
Responsive Web Tasarımı

"Responsive Web Tasarımına Giriş (RWD) Eğitimi'nde" , tasarımcılar ve geliştiriciler; bilgisayar, tablet ve mobil telefon gibi çok çeşitli cihazlara uyarlanan web uygulamalar ve siteler oluşturmak için gerekli HTML, CSS ve JavaScript becerilerini öğreneceksiniz.

Hedefler:

- Understand the benefits and the fundamentals of using RWD
- Learn responsive layout techniques including liquid and adaptive layouts
- Use responsive typography techniques
- Incorporate responsive images using HTML, JavaScript, and CSS
- Learn how to present images in different resolutions adaptively across a wide array of devices
- Display data cleanly on multiple devices using responsive tables
- Learn to use CSS3 for transforms, transitions, and animations
- Use Bootstrap layout techniques
- Create responsive tables

Topics:

Introduction to Responsive Web Design

- What is responsive Web design?
- Why should I use RWD?
- Where did RWD come from?

- Who is responsible for RWD?
- When should I use RWD?
- How do I implement RWD?

Fundamental Techniques of RWD

- Feature detection
- The viewport element
- Overview of responsive layouts vs. adaptive layouts
- Media queries
- Responsive images
- Responsive tables

Introduction to Feature Detection

- What is Modernizr
- Using the Modernizr JavaScript library
- Understanding how Modernizr works
- Using the Modernizr object
- Using the Modernizr API
- The Modernizr library and the HTML5 shim
- CSS Feature Queries
- CSS @supports

- CSS.supports() method

Understanding the Viewport

- What is the viewport?
- How is the pixel width of the viewport measured?
- Understanding the viewport meta tag

Media Attribute and Media Queries

- How do I specify a media type?
- Recognized media types
- Understanding the HTML media attribute

Understanding Media Queries

- What is a media query?
- Media query syntax
- Media query repositories
- Where can I write a media query?
- About respond.js
- About css3-mediaqueries.js
- Media queries and the cascade

- Media query features
- A media query strategy
- Understanding the media query

The CSS Box Model

- Understanding the CSS box model and box size
- What is the CSS box model?

The CSS Reset

- Why use a CSS reset?
- Understanding the CSS reset

The Display Property

- Introduction to the display property
- Inline vs. block
- Important display properties

Overview of RWD Layout Techniques

- Fixed layout vs. liquid layout
- A word about elastic layouts

- Responsive
- Adaptive
- New CSS Properties: Flexbox and Grid

Understanding Flexbox Layout

- Flex-box layout: New feature of Bootstrap 4
- Creating a flex box
- What is a flex box?
- The flex box model
- Flex display properties
- Understanding the flex layout model
- The flex grow, shrink and basis properties
- Practice your flex property knowledge
- Creating a responsive flex box layout
- Flex box layout

Grid Layout

- Introduction to the Grid layout
- Grid Glossary
- Grid terminology and behavior

- Using grid properties
- Create a grid and use grid properties
- Use named grid lines
- Memorizing grid properties

Introduction to CSS Frameworks and Bootstrap

- Responsive Frameworks
- What is Bootstrap?
- Who created Bootstrap?
- Why use Bootstrap
- Important information for users of Bootstrap 3
- The Bootstrap Playground
- Customizing Bootstrap
- Acquiring Bootstrap 4
- Download options
- What you get
- Using the starter template
- Browser support for Bootstrap
- Customizing your version of Bootstrap 4
- Introduction to Bootstrap 5

Fundamentals of Layout with Bootstrap

- Containers
- Media queries – responsive breakpoints
- Z-index

The Bootstrap 4 Grid System

- How it works
- Grid options
- Controlling alignment
- Working with columns
- Build a simple layout with the Bootstrap 4 grid
- Bootstrap 4's new media feature
- Build a complex layout with the Bootstrap 4 grid
- What's new in Bootstrap 5

Bootstrap Built-in Styles

- Typographic styles
- Using Bootstrap typographic styles
- Table styles
- Image styles

Bootstrap Components

- Introduction to Bootstrap Components
- Bootstrap components chart
- Bootstrap Cards
- Bootstrap Modals
- Bootstrap Forms

Bootstrap Editors

Responsive Typography

- What is responsive typography?
- Font Sizing options
- Working with ems
- Working with rems
- Working with viewport widths
- Creating type with the optimal characters per line

Responsive Images

- What are responsive images?
- Issues surrounding responsive images

- Basic image terminology
- HTML techniques
- CSS techniques
- Responsive techniques
- Adaptive techniques
- Scaling foreground images with CSS
- Using the max-width property
- Scaling background images with CSS
- Cropping foreground images with CSS
- Cropping background images with CSS
- Server-side solutions
- Other solutions

Responsive Tables

- Introduction to Responsive tables
- Responsive table techniques
- Hiding table data
- Manipulating the table display
- Scrolling table data