**Building a PCF Control that calls Context WebApi**

Power Apps Component Framework, or PCF Controls, have capabilities to call WebApi operations. we will look at how to build a PCF control that calls the Context WebApi.

In looking at the context.webAPI, we see we have the following methods:

* createRecord
* deleteRecord
* retrieveMultipleRecords
* retrieveRecord
* updateRecord

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Before we can use the WebAPI, we need to uncomment the feature-usage area in the ControlManifest.Input.xml file. It will look like below before you uncomment it:

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We will only include the <uses-feature name=”WebAPI” required=”true” /> line:

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Note without enabling this feature you may run into a “Feature is required to be specified in the <uses-feature> section in ControlManifest” error.

Let’s add some code. We will the following code to our index.ts, which will create a new account record:

*context.webAPI.createRecord("account", { name: "Sample Account" }).then(*

*function (success) {*

*console.log("Account created with ID: " + success.id);*

*},*

*function (error) {*

*console.log(error.message);*

*}*

*);*

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Now when we deploy this to our org and run this by pressing our button, we get “Account created with Id” in our console:

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And our sample account is created:

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Our webApi is working nicely! Let’s try the other methods.

To delete an account:

var Id = "860476ad-58ba-ee11-a569-000d3a3b9c87";

context.webAPI.deleteRecord("account", Id).then(() => {

alert("Account deleted");

}).catch((error) => {

alert(error.message);

});

This deletes the account:

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To retrieveMultiple accounts:

context.webAPI.retrieveMultipleRecords("account", "?$select=name").then(

function success(result) {

// perform operations on on retrieved records

console.log("Retrieved " + result.entities.length + " records");

for (var i = 0; i < result.entities.length; i++) {

console.log(result.entities[i]["name"]);

}},

function (error) {

console.log(error.message);

// handle error conditions

});

This returns:

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To retrieve a single account:

var Id = "da59721f-02b2-ea11-a812-000d3a1b14a2";

context.webAPI.retrieveRecord("account", Id, "?$select=name").then(

function success(result) {

alert("Account Name: " + result["name"]);

},

function (error) {

alert(error.message);

}

);

This returns:

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And to update an account:

var Id = "da59721f-02b2-ea11-a812-000d3a1b14a2";

context.webAPI.updateRecord("account", Id, { name: "Updated Account Name" }).then(

function success(result) {

console.log("Account name updated.");

},

function (error) {

console.log(error.message);

}

);

This produces an updated account record:



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Those are the WebApi methods, you are now able to perform these in your PCF controls.