

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

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

[← Back](#) 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