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1: /*
2: * File: run.qml
3: * Description: Main controller/view for the frontend. Root element that
4: *               instantiates all components. Lasts the runtime of the GUI.
5: * Project: Carberry Pi
6: * Author: Ryan McHugh
7: * Year: 2020
8: */
9:
10: // root
11:
12: import QtQuick 2.11
13: import QtQuick.Window 2.4
14: import QtQuick.Controls 2.4
15: import QtQuick.Extras 1.4
16: import "../partials"
17: import "../js/header_back.js" as HeaderBack
18: import "../js/header_info.js" as HeaderInfo
19: import "../items" as Items
20:
21:
22:
23:
24: ApplicationWindow {
25:     id: root
26:     visible: true
27:     width: 800
28:     height: 480
29:     title: "Carberry Pi [Development]"
30:
31:     // Variables
32:     property var style: main.config['style']['current']
33:     property var header_list: {
34:         'info': false,
35:         'text': "",
36:         'stack': stack,
37:     }
38:     color: "white"
39:
40:     header: head
41:
42:     // Source: https://forum.qt.io/topic/62267/how-we-can-create-2-second-delay-or
-wait-in-qml/7
43:     Timer {
44:         id: timer
45:         running: false
46:         repeat: false
47:
48:         property var callback
49:
50:         onTriggered: callback()
51:     }
52:
53:     Timer {
54:         id: timer_extended
55:         running: false
56:         repeat: false
57:
58:         property var callback
59:
60:         onTriggered: callback()
61:     }
62:
63:     // Javascript Functions
64:     function setTimeout(callback, delay)
65:     {
66:         if(timer.running){
67:             console.error("nested calls to setTimeout are not supported!");
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68:     }
69:     timer.callback = callback;
70:     timer.interval = delay;
71:     timer.running = true;
72: }
73:
74: function setTimeoutRepeated(callback, delay, cont){
75:     if(timer.running){
76:         console.error("nested calls to setTimeoutRepeated are not supported!");
77:     }
78:     timer_extended.callback = callback;
79:     timer_extended.interval = delay;
80:     timer_extended.repeat = cont;
81:     timer_extended.running = true;
82: }
83:
84: function sendInfo(text){
85:     header_list['info'] = true;
86:     header_list['text'] = text;
87:     headerObj.list = header_list;
88:     setTimeout(function(){
89:         header_list['info'] = false;
90:         headerObj.list = header_list;
91:     }, 1000)
92: }
93:
94:
95: // run function to return conditional
96: function sendInfoExtended(text, run){
97:     setTimeoutRepeated(function(){
98:         header_list['info'] = !run();
99:         header_list['text'] = text;
100:         headerObj.list = header_list;
101:     }, 1000, !run())
102: }
103:
104: function printTest(){
105:
106:     console.log("\n_____TESTING_____\\n\\n")
107:
108:     var test_dict = stack.currentItem.children[0].testValues()
109:
110:     console.log("\n___DASH___")
111:     console.log('Speed: ' + (main.handler['speed'] == test_dict['SPEED'] ? "YES"
: "No"))
112:     console.log('RPM: ' + (main.handler['rpm'] == test_dict['RPM'] ? "YES" : "No
"))
113:     console.log('Coolant: ' + (main.handler['engine_temp'] == test_dict['COOLANT
'] ? "YES" : "No"))
114:
115:     console.log("\n___Diagnostics___");
116:     // console.log(test_dict['diag_1'] == 22 ? "YES" : "No")
117:     for(var iter = 1; iter <= 6; iter++){
118:         console.log('temp' + iter + ' ' + (main.diagnostics[test_dict['diag'].ge
t(iter - 1)['key']] == test_dict['diag'].get(iter - 1)['value'] ? "YES" : "No"))
119:         // console.log(test_dict['diag'].get(0)['value'])
120:         // console.log(main.diagnostics['temp1'])
121:     }
122:     console.log("\n_____END TESTING_____\\n\\n")
123:
124:
125: }
126:
127: Item {
128:     id: head
129:     Header {
130:         id: headerObj
131:         list: header_list
```



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199:         var text = ""
200:         if(this.currentIndex == 0)
201:             text = firstPage.objectName
202:         else{
203:             text = secondPage.objectName
204:             if(text == "Diagnostics")
205:                 diagObj.props.refreshModel();
206:         }
207:
208:         sendInfo(text);
209:         // HeaderInfo.create(header_list['text'])
210:     }
211:
212:
213:     Item {
214:         id: firstPage
215:         objectName: "Dashboard"
216:
217:         Dash{
218:             id: dashObj
219:             anchors.horizontalCenter: parent.horizontalCenter
220:             anchors.verticalCenter: parent.verticalCenter
221:             context: main
222:         }
223:     }
224:
225:     Item {
226:         id: secondPage
227:         objectName: "Diagnostics"
228:
229:         Diagnostics{
230:             id: diagObj
231:             // Items.Button{
232:             //     text: "Settings"
233:             //     style: main.config['style']['current']
234:             //     implicitWidth: 100
235:             //     onClicked: stack.push(view2)
236:             //     anchors.bottom: parent.bottom
237:             // }
238:             anchors.horizontalCenter: parent.horizontalCenter
239:             anchors.verticalCenter: parent.verticalCenter
240:             context: main
241:         }
242:     }
243: }
244:
245:
246: PageIndicator {
247:     id: indicator
248:
249:     count: swipeView.count
250:     currentIndex: swipeView.currentIndex
251:
252:     anchors.bottom: swipeView.bottom
253:     anchors.horizontalCenter: parent.horizontalCenter
254: }
255:
256:
257: }
258:
259:
260: Component.onCompleted: function(){
261:
262:     if(style == null)
263:         return;
264:
265:     sendInfoExtended("Connecting...", function(){
266:         // console.log("connection-established: " + main.diagnostics['connecti
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on-established'))
267:         return main.diagnostics['connection-established']
268:     });
269:
270:     if(main.handler['dev']){
271:         console.log("DEV MODE ENABLED!")
272:         printTest()
273:     }
274:
275:
276:     stategroup.state = style;
277:
278: }
279:
280: StateGroup {
281:     id: stategroup
282:     states: [
283:         State {
284:             name: "dark"
285:             PropertyChanges { target: root; color: "#000123"}
286:         },
287:         State {
288:             name: "light"
289:             PropertyChanges { target: root; color: "white"}
290:         }
291:     ]
292: }
293:
294:
295:
296:
297:
298:
299: }
300:
301: }
```