

1. You are a front-end developer tasked with creating a user-friendly and visually appealing website for a new e-commerce platform. What would be one of your key responsibilities in this role? 1 point

 - ☒ Implementing design elements and interactivity to enhance user experience
 - ☐ Designing the database schema for storing user information
 - ☐ Optimizing server performance for handling high traffic
 - ☐ Writing server-side code to handle database operations
2. You are a front-end developer working on a project to redesign a news website to make the website responsive. Responsive design is needed because it: 1 point

 - ☐ Improves search engine ranking.
 - ☐ Enhances website security.
 - ☒ Ensures proper display on different devices.
 - ☐ Increases server uptime.
3. Imagine you're a front-end developer for an e-commerce site with slow load times and a high bounce rate. To optimize this site, you would: 1 point

 - ☒ Minify, cache, and optimize assets.
 - ☐ Use advanced indexing algorithms.
 - ☐ Enhance server security measures.
 - ☐ Focus on API integration.
4. Full-stack developers' role is different from other web developers? As a full-stack developer, you will be someone who is: 1 point

 - ☐ Specialized in back-end server operations.
 - ☐ Limited to front-end design tasks.
 - ☐ Focused solely on database management.
 - ☒ Proficient in both front-end and back-end development.
5. Which trend combines web and mobile app features to provide offline capabilities, push notifications, and app-like experiences accessible through a web browser 1 point

 - ☐ Responsive Design
 - ☒ Progressive Web Apps (PWAs)
 - ☐ Artificial Intelligence
 - ☐ Mobile First Approach
6. Imagine you're a web developer starting a new project. You're at a stage where you need to bring the design and functionality to life. What's the term for this stage, where you write code to create web pages, integrate databases, and implement features and functionalities? 1 point

 - ☐ Deployment and Maintenance
 - ☒ Development and Implementation
 - ☐ Testing and Debugging
 - ☐ Requirement Gathering and Analysis
7. Imagine you are a web developer tasked with building the server-side components of a new e-commerce website. Which programming languages would you consider using to implement the functionality and logic required for user authentication, form handling, and data processing? 1 point

 - ☒ PHP, Python, Ruby, or Java
 - ☐ JavaScript
 - ☐ HTML and CSS
 - ☐ Drupal
8. You are part of a web development team working on a project. As the project progresses, you notice that team members are documenting code changes and updates. What is the primary purpose of this documentation 1 point

process?

- ☒ Making it easier for team members to understand and maintain the codebase
- ☐ Improving website performance
- ☐ Increasing user engagement
- ☐ Enhancing website design

9. Imagine you are a UI/UX designer working on a new mobile app. You want to ensure that the design meets user needs and provides a smooth experience. Which method would you use to gather insights into user preferences, behaviors, and pain points?

1 point

- ☐ Designing intuitive interactions
- ☐ Selecting color palettes and typography
- ☒ Conducting user research through interviews, surveys, and observation
- ☐ Creating wireframes and prototypes

10. You are a UI/UX designer tasked with creating an interactive prototype for user testing and feedback. Which type of tool would you use to achieve this?

1 point

- ☐ Collaboration tools
- ☐ Graphic design tools
- ☒ Prototyping tools
- ☐ UI/UX design software