106 Salesforce Developer interview questions to ask your applicants

Questions

1. What is Salesforce, in simple terms?

2. Can you explain what a 'cloud' is when we talk about cloud computing?

3. What are the different types of clouds available in Salesforce?

4. What is an object in Salesforce, and can you give me an example?

5. What are fields in Salesforce, and why are they important?

6. What are the different types of fields you can create in Salesforce?

7. What is a record in Salesforce?

8. Can you explain what a Salesforce app is?

9. What are the different types of relationships between objects in Salesforce?

10. What is a 'page layout' in Salesforce, and why do we need it?

11. What is a 'workflow' in Salesforce?

12. What is an 'approval process' in Salesforce?

13. What is the difference between 'Workflow' and 'Approval Process' in Salesforce?

14. What is data validation in Salesforce, and why do we need it?

15. What is a 'formula field' in Salesforce, and can you give an example?

16. What is 'SOQL', and why do we use it?

17. What is 'SOSL', and why do we use it?

18. What is the difference between SOQL and SOSL?

19. What is Apex, and why is it important for Salesforce development?

20. Can you explain what a 'trigger' is in Salesforce?

21. What are the different types of triggers in Salesforce?

22. What are governor limits in Salesforce, and why are they important? Give some examples.

23. What is a 'sandbox' in Salesforce, and why do developers use it?

24. What is the use of change sets in Salesforce?

25. What is a 'Lightning Web Component' (LWC)?

26. What is the difference between Aura Components and Lightning Web Components?

27. What is the Model-View-Controller (MVC) architecture, and how does it relate to Salesforce development?

28. What is CI/CD and why is it important? Does Salesforce support it?

29. If you had to teach someone about Salesforce security, what's the one thing you'd emphasize?

30. Explain the difference between a standard object and a custom object in Salesforce, like explaining the difference between a toy that comes in the box and a toy you built yourself.

31. What is an Apex trigger, and can you give a simple example of when you might use one, imagine you are building a Lego castle, and when the drawbridge is lowered, you want a flag to automatically raise on the tower, how would you achieve this in Salesforce?

32. Describe what a Salesforce sandbox is and why it's important, like having a practice playground before playing on the real one.

33. What is the purpose of SOQL, and how does it help you retrieve data from Salesforce, consider it as searching for your favorite candy in a big candy store, how would you tell the store where to find it?

34. Explain the difference between 'public', 'private', and 'global' access modifiers in Apex, think about sharing your toys with friends.

35. What are governor limits in Salesforce, and why do we need to be aware of them, like having a limited amount of building blocks to build your dream castle.

36. Describe a scenario where you would use a 'for' loop in Apex code, and give a simple example, consider it like giving each of your stuffed animals a hug, one by one.

37. What is a Visualforce page, and what is it used for, like creating a custom poster for your room.

38. Explain the concept of 'inheritance' in Apex, like inheriting traits from your parents.

39. What is the difference between 'before' and 'after' triggers in Apex, imagine dressing up before or after going to a party.

40. Describe what a 'relationship' is between two objects in Salesforce, imagine your action figures being friends with each other, who's friends with who?

41. What is the purpose of a 'test class' in Salesforce, and why is it important, like testing your spaceship before launching it into space.

42. Explain the concept of 'validation rules' in Salesforce, imagine setting rules for playing a game, so that no one cheats.

43. What is a 'workflow rule' in Salesforce, and how is it different from an Apex trigger, like setting up automated tasks in your house.

44. Describe what a 'record type' is in Salesforce, and why would you use it, imagine having different types of building blocks to build different things.

45. What is the purpose of the 'system.debug()' statement in Apex, like writing notes to yourself while solving a puzzle.

46. Explain the difference between 'insert', 'update', and 'delete' DML operations in Salesforce, think about adding, changing or removing something in a collection.

47. What is a 'future method' in Apex, and when would you use it, imagine sending a letter that arrives in the future.

48. Describe what a 'custom setting' is in Salesforce, and why it might be useful, like setting your preferences for your favorite game.

49. What is the difference between 'static' and 'instance' variables in Apex, imagine shared and personal toys.

50. Explain the concept of 'exception handling' in Apex using 'try', 'catch', and 'finally' blocks, like having a plan B when something goes wrong.

51. What is the purpose of a 'queueable Apex' class and how does it differ from a future method, like sending tasks to a virtual helper in an organized way.

52. Describe a scenario where you would use a 'map' in Apex code, and give a simple example, imagine associating names to their ages, 'John is 10'.

53. What is the purpose of the @AuraEnabled annotation in Apex, and how is it used, like enabling your superhero to use their power.

54. Explain the difference between 'synchronous' and 'asynchronous' Apex execution, think about a face-to-face conversation and sending a letter.

55. What is the use of change data capture (CDC) in Salesforce?

56. How would you explain the concept of governor limits in Salesforce to someone who has never programmed before?

57. Describe a situation where you used a custom setting and why it was better than a custom object for that purpose.

58. Can you walk me through the steps you would take to debug a 'too many SOQL queries' error in a complex Apex transaction?

59. Explain the difference between 'with sharing', 'without sharing', and 'inherited sharing' keywords in Apex and when you would use each.

60. How do you handle asynchronous processing in Salesforce to prevent hitting governor limits?

61. What are the different types of collections in Apex (List, Set, Map) and when would you choose one over the others?

62. Describe the purpose and usage of the @future annotation in Apex.

63. How would you design a solution to integrate Salesforce with an external system in real-time?

64. What are the key differences between SOQL and SOSL, and when is it appropriate to use each?

65. Explain how you would implement a custom search functionality in a Lightning Web Component (LWC) that queries an external API.

66. What are some strategies for writing efficient and scalable Apex code?

67. How do you approach testing Apex triggers to ensure they handle bulk data correctly?

68. Describe a time when you had to optimize a slow-running SOQL query. What steps did you take?

69. Explain the role of the View State in Visualforce and how you can minimize its size to improve page performance.

70. What are the benefits of using Lightning Web Components (LWCs) over Aura components?

71. How do you handle error handling and logging in your Apex code?

72. Describe the purpose of Change Sets and how you use them to deploy code between Salesforce environments.

73. How would you implement a custom authentication mechanism for a Salesforce community?

74. What are some best practices for securing your Salesforce application against common web vulnerabilities?

75. Explain the concept of Platform Events and how you would use them in a Salesforce application.

76. How do you ensure data quality and prevent data duplication in Salesforce?

77. Describe a situation where you used a Queueable Apex class. What were the advantages of using Queueable over Future methods in that scenario?

78. How can you effectively manage and deploy static resources in a Salesforce project?

79. Explain the difference between a trigger and a workflow rule/process builder. When would you choose a trigger over the declarative options?

80. Describe how you would approach building a complex data import process into Salesforce from an external CSV file, considering potential data cleansing and transformation requirements.

81. How would you implement a custom Lightning component that interacts with a Salesforce API to display and manipulate data?

82. What are the considerations you need to keep in mind when working with managed packages and namespaces in Salesforce development?

83. Explain the concept of 'test driven development' and how you apply it to your Salesforce development projects.

84. How would you optimize a complex SOQL query that is hitting governor limits in a trigger?

85. Describe a situation where you used a platform event and why it was the right choice.

86. Explain your experience with different Salesforce integration patterns and when to use each.

87. How do you handle asynchronous processing in Salesforce to avoid hitting governor limits, and what are the tradeoffs between different approaches?

88. What are some strategies for handling data skew in Salesforce and preventing performance issues?

89. Walk me through a time you had to debug a complex Salesforce application with multiple layers of abstraction. What tools and techniques did you use?

90. How do you approach writing test classes to ensure comprehensive code coverage and prevent regressions?

91. Describe a time you had to refactor a large, legacy codebase in Salesforce. What were the challenges, and how did you overcome them?

92. How do you use Salesforce DX to manage and deploy code in a team environment?

93. Explain your experience with Salesforce security best practices, such as field-level security, object-level security, and sharing rules.

94. Can you describe a situation where you implemented a custom Lightning component that interacted with an external API?

95. How do you monitor and troubleshoot performance issues in Salesforce applications?

96. What are the different types of Salesforce governor limits, and how can you proactively avoid them?

97. Describe a time you had to work with a large dataset in Salesforce. How did you efficiently process and transform the data?

98. How would you design a solution to handle a complex business process using Salesforce flows and Apex?

99. Explain how you implement error handling and logging in your Salesforce applications.

100. Describe your experience with different Salesforce deployment strategies, such as change sets, metadata API, and unlocked packages.

101. How do you use static analysis tools to improve the quality of your Salesforce code?

102. Explain how you would approach building a custom search solution within Salesforce, considering performance and scalability.

103. Describe how you have used design patterns in your Salesforce development to improve code maintainability and reusability.

104. How do you handle different environments (sandbox, staging, production) during the development lifecycle?