1. Create a new object “Sample Request”
   1. Create field “Status” with options: Open, In Approval, Approved, Rejected, In Development, Closed (it should not be editable by users, it will be updated by workflows as you will see)
   2. Create field Start Date
   3. Create field End Date
   4. Create a field to include an image (a locker). This should be in the Sample Request Layout when the status is Approved or Rejected.
2. Create a new object “Sample Product”, with a Master-Detail relationship to Sample Request.
   1. It should be possible to indentify if Sample product is “Existing Product” or “New Formula” (User can choose the type)
   2. Create field “Quantity” (mandatory)
   3. Create text field “New Formula Description” that should only appear if the Sample Product is “New Formula” (and should be mandatory in this case)
   4. Create lookup field to Product that could only be filed (and should be mandatory in this case) when Sample Product is “Existing Product”
   5. A Sample Request can have multiple children (Sample Product), but not with different types – with should not be possible to connect a “new formula” and an “existing product” to the same Sample Request
3. Create an Approval Process to the Sample Request
   1. The user who can submit for approval must be the Owner.
   2. There can only be submitted Sample Request in Open or Rejected status
   3. When submitting to approval:
      1. The status should be “In Approval”
      2. The record should be Locked
      3. If Sample Request have Sample Products from type “Existing Products”, it should be approved by Product Manager
      4. If Sample Request have Sample Products from type “New formula”, it should be approved by R&D
   4. When Approved:
      1. The status should be “Approved”
      2. Sample Request owner should receive an email
      3. For Commercial profile the record should be in read only mode
   5. When Rejected
      1. The status should be “Rejected”
      2. The record should be Unlocked
      3. For Commercial profile the record should be in read only mode
4. Create workflow in Sample Request to:
   1. When the Status is Approved and Start Date is less or equal than today -> status should be change to “in Development”
   2. When the Status is in development & End Date is less or equal than today -> status should be change to “Closed”
5. Create a list view with samples that have “Existing Product”
6. Create a list view with samples that have “New Formula”