Basic Topics

1. What are SharePoint objects
2. What is hierarchy of SharePoint Objects?
3. Which version of .Net SharePoint built on?

SharePoint 2010 uses .net 3.5 version and SharePoint 2013 uses 4.0

Generic Topics

1. CSOM vs JSOM

Here's the difference between CSOM/ JSOM/ SSOM/ REST. Model Types. CSOM: CSOM core assembly is Microsoft.SharePoint.Client.Runtime.dll and Microsoft.SharePoint.Client.dll, which stands for Client-Side Object Model. It is a web service based API of SharePoint

1. What is JSOM

SharePoint 2013 Client Object Model is a set of libraries and classes with which you can consume SharePoint data through a specific object model that is a subset of the SharePoint Server Object Model. ... JSOM or JavaScript Object Model is a set of .js files built for ECMAScript-enabled platforms.

1. **What is CSOM**

The client-side object model (CSOM) provides client-side applications with access to a subset of the SharePoint Foundation server object model, including core objects such as site collections, sites, lists, and list items.

1. **What is SharePoint REST API**

This means that developers can perform Create, Read, Update, and Delete (CRUD) operations from their SharePoint Add-ins, solutions, and client applications, using REST web technologies and standard Open Data Protocol (OData) syntax

1. **Difference b/w SharePoint 2010 and 2013**

**2013:**

**🡪** Apps model is introduced this is alternate solution for sandbox solutions

* Sandbox solutions are deprecated.
* Look and feel is improved (Visual upgrade and Design manger added)
* Cloud computing introduced “SAAS (software as a service) Online” version is available from 2013.
* New OOB Workflows added, few more option introduced in Designer List workflows.

1. What is JSON (Java Script Object Notation)

JSON has eclipsed XML as the preferred data interchange format for web applications and web services.

JavaScript Object Notation is a schema-less, text-based representation of structured data that is based on key-value pairs and ordered lists. Although JSON is derived from JavaScript, it is supported either natively or through libraries in most major programming languages. JSON is commonly, but not exclusively, used to exchange information between web clients and web servers

**JSON is built in 2 structures**

A collection of name/value pairs or (key/value pairs) An ordered list of values. JSON take these forms: objects, array, value, string, number

**Example:**

{  
  “firstName”: “**Jonathan**”,  
  “lastName”: “**Freeman**”,  
  “loginCount”: 4,  
  “isWriter”: **true**,  
  “worksWith”: [“**Spantree** **Technology** **Group**”, “**InfoWorld**”],  
  “pets”: [  
    {  
      “name”: “**Lilly**”,  
      “type”: “**Raccoon**”  
    }  
  ]  
}

1. The assemblies required for CSOM

Microsoft.SharePoint.Client.Runtime.dll and Microsoft.SharePoint.Client.dll

1. What are libraries required for JSOM

SP.js, SP.Core.js, SP.Runtime.js

1. What are steps to be taken for avoiding “Threshold issue”?

Creation of indexes for all unique columns.

Adding more number of filters while retrieving data with “from date” and “to date” limit.

Keeping unique value fields as first filter in CAML query <AND> conditions.

1. **Impact of Threshold issue to the application**

It does not impact storing items into list, it will impact the displaying items.

Lookup columns did not enable at SharePoint admin side and it will be highlighted with “5000 limit exceeded, threshold issue warning message”.

Views will be highlighted with “threshold issue warning message”.

CAMP queries did not work if the query returning more than 5K items, it also impact the custom pages where are using it.

1. **Why such 5000 magic number**

To minimize database contention SQL Server, the back-end database for SharePoint, often uses row-level locking as a strategy to ensure accurate updates without adversely impacting other users who are accessing other rows. However, if a read or write database operation, such as a query, causes more than 5,000 rows to be locked at once, then it's more efficient for SQL Server to temporarily lock the entire table until the database operation is completed.

Note: The actual number is not always 5,000, and can vary depending on your site, the amount of activity in the database, and your site's configuration.

When the whole table is locked, it prevents other users from accessing the table. If this happens too often, then users will experience a degradation of system performance. Therefore, thresholds and limits are essential to help minimize the impact of resource-intensive database operations and balance the needs of all users.

1. Uses of Client side object model CSOM
2. Sample Code using CSOM for basic operations
3. Uses of JavaScript Object model (JSOM)
4. Sample Code using JSOM for basic operations
5. How do you use SharePoint REST API in the code?
6. What is Client Context?

ALL about Workflows:

1. What is the use of Workflow manager
2. What are the new options added in SPD 2013 workflows.
3. SP 2013 designer list workflow conditions?

Common Conditions

* 1. If any value equals value
  2. If current item field equals value

Other Conditions

* 1. Created by specific person
  2. Created in a specific date span
  3. Modified by a specific person
  4. Modified in a specific date span
  5. Person is a valid SharePoint user
  6. Title field contains keywords

1. SP 2013 designer list workflow actions?

**Core Actions**

* 1. Add a Comment
  2. Add Time to Date
  3. Do Calculation
  4. Log to History List
  5. Pause for Duration
  6. Pause until Date
  7. Send an Email
  8. Set Time Portion of Date/Time Field
  9. Set Workflow Status
  10. Set Workflow Variable
  11. Stop Workflow

**Document Set Actions (not available in SharePoint Foundation)**

* 1. Capture a version of the Document Set
  2. Send Document Set to Repository
  3. Set Content Approval Status for the Document Set
  4. Start Document Set Approval Process

**List Actions**

* 1. Check In Item
  2. Check Out Item
  3. Copy List Item
  4. Create List Item
  5. Declare Record
  6. Delete Item
  7. Discard Check Out Item
  8. Set Content Approval Status
  9. Set Field in Current Item
  10. Undeclare Record (not available in SharePoint Foundation)
  11. Update List Item
  12. Wait for Field Change in Current Item

**Relational Actions (not available in SharePoint Foundation)**

* 1. Lookup Manager for a User

**Task Actions**

* 1. Assign a Form to a Group
  2. Assign a To-do Item
  3. Collect Data from a User
  4. Start Approval Process (not available in SharePoint Foundation)
  5. Start Feedback Process (not available in SharePoint Foundation)

**Utility Actions**

* 1. Extract Substring from End of String
  2. Extract Substring from Index of String
  3. Extract Substring from Start of String
  4. Extract Substring of String from Index with Length
  5. Find Interval Between Dates

1. What is reusable workflow?

Reusable workflows are built on content types. And we can attach it to list where this content type is associated.

1. How do you deploy SPD workflow into SharePoint
2. Difference between event receivers and workflows
3. Type of workflow available in SharePoint
4. Difference between sequential workflow and parallel workflow.
5. What are the things required to improve the performance of the list workflow.

All about Nintex forms and Nintex workflows.

All about SharePoint migration

SharePoint 2016 and Apps model