



1. Which of the following technologies can you use to add styles and flair to a web page? 1 point
  - ☐ Java
  - ☐ JavaScript
  - ☐ HTML
  - ☒ CSS
  
2. Which of the following technologies can you use to create websites that work across different web browsers? (Select Two) 1 point
  - ☒ CSS
  - ☒ JavaScript
  - ☐ Java
  - ☐ C++
  
3. Which of the following technologies enables you to use variables and nested rules to simplify your stylesheets? 1 point
  - ☒ SASS
  - ☐ XML
  - ☐ CSS
  - ☐ HTML
  
4. Which type of developer is most likely to use SQL in web development? 1 point
  - ☐ Middleware developer
  - ☐ UI developer
  - ☒ Back-end developer
  - ☐ Front-end developer
  
5. Which of the following team meetings is usually held after a project is complete? 1 point
  - ☒ Retrospective
  - ☐ Mentor
  - ☐ Kick-off
  - ☐ Code review

# Tools in Software Development

Tools in Software Development  
Practice Assignment • 10 min



[Exit](#)

1. What can a JavaScript library like jQuery do for you?

1 point

- ☐ Save data to a database
- ☐ Help in version control
- ☒ Save development time
- ☐ Debug HTML errors

2. True or false? Inversion of control helps you to create standardized apps.

1 point

- ☐ False
- ☒ True

3. Which of the following is performed by a build tool?

1 point

- ☐ Providing code for reuse
- ☒ Transforming source code into binaries
- ☐ Storing code
- ☐ Installing packages

4. Fill in the blank. Package managers make the end-user's life easy by \_\_\_\_\_.

1 point

- ☒ downloading and installing packages from repositories
- ☐ securing applications
- ☐ backing up data
- ☐ fixing errors in code automatically

5. True or false? Software stacks always consist of the following three layers: presentation, business logic, and data.


1 point

- ☐ True
- ☒ False

# Graded Quiz: Introduction to Software Development

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Graded Quiz: Introduction to Software Development  
Graded Assignment • 30 min

 Due Jan 19, 11:59 PM +04

1. Liam wants to add clickable buttons for pop-up messages on the website. Which technology should Liam use in this scenario?

1 point

- ☐ Structured Query Language (SQL)
- ☐ Hypertext Markup Language (HTML)
- ☒ JavaScript
- ☐ Cascading Style Sheet (CSS)

2. You want to structure the content on a website using headings, paragraphs, lists, and links. Which technology will you use in this scenario?

1 point

- ☐ Cascading Style Sheets (CSS)
- ☒ Hypertext Markup Language (HTML)
- ☐ JavaScript
- ☐ eXtensible Markup Language (XML)

3. What is the primary function of back-end development in a web application that must manage dynamic content and ensure secure user interactions?

1 point

- ☐ Optimizing the application for various devices
- ☐ Creating the visual layout of the website
- ☒ Handling data processing and ensuring transaction security
- ☐ Developing interactive graphics and animations

4. Meera tries to log into the website, but receives a 404 error continuously with her credentials. What is the most likely error in the back-end?

1 point

- ☐ Incomplete CSS styles that restrict page load
- ☐ Incorrect HTML structure on the login page
- ☒ Missing endpoints or incorrect routing
- ☐ Invalid JavaScript in front-end

5. Priya is a junior developer pairing with a senior engineer who directs the implementation but lets her write the code. Which pair programming style are they using?

1 point

- ☐ Strong style
- ☐ Ping-pong style
- ☐ Driver style
- ☒ Navigator style

6. Which technology is categorized as a structured system that provides developers with tools for building web applications?

1 point

- ☒ Ruby
- ☐ Git
- ☐ Vue.js
- ☐ JavaScript

7. Ricky is adding a user-friendly carousel feature while developing a cloud app, but he doesn't want to build it from scratch. Which tool will Ricky use in this scenario?

1 point

- ☒ Libraries
- ☐ Frameworks
- ☐ Version control system
- ☐ Repository

8. A development team is using a tool that automates code integration and testing, ensuring that all code components work together smoothly. What process are they implementing to automatically build and test your code?

1 point

- ☐ Version control
- ☐ Debugging
- ☒ Continuous integration
- ☐ Code refactoring

9. Your team is deploying a large application and wants to ensure that code changes are automatically tested and integrated into the main branch. Which tool would best support this scenario?

1 point

- ☐ Debugger
- ☐ Package manager
- ☐ Build tool
- ☒ Continuous integration tool

10. As a software engineer, you are tasked with developing a web application that requires both client-side and server-side functionalities. Which development stack would allow you to use a single programming language across both the front-end and back-end, simplifying the development process?

1 point

- ☒ MEAN stack
- ☐ Python-Django stack
- ☐ ASP.NET stack
- ☐ LAMP stack