

Tax App Code

```
1 //Start Button
2 onEvent("StartBttn", "click", function() {
3   setScreen("2Disclaimer");
4 });
5
6 //Filing Status
7 var Status = getText("dropdownStatus");
8 var StandardDeduction = 0;
9 onEvent("DisclaimerBttn", "click", function() {
10  setScreen("3FilingStatus");
11  onEvent("dropdownStatus", "change", function() {
12    Status = getText("dropdownStatus");
13    if (Status == "Single") {
14      StandardDeduction = 6350;
15    } else if (Status == "Married Filing Jointly") {
16      StandardDeduction = 12700;
17    } else if (Status == "Married Filing Separately") {
18      StandardDeduction = 6350;
19    } else if (Status == "Head of Household"){
20      StandardDeduction = 9350;
21    } else if (Status == "Widow(er)") {
22      StandardDeduction = 12700;
23    } else {
24      console.log("Please select a filing status.");
25      Status = "Select A Filing Status";
26      StandardDeduction = 0;
27    }
28  });
29 });
30
31 //Filing Status Help
32 onEvent("HelpBttn", "click", function() {
33   setScreen("4WhatFilingStatus?");
34 });
35 onEvent("BackToFilingBttn", "click", function() {
36   setScreen("3FilingStatus");
37 });
38
39 //Finish Filing Status
40 onEvent("DependentsBttn", "click", function() {
41   if(StandardDeduction === 0){
42     setScreen("3FilingStatus");
43   }
44   if(StandardDeduction !== 0){
45     setScreen("5Dependents");
46   }
47   console.log("The filing Status is: " + Status + " " + StandardDeduction);
48 });
49
50 //Dependents
51 var dependent;
52 var exemption = 1;
53 onEvent("W-2Bttn", "click", function() {
54   setScreen("6W-2");
55   dependent = getNumber("dependentsInput");
56   if (Status == "Married Filing Jointly") {
57     exemption = exemption + 1;
58   }
59   exemption = exemption + dependent;
60   exemption = exemption * 4050;
61   console.log("Exemptions amount to: " + exemption);
62 });
63
64 //Total Revenue % Withholdings
65 var finalTotal;
66 var totalIncome;
67 var totalWithholding;
68 var adjustedIncome;
69 var taxRate;
70 var excess;
71 var extra;
72 var taxableIncome;
```



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73 onEvent("FinishBtnn","click", function(){
74     totalIncome = getNumber("IncomeInput");
75     totalWithholding = getNumber("WithholdingInput");
76     adjustedIncome = totalIncome - exemption - StandardDeduction;
77     if (adjustedIncome <= 0){
78         adjustedIncome = 0;
79     }
80     setScreen("7FinalScreen");
81     //Tax Bracket
82     if (Status == "Single"){
83         if (adjustedIncome <= 9325){
84             taxRate = 0.1;
85             extra = 0;
86             excess = 0;
87         } else if ((adjustedIncome <= 37950) && (adjustedIncome >= 9350)) {
88             taxRate = 0.15;
89             extra = 932.5;
90             excess = adjustedIncome - 9350;
91         } else if ((adjustedIncome <= 91900) && (adjustedIncome >= 37950)){
92             taxRate = 0.25;
93             extra = 5226.25;
94             excess = adjustedIncome - 37950;
95         } else if ((adjustedIncome <= 191650) && (adjustedIncome >= 91900)) {
96             taxRate = 0.28;
97             extra = 18713.75;
98             excess = adjustedIncome - 91900;
99         } else if ((adjustedIncome <= 416700) && (adjustedIncome >= 191650)) {
100             taxRate = 0.33;
101             extra = 46643.75;
102             excess = adjustedIncome - 191650;
103         } else if ((adjustedIncome <= 418400) && (adjustedIncome >= 416700)) {
104             taxRate = 0.35;
105             extra = 120910.25;
106             excess = adjustedIncome - 418400;
107         } else {
108             taxRate = 0.396;
109             extra = 121,505.25;
110             excess = adjustedIncome - 418400;
111         }
112     }
113     if (Status == "Married Filing Jointly" || Status == "Widow(er)") {
114         if (adjustedIncome <= 18650){
115             taxRate = 0.1;
116             extra = 0;
117             excess = 0;
118         } else if ((adjustedIncome <= 75900) && (adjustedIncome >= 18650)) {
119             taxRate = 0.15;
120             extra = 1865;
121             excess = adjustedIncome - 18,650;
122         } else if ((adjustedIncome <= 153100) && (adjustedIncome >= 75900)){
123             taxRate = 0.25;
124             extra = 10,452.50;
125             excess = adjustedIncome - 75900;
126         } else if ((adjustedIncome <= 233350) && (adjustedIncome >= 153100)) {
127             taxRate = 0.28;
128             extra = 29,752.50;
129             excess = adjustedIncome - 153,100;
130         } else if ((adjustedIncome <= 416700) && (adjustedIncome >= 233350)) {
131             taxRate = 0.33;
132             extra = 52,222.50;
133             excess = adjustedIncome - 233,350;
134         } else if ((adjustedIncome <= 470700) && (adjustedIncome >= 416700)) {
135             taxRate = 0.35;
136             extra = 112,728;
137             excess = adjustedIncome - 416700;
138         } else {
139             taxRate = 0.396;
140             extra = 131,628;
141             excess = adjustedIncome - 470,700;
142         }
143     }
144     if (Status == "Married Filing Separately"){
145         if (adjustedIncome <= 9325){
146             taxRate = 0.1;
147             extra = 0;
148             excess = 0;
149         } else if ((adjustedIncome <= 37950) && (adjustedIncome >= 9325)) {
150             taxRate = 0.15;
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151     extra = 1,865;
152     excess = adjustedIncome - 9325;
153 } else if ((adjustedIncome <= 76550) && (adjustedIncome >= 37950)){
154     taxRate = 0.25;
155     extra = 10,452.50;
156     excess = adjustedIncome - 37950;
157 } else if ((adjustedIncome <= 116675) && (adjustedIncome >= 76550)) {
158     taxRate = 0.28;
159     extra = 29,752.50;
160     excess = adjustedIncome - 76550;
161 } else if ((adjustedIncome <= 208350) && (adjustedIncome >= 116675)) {
162     taxRate = 0.33;
163     extra = 52,222.50;
164     excess = adjustedIncome - 116675;
165 } else if ((adjustedIncome <= 235350) && (adjustedIncome >= 208350)) {
166     taxRate = 0.35;
167     extra = 112,728;
168     excess = adjustedIncome - 208350;
169 } else {
170     taxRate = 0.396;
171     extra = 131,628;
172     excess = adjustedIncome - 235350;
173 }
174 }
175 if (Status == "Head of Household"){
176     if (adjustedIncome <= 13350){
177         taxRate = 0.1;
178         extra = 0;
179         excess = 0;
180     } else if ((adjustedIncome <= 50800) && (adjustedIncome >= 13350)) {
181         taxRate = 0.15;
182         extra = 1,865;
183         excess = adjustedIncome - 13350;
184     } else if ((adjustedIncome <= 131200) && (adjustedIncome >= 50800)){
185         taxRate = 0.25;
186         extra = 10,452.50;
187         excess = adjustedIncome - 50800;
188     } else if ((adjustedIncome <= 212500) && (adjustedIncome >= 76550)) {
189         taxRate = 0.28;
190         extra = 29,752.50;
191         excess = adjustedIncome - 76550;
192     } else if ((adjustedIncome <= 416700) && (adjustedIncome >= 212500)) {
193         taxRate = 0.33;
194         extra = 52,222.50;
195         excess = adjustedIncome - 212500;
196     } else if ((adjustedIncome <= 444550) && (adjustedIncome >= 416700)) {
197         taxRate = 0.35;
198         extra = 112728;
199         excess = adjustedIncome - 416700;
200     } else {
201         taxRate = 0.396;
202         extra = 131628;
203         excess = adjustedIncome - 444550;
204     }
205 }
206 console.log("Tax Rate: " + taxRate);
207 console.log("Extra:" +extra);
208 console.log("excess: " +excess);
209 //Apply Tax Bracket
210 taxableIncome = extra + (excess*taxRate);
211 console.log("Taxable Income: " + taxableIncome);
212 if (taxRate == 0.1){
213     taxableIncome = taxRate*adjustedIncome;
214 }
215 finalTotal = taxableIncome - totalWithholding;
216 console.log("Adjusted Income: " + adjustedIncome );
217 if (adjustedIncome === 0 || adjustedIncome === null){
218     finalTotal = -totalWithholding;
219 }
220 if (finalTotal <= 0) {
221     setText("label8", "This is your final estimated amount will be returned to you:");
222     setText("Finallabel", "$" + Math.abs(finalTotal));
223     console.log(finalTotal);
224     hideElement("xImage");
225     showElement("checkImage");
226 } else {
227     setText("label8", "This is your final estimated amount that you will owe:");
228     setText("Finallabel", "$" + finalTotal);
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229 console.log(finalTotal);
230 hideElement("checkImage");
231 showElement("xImage");
232 }
233 setText("FinalOweLabel", "$" + taxableIncome);
234 });
235
236 function reset(screenNum){
237   if (Status != "Select A Filing Status") {
238     Status = 0;
239     StandardDeduction = 0;
240     dependent = 0;
241     exemption = 0;
242     finalTotal = 0;
243     totalIncome = 0;
244     totalWithholding = 0;
245     adjustedIncome = 0;
246     taxRate = 0;
247     excess = 0;
248     extra = 0;
249     taxableIncome = 0;
250     setScreen("1WelcomeScreen");
251     setText("dropdownStatus", "Select A Filing Status");
252     setText("dependentsInput", "");
253     setText("IncomeInput", "");
254     setText("WithholdingInput", "");
255     hideElement("xImage");
256     hideElement("checkImage");
257     console.log("Reset From Screen " + screenNum);
258   }
259 }
260
261 onEvent("Reset", "click", function(){
262   reset(3);
263 });
264 onEvent("Reset2", "click", function(){
265   reset(5);
266 });
267 onEvent("Reset3", "click", function(){
268   reset(6);
269 });
```