

Here is an example of code used to create and modify Google forms:

```
1  function RefreshApplicationForm(reqID) {
2
3  var req = getReq(reqID);
4
5  var liveForm = FormApp.openById(req.AppFormID);
6  var templateForm = FormApp.openById(MASTER_APP_FORM);
7
8  //reset TITLE to %Tags%
9  var data = templateForm.getTitle();
10 liveForm.setTitle(data);
11
12 //reset description below title with %Tags%
13 var data = templateForm.getDescription();
14 liveForm.setDescription(data);
15
16 //reset Project Application text in section 2 back to %tags%
17 var templateItem = templateForm.getItemById("1088291216");
18 var data = templateItem.getHelpText();
19 var liveItem = liveForm.getItemById("1088291216");
20 liveItem.setHelpText(data);
21
22 //reset Project Application text in section 2 back to %tags%
23 var templateItem = templateForm.getItemById("683066803");
24 var data = templateItem.getHelpText();
25 var liveItem = liveForm.getItemById("683066803");
26 liveItem.setHelpText(data);
27
28 //reset Project Application Roles checkboxes
29 //no action needed to do this
30
31 //run Fill Form
32 FillForm(reqID);
33
34 SpreadsheetApp.getActiveSpreadsheet().toast(req.CP + " has been updated.", "Application Refresh Done.")
35
36 return;
37 }
38
39
40 function RefineFromPM(reqID){
41 var req = getReq(reqID);
42 req.RefineURL = getRefineLink(req);
43 writeReq(req);
44 FLGsendEmail(reqID, "Refinement-email");
45 SpreadsheetApp.getActiveSpreadsheet().toast('Refine request sent to PM and SPD.', 'Done')
46
47 }
48
49
50 function getRefineLink(req){
51 //debug
52 //var req = getReq("Req2");
53 //end
54
55 var form = FormApp.openById(SUBMIT_REQ_FORM);
56 var items = form.getItems();
57 var formResponse = form.createResponse();
58
59 //Fill Client~Project name
60 var formItem = items[0].asListItem();
61 var response = formItem.createResponse(req.CP);
62 formResponse.withItemResponse(response);
63
64 //Fill Project Title
65 var formItem = items[2].asTextItem();
66 var response = formItem.createResponse(req.ProjTitle);
67 formResponse.withItemResponse(response);
68 }
```

Here is an example of code used to process submitted forms:

```
1 function processNewReq() {
2   //grab all the reqs submitted
3   var NewReqsSheet = SpreadsheetApp.getActiveSpreadsheet().getSheetByName('NewReqs');
4   var NewReqsData = NewReqsSheet.getDataRange().getValues();
5
6
7   var ReqsToProcess = [];
8   //Look for new reqs not already ingested
9   for (var i=1; i < NewReqsData.length; i++){
10     if (NewReqsData[i][NewReqs_Ingested]){
11       //Do Nothing for now
12     }else{
13       ReqsToProcess.push(NewReqsData[i]);
14       NewReqsSheet.getRange(i+1,NewReqs_Ingested+1).setValue(new Date())
15     }
16   }
17
18   //take action on newly submitted reports
19   for (var i=0; i< ReqsToProcess.length; i++){
20     var ReqIterator = getConfig("ReqNum");
21
22     if (ReqsToProcess[i][NewReqs_ReqID]){
23       var req = getReq(ReqsToProcess[i][NewReqs_ReqID]);
24       var refreshReq={
25         Status: "4: Live [Refreshed]",
26         ReqID: ReqsToProcess[i][NewReqs_ReqID],
27         ProjTitle: ReqsToProcess[i][NewReqs_ProjTitle],
28         EmailAddress: ReqsToProcess[i][NewReqs_EmailAddress],
29         CP: ReqsToProcess[i][NewReqs_CP],
30         NumOfApps: "=COUNT(' " + ReqsToProcess[i][NewReqs_CP] + "'!A:A)",
31         ProjDesc: ReqsToProcess[i][NewReqs_ProjDesc],
32         PrefQuals: ReqsToProcess[i][NewReqs_PrefQuals],
33         ProjDuration: ReqsToProcess[i][NewReqs_ProjDuration],
34         ProjKnowArea: ReqsToProcess[i][NewReqs_ProjKnowArea],
35         ProjRoles: ReqsToProcess[i][NewReqs_ProjRoles],
36         Avail: ReqsToProcess[i][NewReqs_Avail],
37         Location: ReqsToProcess[i][NewReqs_Location],
38         AppFormID: req.AppFormID,
39         PubURL: req.PubURL,
40         RefineURL: "Last refreshed on " + new Date(),
41       };
42       writeReq(refreshReq);
43       identifyDeltasAndNotify(req,refreshReq);
44       RefreshApplicationForm(req.ReqID);
45
46     }else{
47       ReqIterator++;
48       //create array with all fields for new Req
49       var newReq = {
50         Status: "1: Staffing Review",
51         ReqID: "Req"+ReqIterator,
52         ProjTitle: ReqsToProcess[i][NewReqs_ProjTitle],
53         EmailAddress: ReqsToProcess[i][NewReqs_EmailAddress],
54         CP: ReqsToProcess[i][NewReqs_CP],
55         NumOfApps: "Not Created",
56         ProjDesc: ReqsToProcess[i][NewReqs_ProjDesc].
```