



Introduction to SharePoint 2013 App Development

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SharePoint MVP

About Me

- SharePoint Server MVP
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Agenda



Specification

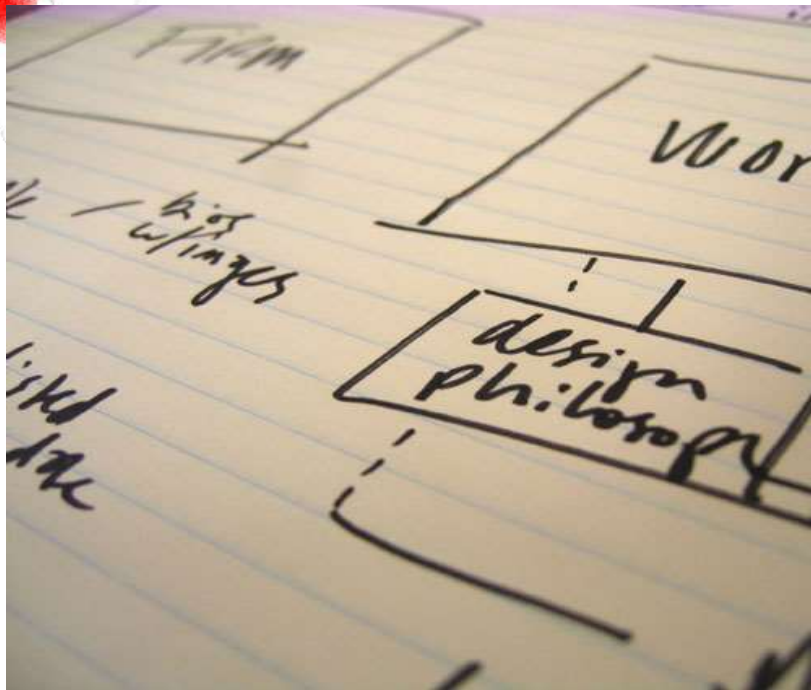
Design

Functionality

Testing

Deployment

Specification



Specification

Design

Functionality

Testing

Deployment

Requirements

Web

Issues

Geolocation

User Profiles

Search

Cloud

Azure SQL DB

Azure Web Role

OnPrem + O365

OAuth

Desktop

No Server Code

Fluid UI

Office App

Reporting

Mobile

Issues

Geolocation

Issue Response

Push Notifications

Design



Specification

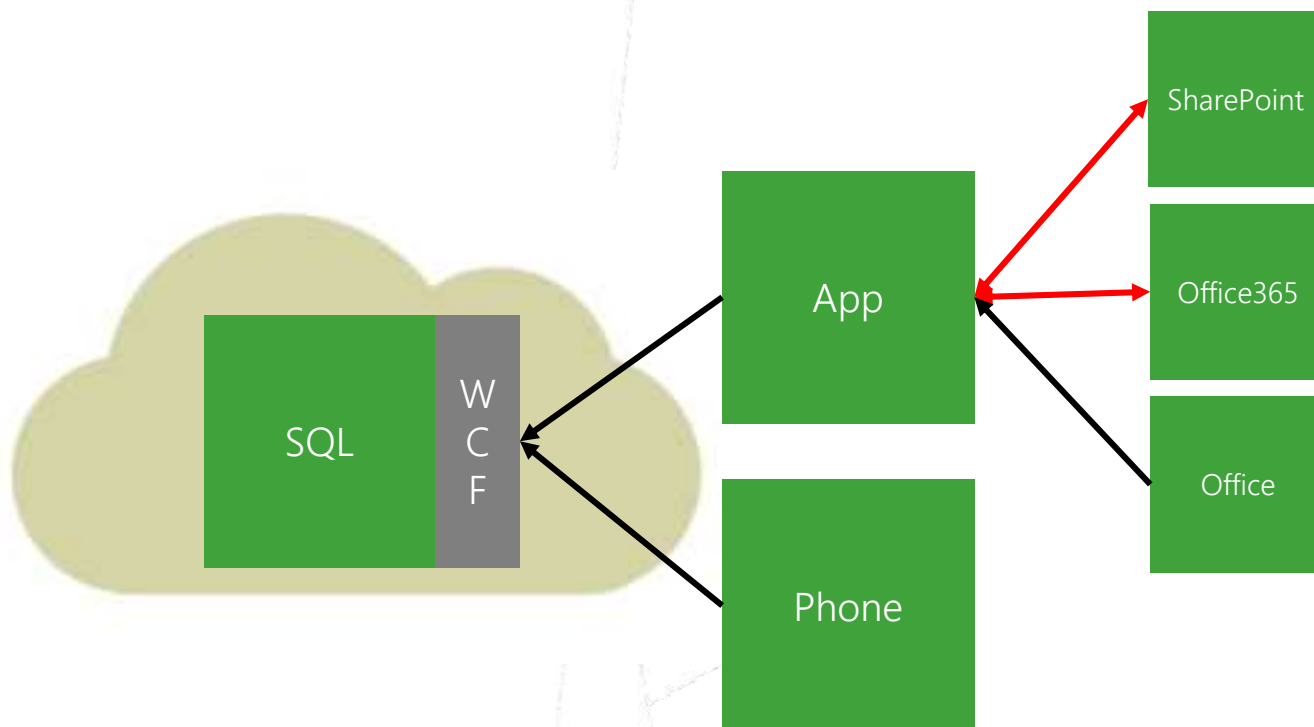
Design

Functionality

Testing

Deployment

Architecture



Components



UI

Auth

WCF

REST

Office

Phone

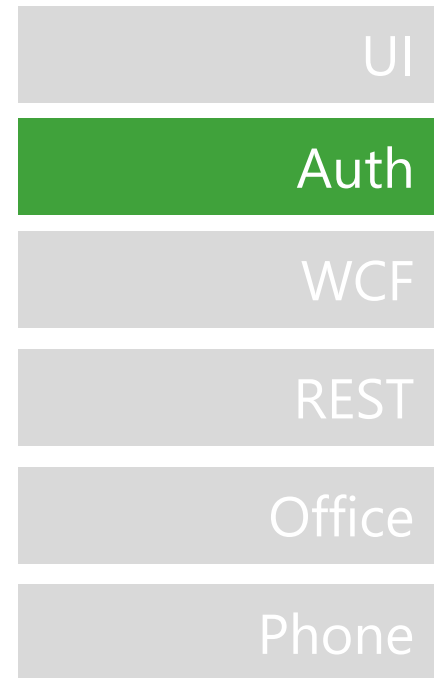
User Interface

HTML + Javascript
At-A-Glance Tiles
Tabular Details
Geolocation
User Profile Data



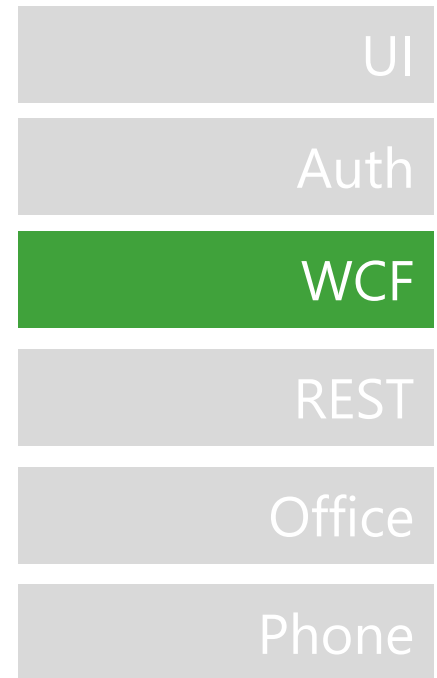
Authorization and Authentication

Pass Through
Oauth (Office365)
Windows (On-Prem)
Roles
TokenHelper

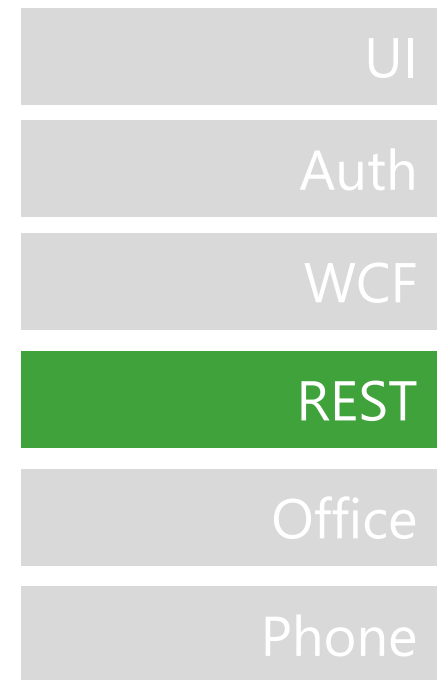


WCF

SQL DB
Entity Framework
Asynchronous
JSON
Ajax



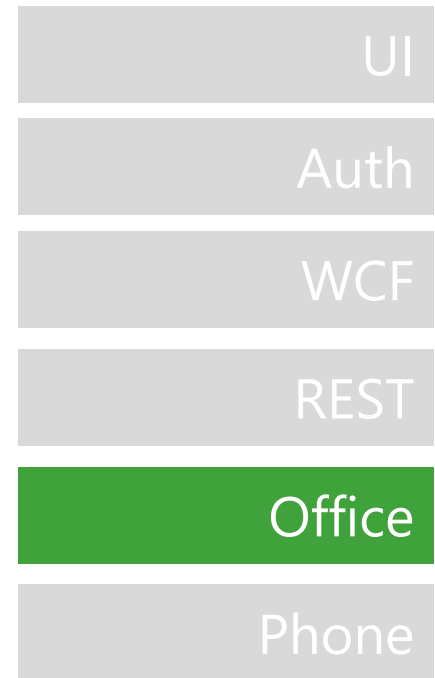
REST



~~JSOM~~
Context
Lists
Documents
People
Search

Office

Excel Pane
Report Selection
Bind Report Data



Phone

Resource Assignments
Issue Summary & Details
User Profile Pictures
Map Integration
Push Notifications

UI

Auth

WCF

REST

Office

Phone

Functionality



Specification

Design

Functionality

Testing

Deployment

Data



Azure SQL Database

WCF Services

Entity Framework

JSON

Asynchronous

Data

DEMO

WCF + Azure SQL Database

Web



Office 365

Web

On Premise

S2S/High Trust

Lists (KB Articles)

Search (Users)

User Profiles (Account Info)



Web



DEMO

Creating an App Web

Office



Page

Pane

Document Interaction

Data

JSON Conversion

Office



DEMO

App for Office

Phone



UI

MAP

Profiles

Data

Notifications

Phone

- Image



DEMO

Phone App

Packaging



Database

App

Parameters

Permissions

Web

Azure Web Role

ASP.NET Web Site (High Trust)

Office



App



DEMO

App Deployment

Testing



Specification

Design

Functionality

Testing

Deployment

Testing



Works On My
Machine!

Deployment



Specification

Design

Functionality

Testing

Deployment

On Premise



High Trust

Web

Certificate

Authorization

Metadata

Registration

Parameters

Permissions

Trust

On Premise



DEMO

Configuring High Trust Apps

Office 365



Dev/Marketplace/Catalog

Developer Site

SSL

Registration

Parameters

Permissions

Azure



Database

Preparation

Web

Web Site

Web Role

VM

Autohosted

Azure

DEMO

Azure Web Role

