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# Training Content for Advanced SharePoint

## SharePoint 2013 and Online

## Day 1

### Module 1: Introduction

* Introduction to SharePoint
* History
* Installation
* New Features
* Developer Tools and Office 365 Account Set Up with own live ID

Project:

Create a Office 365 account with your live id.

Check if you can open Technet SharePoint Virtual Labs with your live id.

https://vlabs.holsystems.com/vlabs/technet?eng=VLabs&auth=none&src=vlabs&altadd=true&labid=21143&lod=true

Install Visual Studio.

### Module 2: SharePoint Development Introduction

* Architechture
* Features
* Object Model
* Authentication and Authorisation
* SharePoint Framework

Project

Install Visual Studio 2013 or greater.

Install SharePoint Designer 2013

Notepad++

## Day 2,3

### Module 3: SSOM

* Basics of SSOM
* PowerShell - Demo
* Visual Studio Demo
  + Farm Solutions
  + Sandbox Solutions
  + Web Parts
  + Event Receiver
  + Application Pages

Project

Create a simple web part to create a list and add items to a list in the contoso virtual labs or your own SharePoint 2013/2016 box.

## Day 4

### Module 4:CSOM

* Architechture
* JSOM
* Managed CSOM
* REST
* SharePoint Framework
* Demo
  + Script Editor
  + Visual Studio
  + PowerShell

Project:

Convert a SSOM code to CSOM.

## Day 5:

### Module 5:Apps

* Architechture
* Types
* NAPA
* SharePoint Hosted
* Provider Hosted
* Client Web Part using SharePoint Framework
* PowerApps

Project:

Create a NAPA app to update a list item

## Day 1,6

### Module 6:Page Customisation and UI

* Architechture
* Designer
* Composed Look
* HTML to Master Page
* Device Channels
* Image Rendition
* Angular,Bootstrap and Knockout integration

Project

A HTML to Master Page or Compose Look.

### Day 7

### Module 7:Workflows

* Architechture
* SharePoint Designer
* Visual Studio
* State Based and Parallel Workflow
* Flows

Project

A Flow workflow send an email.

### Day 8

### Module 8:Managed Metadata

* Architechture
* Term Set and Term Store
* SSOM
* CSOM
* JSOM

Project

Create a term set using the language of your choice and PowerShell/Visual Studio

### Day 8,9,10

### Module 9:Others - BCS,User Profile,Search

* Architechture
* Out of Box Features and Web Parts
* SharePoint Designer
* Visual Studio
* SSOM
* JSOM
* CSOM
* REST

Project

An app to add a user to user profile.

### Day 10

### Module 10: Project

* Design
  + Functional Specification
  + Technical Design Document
  + Checklist
  + Development
  + Unit and Integration Testing