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Web Design and Development for Multimedia

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Week 9

Responsive Web Design

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Topic

- . Responsive vs adaptive design
- . CSS media queries
- . Mobile-first design approach

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Responsive vs adaptive design

Responsive Design

Flexible grids and layouts

Flexible images



CSS media queries

Viewport meta tag

Improved user experience

Wider reach



Responsive vs adaptive design

Adaptive Design

Layouts

Loading

User Experience

Page / Weight speed

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CSS media queries



Media Type

All : Applies to all media

Screen : Applies to computer ,tablet

Print : Applies to documents viewed in
print view

Mobile-first design approach

Focus of Mobile-First in UI/UX

- Design starts from **user needs**, not screen size
- Emphasizes **simplicity, clarity, and usability**
- Encourages designers to remove unnecessary elements

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Mobile-first design approach

UI/UX Design Considerations

- **User-centered design:** Understand mobile user behavior
- **Visual hierarchy:** Highlight primary actions clearly
- **Touch interactions:** Buttons sized for fingers, not cursors
- **Feedback & micro-interactions:** Taps, swipes, animations



Mobile-first design approach

Mobile-First Design Across Disciplines

- **UI/UX:** Focus on usability and user needs
- **e-Learning:** Support flexible, effective learning
- **Mobile Apps:** Deliver fast, intuitive experiences

Mobile-first design creates products that are focused, accessible, and user-centered by design



Activity

Make a webpage responsive for desktop and mobile screens

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