## Image Mahs

There are two types of mages used in Webpages

· Vector

· Butmap.

Vectors create images and specify Colours Using mathematical co-ordinates with lines, corves and shapes. You can scale the size of a vector graphic without losing image quality. Vector graphic files are typically small in size. They are created using software tooks, such as macromedia flash, Malromedia freehand and adobe illustrator.

\* Bitmans are graphics that create images and specify colors using thousands of small dots called Pixels.

If a bitmah is more detailed, It's he size can become quite large. Any attempt to Scale down the bitmah by removing fixels nedwees the quality of its Bitmans are created by software tools, such as JASE Paint shop PRO.

HOTSPOTS.

AN Image map is a webpage image that has chakable negions, known as HOT - SPOTS'.

are used to define the position of each hotspot, and its associated Links location.

If Each Hotspot Functions as A hyperlink to another page or page section. When a user chales on a hotspot, the file designated by the URL'IS looded.

the defined hotspot area is not visible on a webpage.
When a user moves the cursor over a hotspot, the cursor changes to the pointing hand that indicates a hyperlink.

Instally, Image map files were stored and processed on the server. Now, image map information can be processed on both the client side and the sewer side you can create both client-side and sorver side image maps.

Client side image maps are preferred over server side ones because server side mape maps require a CGI script.

Specified in the co-ords attribute valie vary with the shape attribute value, The hord attribute value is a voil that specifies a link page that will load when the user chooses on a defined sprotopol area.

You can define any desired number of hotspot regions within an image map

If you can define an image map with the (map) tog, either before or after the abated (img) tag. The main advantage of a client side map is that all the code relating to the image map can be placed directly into an Hetori Fle

& In XHTML, you need to include an additional has the same purpose as the name attribute. If you omit the id attribute, your code will not validate as XHHML LO

\* Any two points define a rectargle. Each Point and a vertical y co-ordinate Therefore four co-ordinates representing the opper left and the lower right corners of the rectangle are used to define it

· Syntax Carea shape = "eact" co-ords = Xi; Yi, Xz, Yz" href = onl/"

The four co-ordenates depend on the Pixel size of the image. If you enlarge an image, you need to change the coordinates to wint A circular Hotspot is defined by a pair of co-ordinates and readius Larea shape = "arcle" coords = "x, y, rad"
href = "vrl" /> \* To define an area that is neither a circle nor a rectangle, you need to use Polygon as the value for the shape attribute. You also need to specify co-ordinates for each point that defines the Polygon Carea shape = "Polygon" co-ords = X, Y, X2 Y2 Xn/n
href = "ord"/? It you may use up to 100 pairs of coordinates to define a rolygon the corordinates should define the points of the Polygon in sequence, my change in the sequence or surching of co-ordinates will after the shape of the mage

CIW Foundations To wroter an image on a web page and define X a hotspot region in this image < map name = "navigate"> Larea shape = "rect" coords = "18, 35, 160, 192" hnef = "http:// www. thing. com"> </map> Ling border = "0" · src = "images/image. pg"
width = "521" height = "216" wemper = "It naugate" alt = "This is the navigation bor"> The (img) tag inserts a image . Jpg file (Dim:521 x 216) It is necessary to know the width and height of an image to calculate image map co-ordinates. Add the Width and height altributes to the (ing) tag to ensure the image is of proper size \* the cult attribute allows you to provide appropriate alternative text for the for the code to validate as XHTML. The code declares that there is no border (bonder = "O"). The use man attribute, with the \* Navigate value, refers. The inserted image to the MAP instructions. The MAPZ tag includes the name attribute, which is set to navigate so that the code is XHTML Compliant

The image map co-ordinates for the inserted umage are defined using the careas The alt attrubute has been used for the carear tag so that users who howe text - only browsers or settings are able to naurgate the image map.

The image map links to a unique URL The web page with the mage map is displayed when linked. clicking the image map will take you to the corresponding target area defined by the uni specified in the (map) tag.