Component C. Personalized Project Reference.

Procedure:

i.

```
function gettypes(x) { ← → }
  var result = x;
  for ( var i = 0 ; i < result.length ; i++ ) {
    var selected = result[i];
    for ( var j = i+1 ; j < result.length ; j++ ) {
      if ( selected == result[j] ) {
        removeItem(result, j);
        j = j-1 ;
      }
    }
  }
  return result;
}
```

ii.

```
var alldrinktypes = gettypes( getColumn(▼ "Beverages Nutrition", ▼ "Type") ) ← → ;

onEvent(▼ "drinkfiltersubmit", ▼ "click", function() {
  var possibledrinks_id = [] → ;
  var possibledrinks_name = [] → ;
  var chosendrinktype = alldrinktypes[ getProperty(▼ "drinktypedropdown", ▼ "index") ] ;
  var chosendrinksugar = getProperty(▼ "drinksugardropdown", ▼ "text");
  var chosendrinkcalories = getProperty(▼ "drinkcaloriesslider", ▼ "value");
  var chosendrinksize = getProperty(▼ "servingsizedropdown", ▼ "value");
```

List:

i.

```
var drinktype = getColumn(▼"Beverages Nutrition", ▼"Type");
var drinkname = getColumn(▼"Beverages Nutrition", ▼"Name");
var drinkcalories = getColumn(▼"Beverages Nutrition", ▼"Calories");
var drinkcarbs = getColumn(▼"Beverages Nutrition", ▼"Carbohydrate (g)");
var drinksodium = getColumn(▼"Beverages Nutrition", ▼"Sodium (mg)");
var drinkcaffeine = getColumn(▼"Beverages Nutrition", ▼"Caffeine (mg)");
var drinksugarfree = getColumn(▼"Beverages Nutrition", ▼"Sugar Free?");
var drinkservingweight = getColumn(▼"Beverages Nutrition", ▼"Serving Weight (g)");
var drinkprotein = getColumn(▼"Beverages Nutrition", ▼"Protein (g)");
var drinkservingsize = getColumn(▼"Beverages Nutrition", ▼"Serving Description (fl oz)");

var possibledrinks_id = [] ▣;
var possibledrinks_name = [] ▣;

for (var i = 0; i < indexes.length; i++) {
    if ( chosendrinksugar == drinksugarfree[i] && drinkcalories[i] <= chosendrinkcalories ) {
        if ( chosendrinksize == drinkservingsize[i] && chosendrinktype == drinktype[i] ) {
            appendItem(possibledrinks_id , i+1);
            appendItem(possibledrinks_name , drinkname[i] );
        }
    }
}
setProperty(▼"possibledrinksdropdown", ▼"options", ▼possibledrinks_name);
setProperty(▼"possibledrinksdropdown", ▼"index", possibledrinks_name.length);
```

ii.

```
onEvent("possibledrinksdropdown", "change", function() {
  var x = drinkname.indexOf(getText("possibledrinksdropdown"));
  setText("possibledrinkinfo",
    "Taste: " + drinktaste[x] +
    "\ncaffeine (mg): " + drinkcaffeine[x] +
    "\nSodium (mg): " + drinksodium[x] +
    "\nServing Height (g): " + drinkservingweight[x] +
    "\n" + drinkimagedropdown[x] +
    "\n" + drinktext[x] +
    "\n" + drinkdropdown[x]
  );
});
```