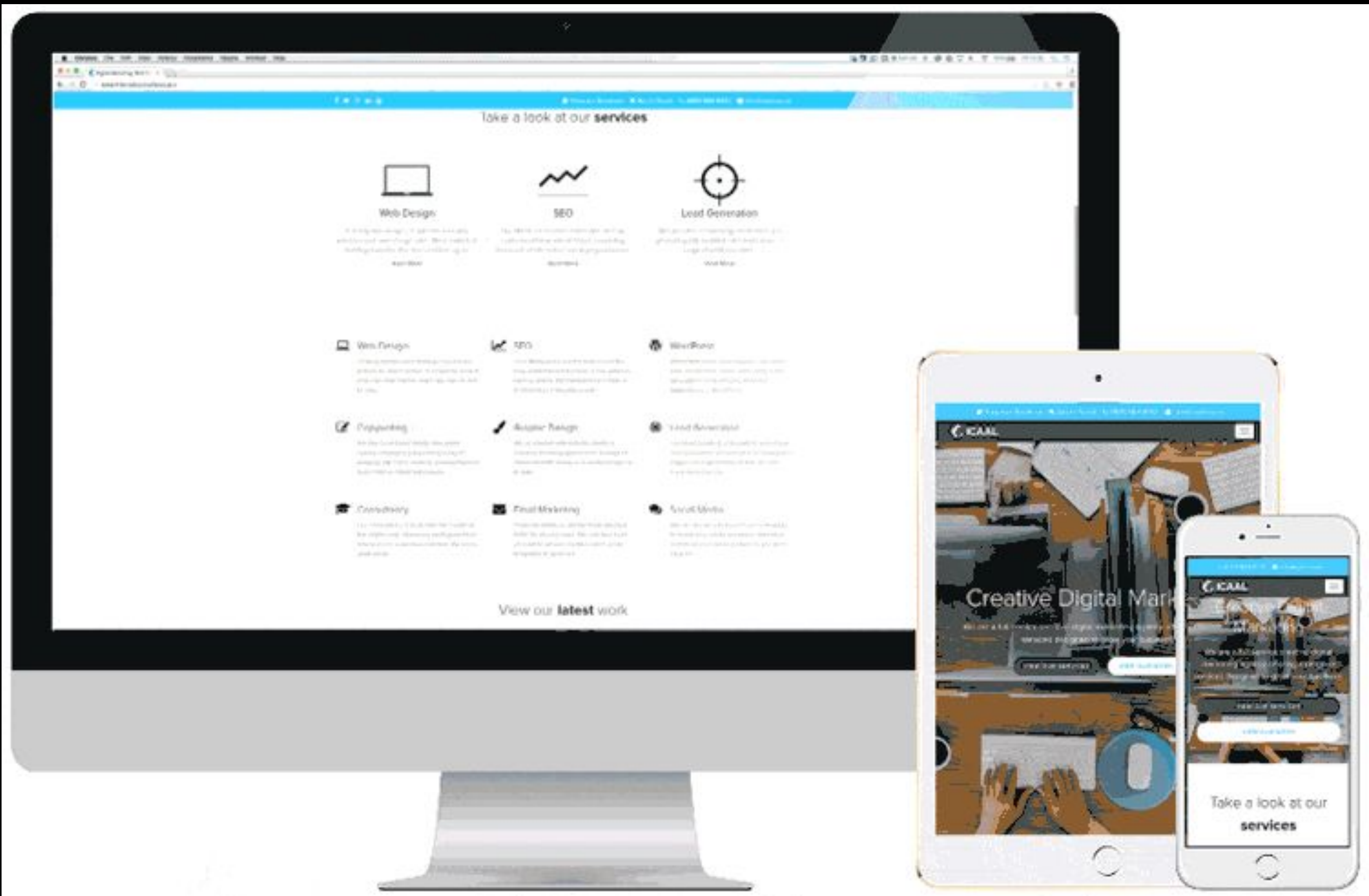


# RESPONSIVE WEB DESIGN



# RESPONSIVE WEB DESIGN

## FLEXIBLE IMAGES

### USE RELATIVE SIZING

```
img{  
    width: 50%;  
}
```

# RESPONSIVE WEB DESIGN

## FLEXIBLE IMAGES

### SRCSET

THIS ATTRIBUTE FOR THE IMG ELEMENT ALLOWS US TO GUIDE THE BROWSER IN CHOOSING THE BEST IMAGE AND IMAGE SIZE FOR THE WEBSITE.

### RETINA DISPLAYS

```

```

THE ABOVE CODE SUPPLIES A PHOTO.PNG AS THE NORMAL PHOTO FOR THE BROWSER TO USE AND AN ALTERNATIVE FOR RETINA/HIGH DENSITY DISPLAYS.

# RESPONSIVE WEB DESIGN

## FLEXIBLE IMAGES

### SRCSET

THIS ATTRIBUTE FOR THE IMG ELEMENT ALLOWS US TO GUIDE THE BROWSER IN CHOOSING THE BEST IMAGE AND IMAGE SIZE FOR THE WEBSITE.

YOU CAN SPECIFY THE SIZE OF EACH SUPPLIED IMAGE BY ADDING A WIDTH DESCRIPTOR ALONG WITH THE SIZE OF THE IMAGE ELEMENT.

```

```

THE ABOVE EXAMPLE RENDERS AN IMAGE THAT IS HALF THE VIEWPORT WIDTH (SIZES="50VW") AT WHATEVER SIZE THE BROWSER THINKS IS BEST FOR THE DEVICE

# RESPONSIVE WEB DESIGN

## FLEXIBLE IMAGES

### SRCSET

```

```

| Browser width | Device pixel ratio | Image used | Effective resolution |
|---------------|--------------------|------------|----------------------|
| 400px         | 1                  | 200.png    | 1x                   |
| 400px         | 2                  | 400.png    | 2x                   |
| 320px         | 2                  | 400.png    | 2.5x                 |
| 600px         | 2                  | 800.png    | 2.67x                |
| 640px         | 3                  | 1000.png   | 3.125x               |
| 1100px        | 1                  | 1400.png   | 1.27x                |

# RESPONSIVE WEB DESIGN

## FLEXIBLE IMAGES

### SRCSET

```

```

**MEDIA QUERIES IN THE SIZES ATTR SPECIFY THE SIZE OF THE IMAGE AT DIFFERENT SCREEN SIZES.**

**HERE, WHEN THE BROWSER WIDTH IS GREATER THAN 600PX, THE IMAGE IS 25% OF THE VIEWPORT WIDTH; WHEN IT IS BETWEEN 500PX AND 600PX, THE IMAGE IS 50% OF THE VIEWPORT WIDTH; AND BELOW 500PX, IT IS FULL WIDTH.**

# RESPONSIVE WEB DESIGN

## ZOOM

```
<meta name="viewport" content="width=device-width,  
initial-scale=1.0">
```

**PAGES OPTIMIZED FOR A VARIETY OF DEVICES MUST INCLUDE A META VIEWPORT TAG IN THE HEAD OF THE DOCUMENT. A META VIEWPORT TAG GIVES THE BROWSER INSTRUCTIONS ON HOW TO CONTROL THE PAGE'S DIMENSIONS AND SCALING.**

**width=device-width** match the screen's width in device-independent pixels.  
**initial-scale=1** establishes a 1:1 relationship between CSS pixels and device-independent pixels.

# RESPONSIVE WEB DESIGN

## ZOOM

