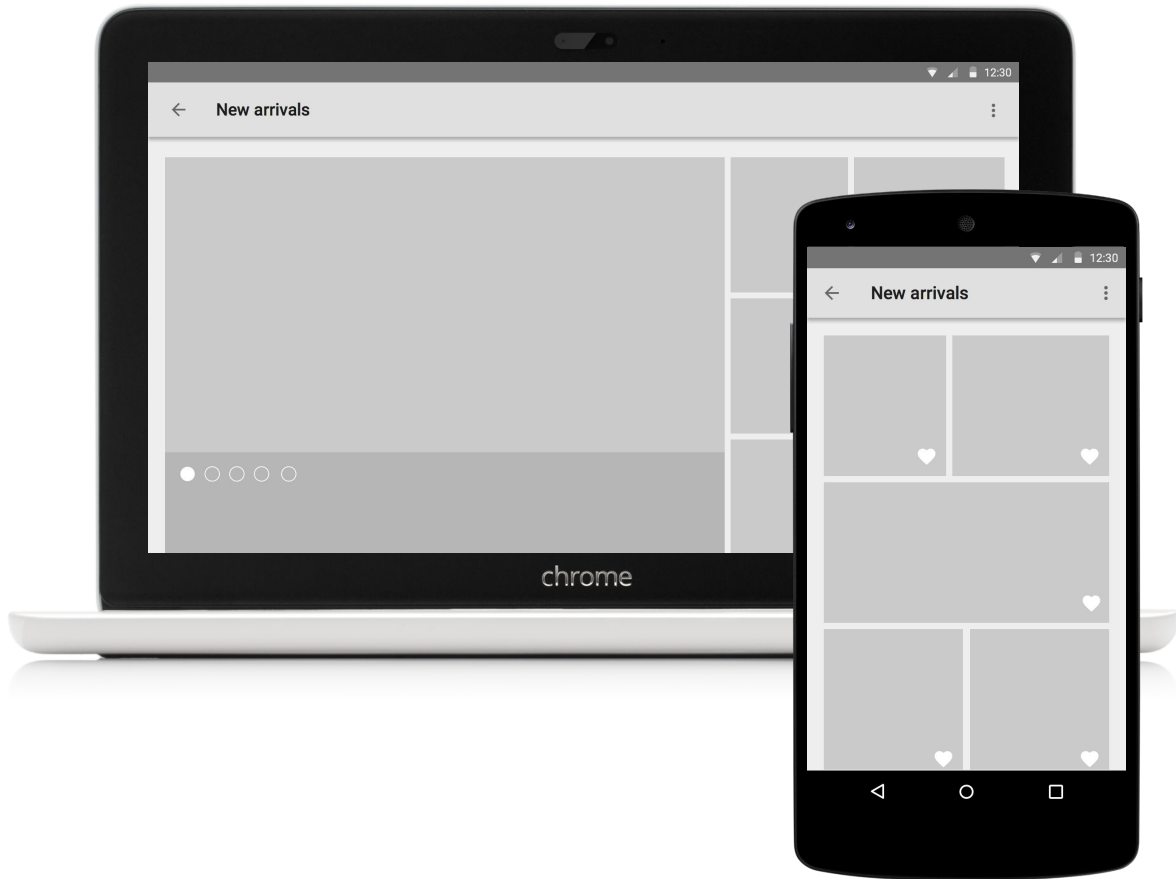


Responsive Design Principles

BCA III

Introduction

- Increasing mobile world
- Ensuring your website looks and functions seamlessly across various devices.
- A responsive website seamlessly adapts to different screen sizes.
- Ensuring optimal user experience across devices such as desktops, laptops, tablets, and smartphones.



Principles of Responsive Web Design

1-Fluid and Grid Layout

1. Instead of using fixed pixel-based grids, RD use relative units like percentages or ems.
2. It allows elements to scale smoothly across different screen sizes.

2-Flexible Images

- images are sized using relative units
- Image should not lose quality or creating layout issues

3-Create layouts and elements that adapt to different screen sizes

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Principles of Responsive Web Design

3-Create layouts and elements that adapt to different screen sizes

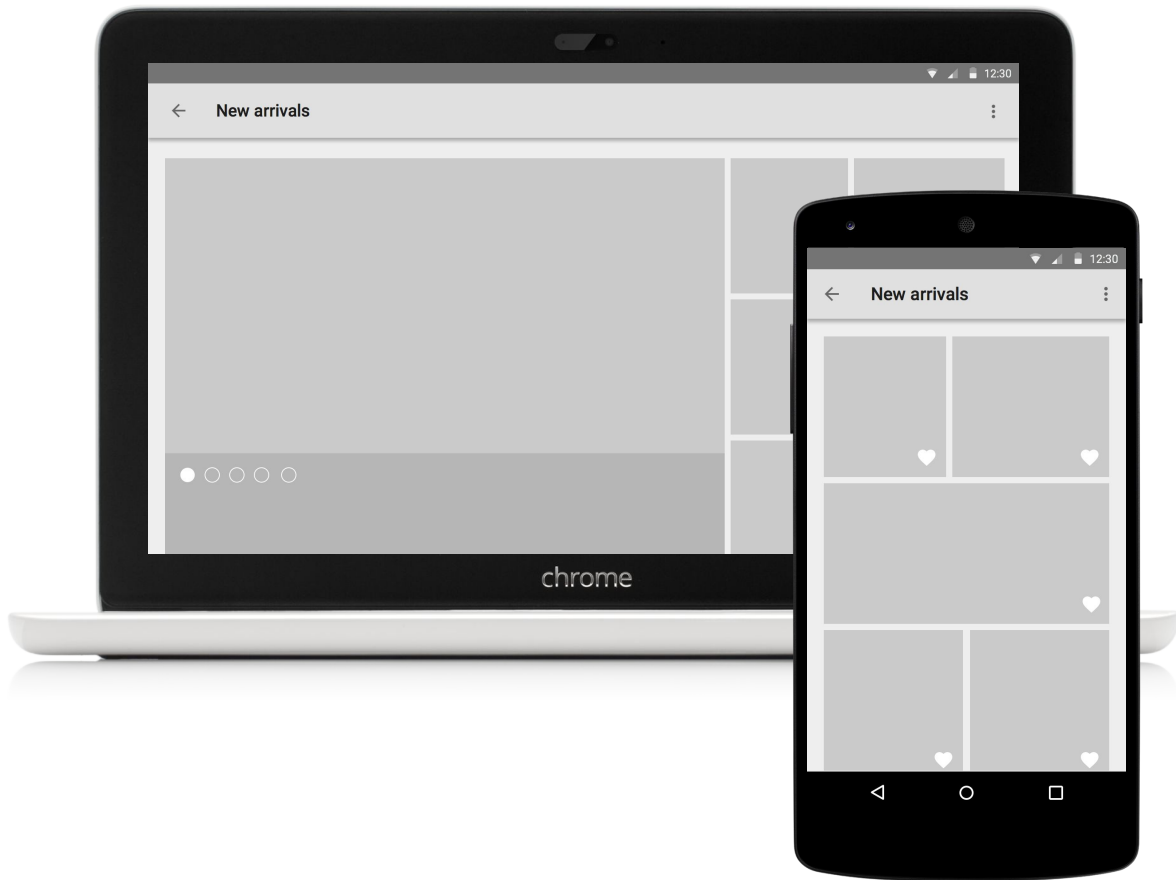
- Percentage
- Viewport width and VH
- Min-width and max-width
- Em and rem
-



Creating Responsive website: best practices

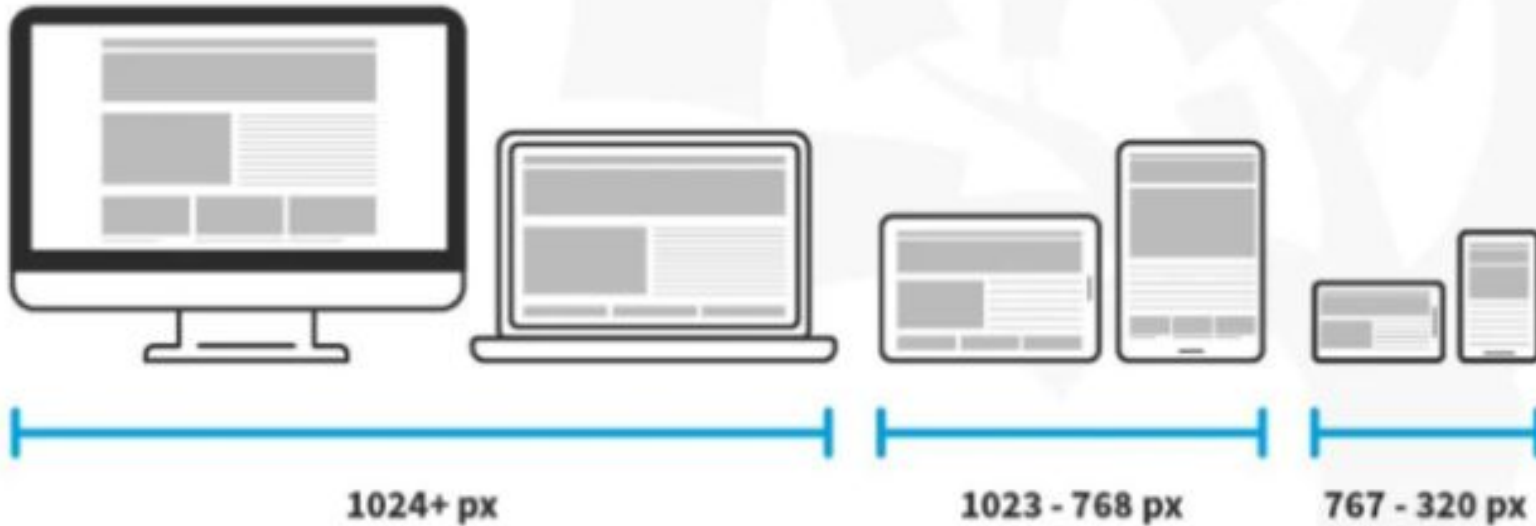
Best Practices

- Mobile first approach
- Use CSS frameworks
- Responsive units
- Scalable Typography
- Media Queries
- Viewport meta tags
- Flexible images
- User experience



Working with different screensize

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Media Queries in CSS

When the screen (browser window) gets smaller than 768px, element with col class is 100%:

```
@media only screen and (max-width: 768px) {  
  
    .col{  
  
        width: 100%;  
  
    }  
  
}
```

— — —



Thank You

NAST