

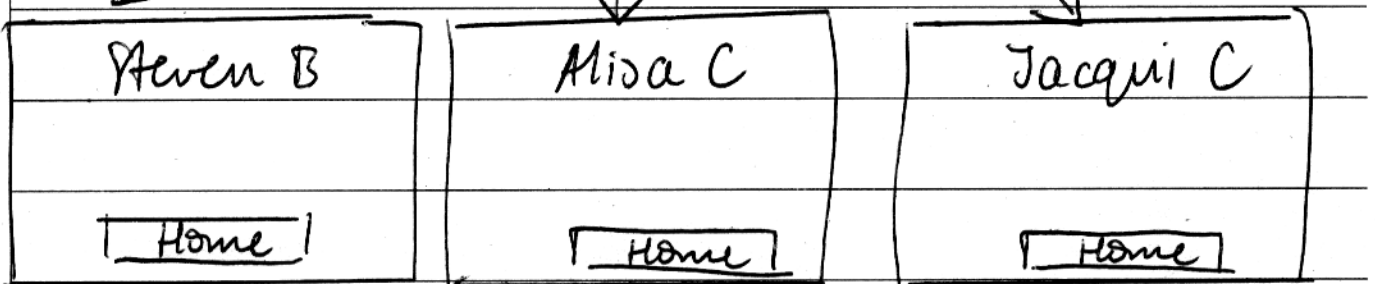
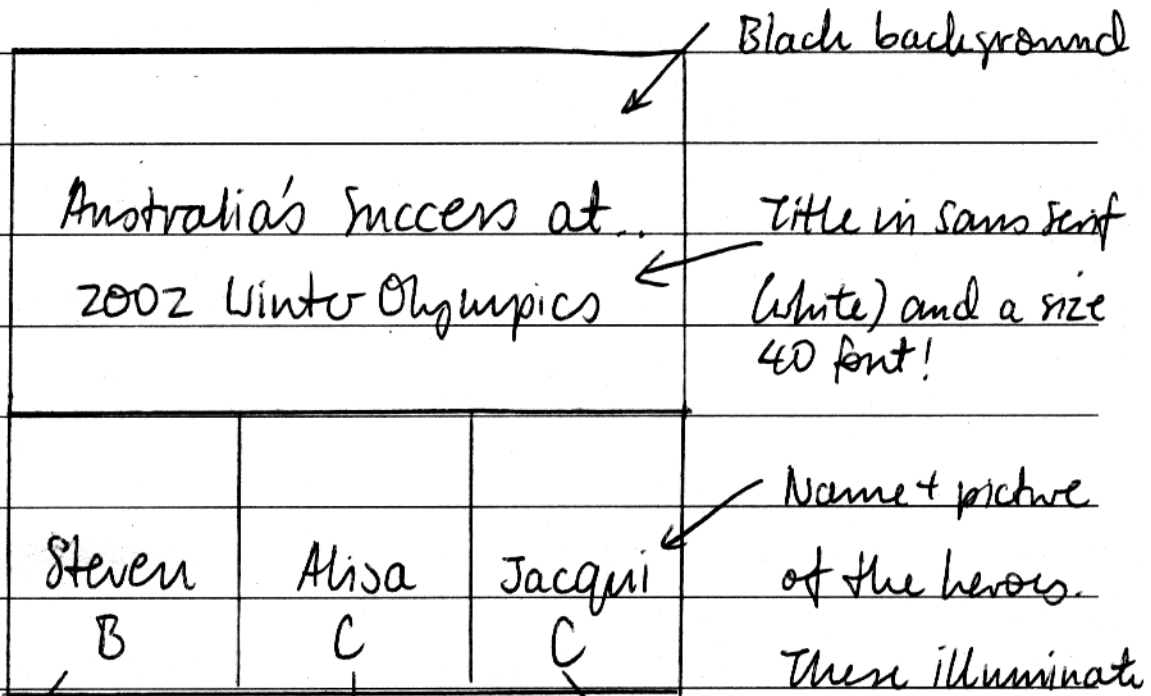
28 a) i) LCD is more light and uses liquid crystal that is in between 2 electrodes to display the image. In other words, it uses a flat-screen that may produce finer-quality images and the overall screen uses less power, heat and energy.

CRT is a cathode ray tube screen that makes use of electrons that are fired onto a phosphorus-coated screen. CRT uses raster scan to refresh the image because the phosphors only glow temporarily.

ii) Path-based: animation method where the path of a moving object is defined but the background stays the same (reducing storage, processing ~~or~~ requirements). The moving object is wiped, then replaced in its new position.

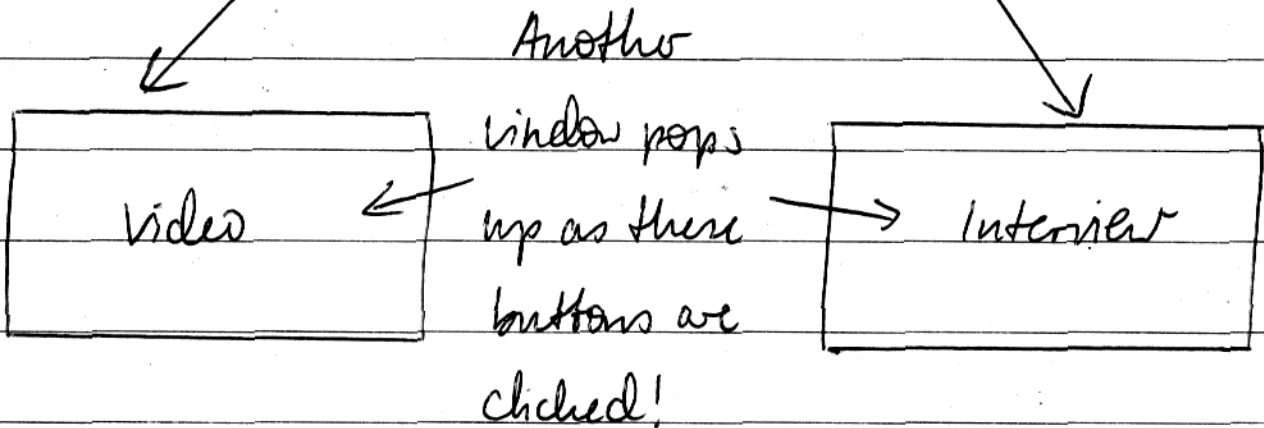
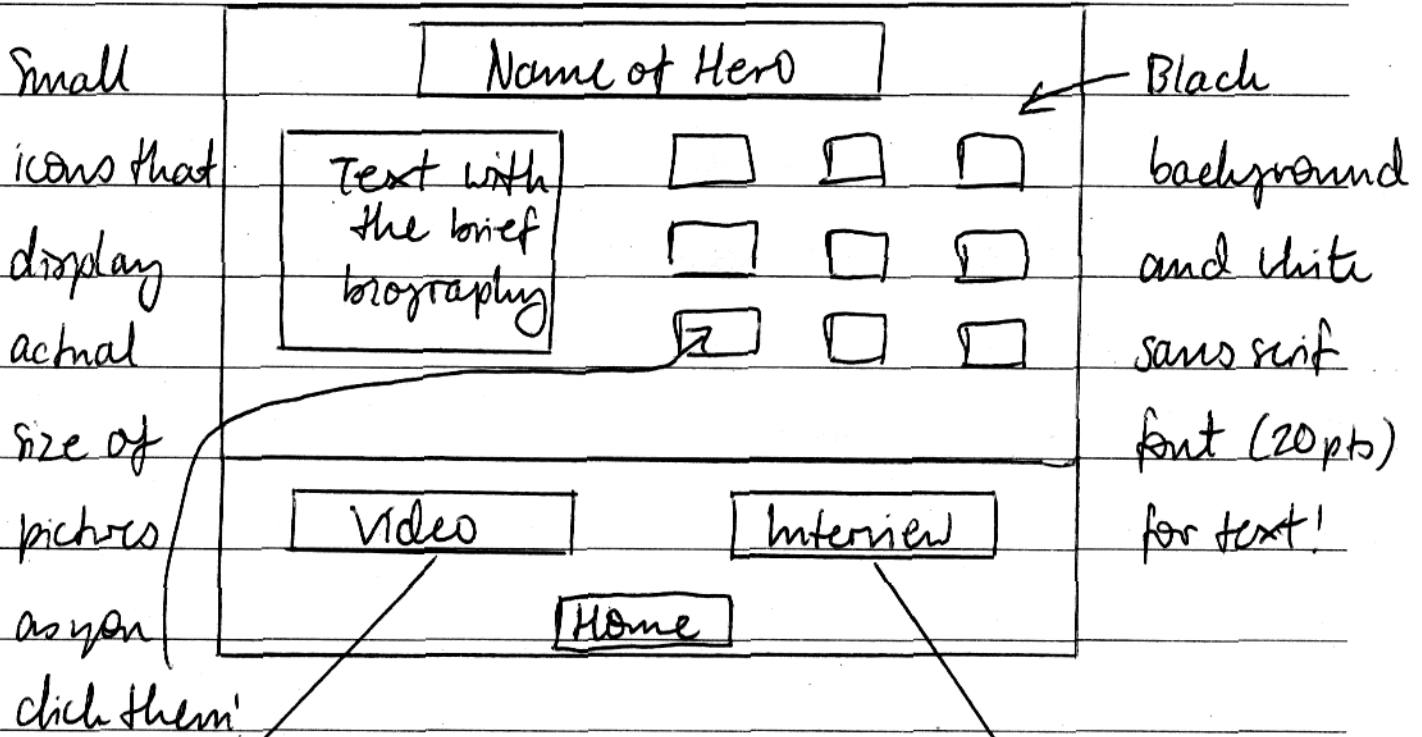
Cell-based: works with individual frames/cells are presented in quick succession to form illusion of movement. Each frame is held in memory while it is being displayed. This method requires more RAM, and memory as well processing requirements. The frames are individually retained and uses tweening.

b/



Each screen for each hero has the same black background and white sans serif font as the Home page. There are buttons on the bottom to direct user back to the Home page. (PTO) →

Each screen:



NB: all buttons are highlighted as the cursor is put over it to improve the interest-level of this product!

ii) File size = $\frac{\text{Horizontal} \times \text{vertical} \times \text{bit depth}}{8 \times 1024} = \dots \text{ Kb}$

$= \frac{600 \times 400 \times 4}{8 \times 1024} = \dots \text{ Kb}$ ($2^4 = 16 \text{ colours!}$)

C, Collecting - The system collects the advertisements from mediums such as fax, email, and post. Within these, data such as contact details, photos and graphics are collected. If they receive ads by fax/post, then they must convert this into binary code/digital form to be inserted into the site. They may use tools such as scanner that make use of TWAIN so that these graphics can then be manipulated by the computer.

Organising - involves organising the advertisements into categories such as food, leisure and travel so that they can be searched easily by the user of the site. It may also involve organising graphics and other media so that they interact with each other using the most suitable file formats.

Displaying - if users are dialling, then the phone could be their display medium. The screen of the site and its various media are displayed using monitors, speakers that support this type of multimedia. High resolution monitors should be used to support the various graphics, and animation.