be used for the creation of this Database will be Microsoft access. Access is an excellent database creating software, which may not be very easy to use but once made the outcome is absolutely fantastic. Access 2002 allows the database to be compatible with earlier versions of access which helps when other computers with the older versions needs a copy of this database.

Data collection and Input

Every time a customer buys something their details will be entered into the database and when they buy something else at another time employees can find these old details of the customers.

Employee	→	Enter Customer	→	Employee

Employee	→	Enter what is Bought	→	Managers or Designers

Employee	→	Enter Customer Details and Enters what is bought by Customers	→	Nike managers and designers can conclude what is bought and what kinds of people to appeal to

Enter Customer Details and Enters what is bought by Customers → Employees can re-use the information when the same customers come

Data Manipulation

The tables in the system will be customer, payment and product.

CUSTOMER [Customer ID, Surname, First Name, postcode]

PAYMENT   [Payment ID, Payment Type, Customer ID, Product ID]

PRODUCT   [Product ID, Product Name, Product Type]

9 Reports need to be produced. 6 Queries need to be produced.

Output

The Reports should be seen on a computer screen either of 19" or 20" so they can be viewed easily. As the hardware comes with a 20" screen this is ideal. Also these reports may need to be printed so there must also be a printer.

If sound is incorporated into the Database speakers will be needed to hear the sound or video if there is any in the Database.

A mouse and keyboard may be needed if the user would want to edit, retrieve or use any of the information however only the employees would be able to do this.

Security and Backup

The Nike Town Database will have to be backed up. There are many ways in which this can be done. For example it can be put onto a:

USB stick, Floppy Disk, CD or External hard-drive. It could also be put on another computer or on many different computers. The Files will be backed up by memory stick because it is small and reliable and the files cannot be lost easily. However the database will also be uploaded to a safe place on the internet just in case the USB stick is lost or damaged.

The database will be read-only to customers but will be able to be edited by higher members of staff. It will also be password protected just in case somebody does get into the hard-drive or manages to get hold of the access files.

The computers holding the information on the database will have leading brand antivirus software to prevent virus's damaging the PC and mainly to stop hackers getting into the computer and destroying or editing valuable software.