

## 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(▼"drinkcalorieslider", ▼"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 (chosendrinks_size == 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.

[illegible]