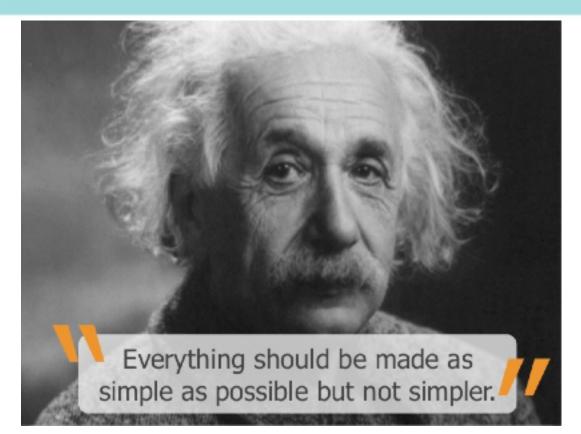


## General Theory of API Design







## Consumer View of API

```
<EntityType Name="Order">
  <Key>
     <Pre><Pre>ropertyRef Name="OrderID"/>
  </Key>
  <Property Name="OrderID" Type="Edm.Int32" Nullable="false" p6:StoreGeneratedPattern="Identity"</pre>
  xmlns:p6="http://schemas.microsoft.com/ado/2009/02/edm/annotation"/>
  <Property Name="CustomerID" Type="Edm.String" MaxLength="5" FixedLength="true" Unicode="true"/>
  <Pre><Pre>roperty Name="EmployeeID" Type="Edm.Int32"/>
  <Property Name="OrderDate" Type="Edm.DateTime"/>
  <Pre><Pre>roperty Name="RequiredDate" Type="Edm.DateTime"/>
  <Pre><Pre>roperty Name="ShippedDate" Type="Edm.DateTime"/>
  <Property Name="ShipVia" Type="Edm.Int32"/>
  <Property Name="Freight" Type="Edm.Decimal" Precision="19" Scale="4"/>
  <Property Name-"ShipName" Type-"Edm.String" MaxLength-"40" FixedLength-"false" Unicode-"true"/>
  <Property Name="ShipAddress" Type="Edm.String" NaxLength="60" FixedLength="false" Unicode="true"/>
  <Property Name="ShipCity" Type="Edm.String" MaxLength="15" FixedLength="false" Unicode="true"/>
  <Property Name="ShipRegion" Type="Edm.String" MaxLength="15" FixedLength="false" Unicode="true"/>
  <Property Name="ShipPostalCode" Type="Edm.String" MaxLength="10" FixedLength="false" Unicode="true"/>
  <Property Name="ShipCountry" Type="Edm.String" NaxLength="15" FixedLength="false" Unicode="true"/>
  <NavigationProperty Name="Customers" Relationship="NorthwindModel.FK Orders Customers" ToRole="Customers" FromRole="Orders"/>
  <NavigationProperty Name="Employee" Relationship="NorthwindModel.FK Orders Employees" ToRole="Employees" FromRole="Orders"/>
  <NavigationProperty Name="Order Details" Relationship="NorthwindModel.FK Order Details Orders" ToRole="Order Details" FromRole="Orders"/>
  <NavigationProperty Name="Shipper" Relationship="NorthwindModel.FK Orders Shippers" ToRole="Shippers" FronRole="Orders"/>
</EntityType>
```