# Food Service Composite

## Sample Food Service Composite Definition with Extensions

<Category displayName="Michigan Food Service" name="foodservice">

    <Routes>

        <Route relativeRouteTemplate="/localEducationAgencies/{LocalEducationAgency.Id}/{compositeName}" />

        <Route relativeRouteTemplate="/schools/{School.Id}/{compositeName}" />

        <Route relativeRouteTemplate="/sections/{Section.Id}/{compositeName}" />

        <Route relativeRouteTemplate="/staffs/{Staff.Id}/{compositeName}" />

        <Route relativeRouteTemplate="/students/{Student.Id}/{compositeName}" />

    </Routes>

    <Composites>

        <Composite name="FoodServiceStudent">

            <Specification>

                <Parameter name="LocalEducationAgency.Id" filterPath="StudentSchoolAssociations->School->LocalEducationAgency.Id" />

                <Parameter name="School.Id" filterPath="StudentSchoolAssociations->School.Id" />

                <Parameter name="Section.Id" filterPath="StudentSectionAssociations->Section.Id" />

                <Parameter name="Staff.Id" filterPath="StudentSectionAssociations->Section->StaffSectionAssociations->Staff.Id" />

                <Parameter name="LocalEducationAgencyId" filterPath="StudentSchoolAssociations->School.LocalEducationAgencyReference.LocalEducationAgencyId" />

                <Parameter name="SchoolId" filterPath="StudentSchoolAssociations.SchoolReference.SchoolId" />

                <Parameter name="StaffUniqueId" filterPath="StudentSectionAssociations->Section->StaffSectionAssociations->Staff.StaffUniqueId" />

                <Parameter name="StudentUniqueId" filterPath="StudentUniqueId" />

            </Specification>

            <BaseResource name="Student">

                <Property name="StudentUniqueId" />

                <Property name="FirstName" />

                <Property name="MiddleName" />

                <Property name="LastSurname" />

                <Property name="BirthDate" />

                <Property name="FoodServiceStatusDescriptor" />

                <Collection name="StudentAddresses" displayName="addresses">

                    <Property name="AddressType" />

                    <Property name="StreetNumberName" />

                    <Property name="ApartmentRoomSuiteNumber" />

                    <Property name="BuildingSiteNumber" />

                    <Property name="City" />

                    <Property name="StateAbbreviationType" />

                    <Property name="PostalCode" />

                </Collection>

                <Collection name="StudentIdentificationCodes" displayName="identificationCodes">

                    <Property name="AssigningOrganizationIdentificationCode" />

                    <Property name="StudentIdentificationSystemDescriptor" />

                    <Property name="IdentificationCode" />

                </Collection>

                <Collection name="StudentElectronicMails" displayName="electronicMails">

                    <Property name="PrimaryEmailAddressIndicator" />

                    <Property name="ElectronicMailType" />

                    <Property name="ElectronicMailAddress" />

                </Collection>

                <Collection name="StudentTelephones" displayName="telephones">

                    <Property name="TelephoneNumberType" />

                    <Property name="OrderOfPriority" />

                    <Property name="TelephoneNumber" />

                </Collection>

                <LinkedCollection name="StudentSchoolAssociations" displayName="schools">

                    <Property name="EntryGradeLevelDescriptor" />

                    <Property name="ExitWithdrawDate" />

                    <Property name="SchoolId" />

                </LinkedCollection>

                <LinkedCollection name="StudentSectionAssociations" displayName="sections">

                    <Property name="HomeroomIndicator" />

                    <ReferencedResource name="SectionReference" flatten="true">

                        <Property name="SchoolId" />

                        <ReferencedResource name="ClassPeriodReference" flatten="true">

                            <Property name="ClassPeriodName" />

                        </ReferencedResource>

                        <ReferencedResource name="CourseOfferingReference" flatten="true">

                            <Property name="LocalCourseCode" />

                            <ReferencedResource name="SessionReference" flatten="true">

                                <Property name="TermDescriptor" />

                                <Property name="SchoolYear" />

                            </ReferencedResource>

                        </ReferencedResource>

                        <ReferencedResource name="LocationReference" flatten="true">

                            <Property name="ClassroomIdentificationCode" />

                        </ReferencedResource>

                        <Property name="UniqueSectionCode" />

                        <Property name="SequenceOfCourse" />

                        <LinkedCollection name="StaffSectionAssociations" displayName="staff">

                            <ReferencedResource name="StaffReference" flatten="true">

                                <Property name="FirstName" />

                                <Property name="MiddleName" />

                                <Property name="LastSurname" />

                            </ReferencedResource>

                        </LinkedCollection>

                    </ReferencedResource>

                </LinkedCollection>

                <LinkedCollection name="StudentParentAssociations" displayName="parents">

                    <ReferencedResource name="ParentReference" flatten="true">

                        <Property name="FirstName" />

                        <Property name="MiddleName" />

                        <Property name="LastSurname" />

                        <Collection name="ParentTelephones" displayName="telephones">

                            <Property name="TelephoneNumberType" />

                            <Property name="OrderOfPriority" />

                            <Property name="TelephoneNumber" />

                        </Collection>

                        <Collection name="ParentElectronicMails" displayName="electronicMails">

                            <Property name="PrimaryEmailAddressIndicator" />

                            <Property name="ElectronicMailType" />

                            <Property name="ElectronicMailAddress" />

                        </Collection>

                    </ReferencedResource>

                    <Property name="PrimaryContactStatus" />

                    <Property name="EmergencyContactStatus" />

                    <Property name="ContactPriority" />

                    <Property name="ContactRestrictions" />

                </LinkedCollection>

            </BaseResource>

        </Composite>

    </Composites>

</Category>

## How the handle Updates

For Food Service, there is only one field "FoodServiceStatusDescriptor" that needs to support Updates.  The recommended approach for a vendor to do Updates is to take advantage of the Student PATCH call by creating a new Student object, setting the student unique id and requested value of the FoodServiceStatusDescriptor, and calling PatchByKey.  For example:

**Food Service Update**

|  |
| --- |
| var studentsApi = new StudentsApi(restClient);  var updatedStudent = new Student  {      studentUniqueId = "StudentUniqueId",      foodServiceStatusDescriptor = "NewValue"  };  studentsApi.PatchGetStudentByKey(studentUniqueId, null, updatedStudent); |