3.4   Lab Solution: Modify an existing Entity Extension
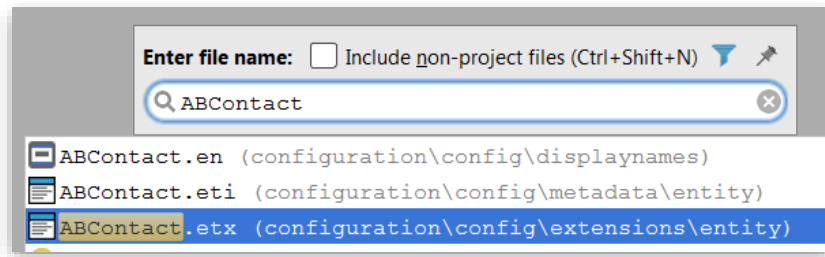
Solution

1. **Open Guidewire Studio**

2. **Use CTRL + SHIFT + N to navigate to the existing Entity Extension**

3. **Add the new elements (and subelements) to ABContact.etx**
4. **Add the new WebAddress_Ext column**

   a) Right click on the WebAddress_Ext column and add select Add New… columnParam to add a columnParam with the following details:

5. **Add the new FraudInvestigationNum_Ext integer column:**

6. Add a new LastCourtesyContact_Ext column:

7. Add a new decimal column with the following details:

8. Right click on the CustomerRating_Ext column and add select Add New… columnParam to add a columnParam with the following details:

9. Right click on the CustomerRating_Ext column again and add select Add New… columnParam to add a second columnParam with the following details:

Screenshot of the ABContact.etx extension, with the new column
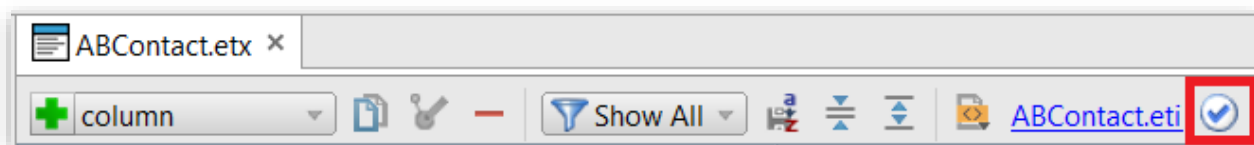

10. Add the new IsStrategicPartner_Ext column with the following details:
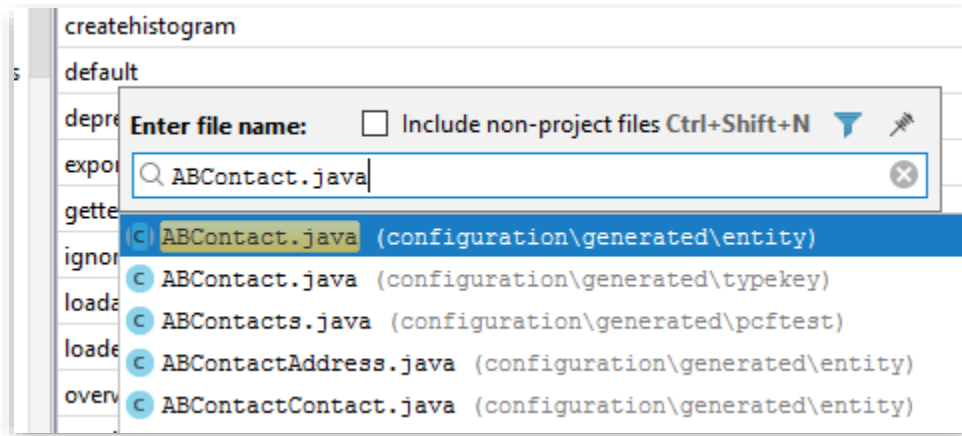

11. Validate changes in Studio and generate the Java class

a) Either click on the validate icon in the Entity Editor or use CTRL + S to save your changes
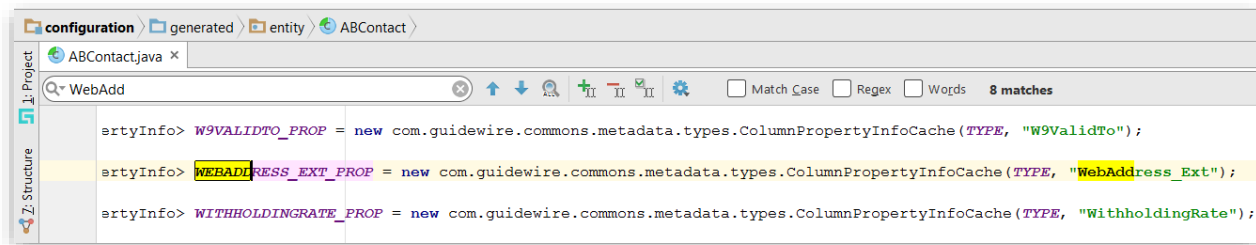
12. If the code generation was successful (no errors shown in the codegen tool window) then open the generated Java class and verify you can find your newly added fields.
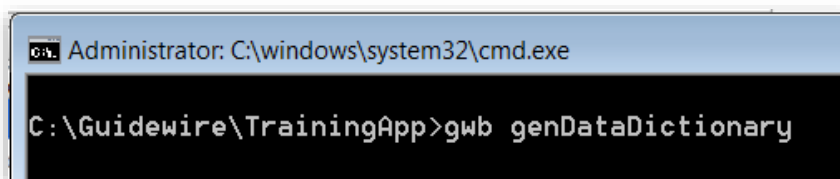
a) Use `CTRL + SHIFT + N` to search for the Java class. Note that the Java class is in the `configuration\generated\entity` package.

createhistogram

default

depre **Enter file name:**   ☐ Include non-project files Ctrl+Shift+N ▼ 📌

expo 🔍 `ABContact.java`   ⊗

gette

ignor   Ⓒ `ABContact.java` `(configuration\generated\entity)`

loada   Ⓒ `ABContact.java` `(configuration\generated\typekey)`

loade   Ⓒ `ABContacts.java` `(configuration\generated\pcftest)`

      Ⓒ `ABContactAddress.java` `(configuration\generated\entity)`

overv Ⓒ `ABContactContact.java` `(configuration\generated\entity)`

The simplest way to locate the new properties is searching for them using the **CTRL + F** shortcut. For example, we are searching for WebAddress_Ext in the following screenshot:

```
configuration > generated > entity > ABContact
ABContact.java ×
🔍 WebAdd                           ⊗ ↑ ↓            ☐ Match Case ☐ Regex ☐ Words   8 matches
    ertyInfo> W9VALIDTO_PROP = new com.guidewire.commons.metadata.types.ColumnPropertyInfoCache(TYPE, "W9ValidTo");

    ertyInfo> WEBADDRESS_EXT_PROP = new com.guidewire.commons.metadata.types.ColumnPropertyInfoCache(TYPE, "WebAddress_Ext");

    ertyInfo> WITHHOLDINGRATE_PROP = new com.guidewire.commons.metadata.types.ColumnPropertyInfoCache(TYPE, "WithholdingRate");
```

13. Build the Data Dictionary

```
Administrator: C:\windows\system32\cmd.exe

C:\Guidewire\TrainingApp>gwb genDataDictionary
```
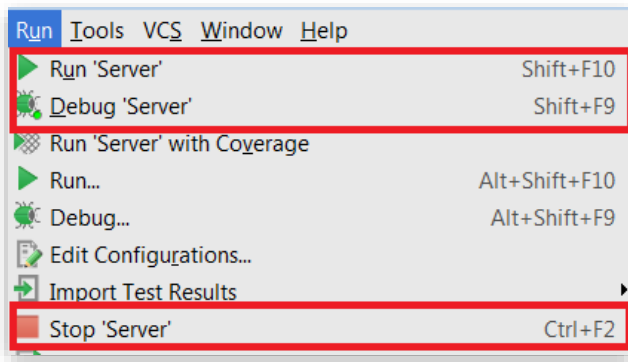
14. Deploy changes

a) To restart the server, first select Main Menu → Run → Stop, then select Main Menu → Run → Run 'Server' or Debug 'Server'.
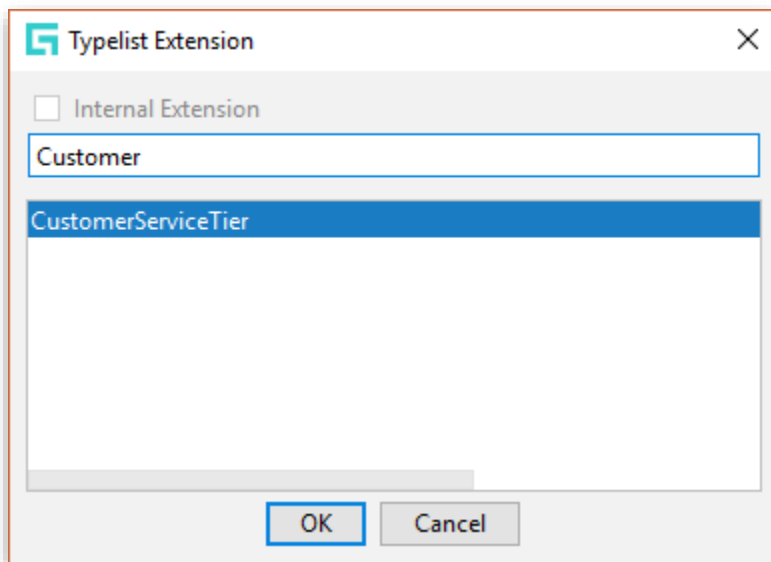
3.5   Lab Solution: Extend a base application Typelist

 Solution

1.   **Create the Typelist Extension**

2. Add Typecodes by clicking the typecode button (the icon with the green plus icon)

configuration	config	extensions	typelist	CustomerServiceTier.ttx

CustomerServiceTier.ttx ×

➕ typecode ▾ | 🗐 | ⑁ | — | ▽ Show All ▾ | | CustomerServiceTier.tti ✓ | 1≡2≡

Element	Code	Name	Priority
typelistextens	CustomerServ...	Represents th...	
typecode	platinum_Ext	Platinum	10
typecode	gold_Ext	Gold	20
typecode	silver_Ext	Silver	30

Name	Value
code	platinum_Ext
name	Platinum
desc	Platinum
identifierCode	
priority	10
retired	*false*

---

configuration	config	extensions	typelist	CustomerServiceTier.ttx

CustomerServiceTier.ttx ×

➕ typecode ▾ | 🗐 | ⑁ | — | ▽ Show All ▾ | | CustomerServiceTier.tti ✓ | 1≡2≡

Element	Code	Name	Priority
typelistextens	CustomerServ...	Represents th...	
typecode	platinum_Ext	Platinum	10
typecode	gold_Ext	Gold	20
typecode	silver_Ext	Silver	30

Name	Value
code	gold_Ext
name	Gold
desc	Gold
identifierCode	
priority	20
retired	*false*

---

configuration	config	extensions	typelist	CustomerServiceTier.ttx

CustomerServiceTier.ttx ×

➕ typecode ▾ | 🗐 | ⑁ | — | ▽ Show All ▾ | | CustomerServiceTier.tti ✓ | 1≡2≡

Element	Code	Name	Priority
typelistextens	CustomerServ...	Represents th...	
typecode	platinum_Ext	Platinum	10
typecode	gold_Ext	Gold	20
typecode	silver_Ext	Silver	30

Name	Value
code	silver_Ext
name	Silver
desc	Silver
identifierCode	
priority	30
retired	*false*