

ai. An LCD screen is a flat screen that uses a grid of electronic signals on underneath a screen of chemicals containing the colours red, green, and blue and it determines the colour by the electronic signal sent to that particular cell.

A CRT screen monitor uses 3 colour canons consisting of red, green, and blue and fires onto the screen. Each pixel is made by a screen filter, which filters the colour from forming a phosphor.

LCD are thin and easy to transport
CRT are heavy and bulky - take up more room.
- use more energy.

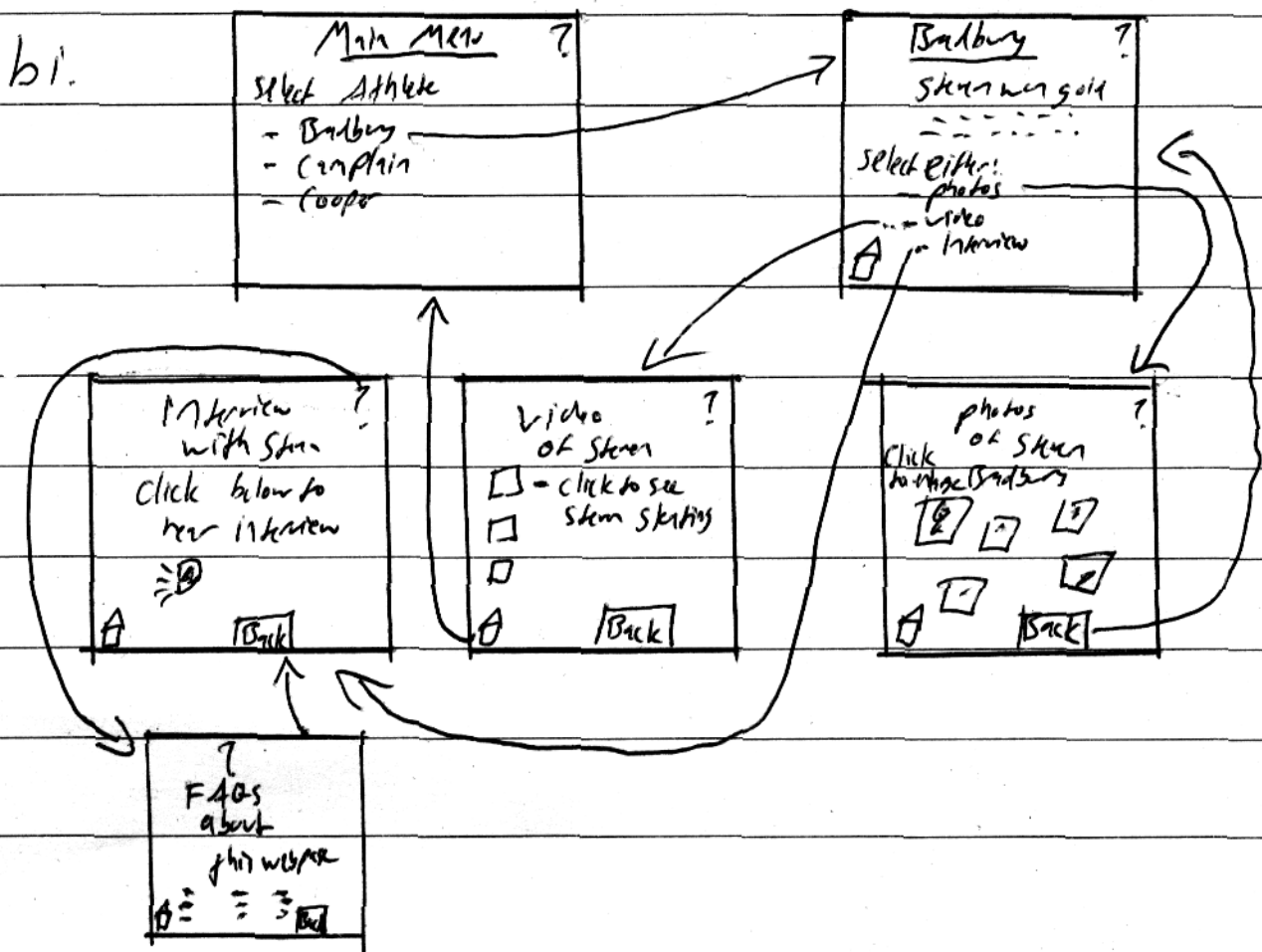
LCD can operate using batteries.

Although ~~new~~ older LCD screens make it hard for users to see the ~~objects~~^{display} on the screen from an angle.

LCDs are currently relatively in price - approx \$900 - 15"
CRTs are a low cost of approx \$250 - 15"

ii. Path based animation is where each frame only differs from the next slightly as the background remains the same. This reduces ~~more~~ the amount of memory the animation takes up and does not reduce the quality.

Cell-based is where each frame is different to the next frame. It takes up larger amounts of memory, although the quality is exceptional.

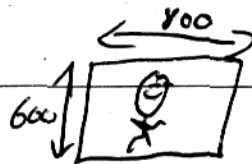


- ii. - Work out 16 colours to bits = 2^3
- Then Calculate 600 pixels by 800 pixels = _____
- Then calculate

$$\frac{2^3 \times 600 \times 800}{8 \times 8}$$

600 x 800 = resolution of the photograph

~~That~~ meaning there are 600 pixels down
the photo by 800 pixels across the photo



- C. Collecting - This will involve a submission form for people who want to advertise something on the internet and the newspaper
- Using keyboard and mouse to enter information
 - Can use fax machine to receive files sent by users. Involves using a phone line.
 - Email software to receive emails.
 - Need Attachment converting software like

- MIME if doc information is not in ASCII (doubled)
- Database to store all the information
 - Different forms on the database to categorise advertisers
 - Need lots of redundancy on CPU to store information

- Organising - will include a database to organise all the information. Sorting the information according to categories e.g. Books, Cars, Furniture companies.
- Need system to determine 28 days or over, and then will delete all off database

- Displaying - Need Internet Browser to access website
- Need Monitor either CRT or LCD
 - Need web publishing software to produce website
 - Graphics card to show photos & other graphics
 - also to operate screen.
 - Windows Operating System
 - Presentation of website - San Serif fonts, white space, easy to enter forms, graphics, colour limitation, easy navigational tools, help menu, emails ^{link} to company
- 02WB4

needs relevant plugins according to the internet
browser. to present graphics and possibly flash
animation for enhanced ^{presentation.} look on ~~system~~ website