```
ABPolicyPerson with PublicID of ab:100000 not found
```
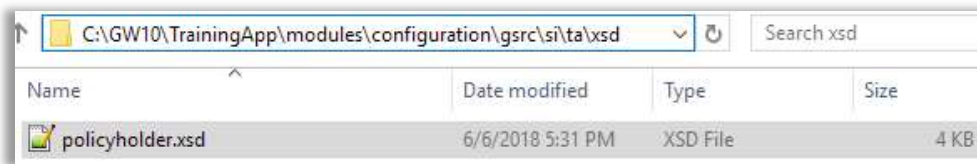
Solution 2: Generate an XML message payload using an XSD

1. **Create new packages.**

    a) Right-click on **si.ta** folder and select **New ➜ Package**.

    b) Enter **xml** as the new package name.

    c) Right-click on **si.ta** folder and select **New ➜ Package**.

    d) Enter **xsd** as the new package name.

2. **Copy the policyholder.xsd file located at <root>\training folder to the xsd package.**

C:\GW10\TrainingApp\modules\configuration\gsrc\si\ta\xsd	✓ ↻	Search xsd	
Name	Date modified	Type	Size
policyholder.xsd	6/6/2018 5:31 PM	XSD File	4 KB

    a) From the **Studio** menu, **Restart** the server.

3. **Create new Gosu class and method.**

    a) Right-click on **xml package** and select **New ➜ Gosu Class**.

    b) Enter **PolicyPersonXML** as the new Gosu class name.

    c) Add the new method to the new class.

```gosu
package si.ta.xml

uses gw.api.database.Query
uses gw.api.database.Relop
uses gw.xml.XmlSerializationOptions
uses si.ta.xsd.policyholder.PolicyHolder

class PolicyPersonXML {

  /**
   * Function will take the publicID of an ABPolicyPerson and generate output.
   */
  @Param("publicID", "Public ID of an ABPolicyPerson contact")
  static function generateXML(publicID: String) {
    var output = ""
    var queryObj = Query.make(ABPolicyPerson)
    queryObj.compare(ABPolicyPerson#PublicID, Relop.Equals, publicID)
    var anABPolicyPerson = queryObj.select().AtMostOneRow
    // create XML output
    if (anABPolicyPerson != null) {
```

```
      var xml = new PolicyHolder()
      xml.FullName = anABPolicyPerson.FullName
      xml.TaxID = anABPolicyPerson.TaxID
      // check for financial summary information
      if (anABPolicyPerson.FinancialSummary != null) {
        var totalClaimPayments = anABPolicyPerson.FinancialSummary.TotalClaimPaymentsMade
        var totalPremiumPaid = anABPolicyPerson.FinancialSummary.TotalPolicyPremiumPaid
        if (totalClaimPayments > totalPremiumPaid) {
          xml.RiskAssessment = "high"
        } else {
          xml.RiskAssessment = "low"
        }
      } else {
        output += String.format("ABPolicyPerson with PublicID %s does not have a Financial Summary \n",
{publicID})
      }
      // Configure serialization options
      var sOpts = new XmlSerializationOptions() {
        :Sort = false,
        :Validate = false
      }
      output += xml.asUTFString(sOpts)
    } else {
      output += String.format("ABPolicyPerson with PublicID of %s not found", {publicID})
    }
    print(output)
  }

}
```

4. **Deploy code changes.**

    a) From the **Studio** menu, **Restart** the server.

5. **Perform verification steps.**

```
si.ta.xml.PolicyPersonXML.generateXML("ab:98")
si.ta.xml.PolicyPersonXML.generateXML("ab:145")
si.ta.xml.PolicyPersonXML.generateXML("ab:100000")
```