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SWEN30007 Group 4
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#4 MERGED   ⑂ operatordev ➡ ⑂ master   Unapprove ‹ 1

Merge in operator interface code to main branch

| Overview | Commits | Activity |

Author   rdmx

Reviewers

Description   Merge in operator interface code to main branch

              None of this has touched the app code, so I expect this to be fine.

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Comments (0)

What do you want to say?

Files changed (8)

+36 −15 parseCloudCode/cloud/app.js
+16 −3   parseCloudCode/cloud/json_query_tester.py
+183 −1   parseCloudCode/cloud/main.js
+68 −0   parseCloudCode/cloud/views/alert.ejs
+4   −2   parseCloudCode/cloud/views/hello.ejs
+5   −1   parseCloudCode/cloud/views/login.ejs
+7   −6   parseCloudCode/cloud/views/system.ejs
+23 −1   parseCloudCode/public/css/style.css

parseCloudCode/cloud/app.js   Side-by-side diff   View file

```
65  65

66  66       app.get('/', function(req, res) {
67  67         if (Parse.User.current()) {
68      -        // No need to fetch the current user for querying Note objects.
69      -        var Note = Parse.Object.extend("Note");
70      -        var query = new Parse.Query(Note);
71      -        query.find().then(function(results)
72      -          {
73      -          // Render the notes that the current user is allowed to see.
74      -        },
75      -        function(error) {
76      -          // Render error page.
77      -        });
    68  +        // user is logged in.
    69  +            res.redirect('/system');
    70  +
78  71         } else {
79  72           // Render a public welcome page, with a link to the '/login' endpoint.
80  73
```

```
90  83             //result2 is an array of json objects.
91  84             var result = "";
92  85             var stringed = "";
93      -           console.log(result2)
    86  +           //console.log(result2)
94  87             //for (var i=0; i<result2.length; i++)
95  88             //{
                   //    console.log(result2.name);
```

```
113  106        });
114  107
115  108     app.get('/system/alert/:alarmID', function(req, res){
116       -       console.log(req.params.alarmID);
117       -       //we've got an alarmID, let's bring up the alert info along with the
118       -       res.redirect('/system');
119       -     });
     109   +     Parse.Cloud.run('get_user_from_alert', {alertID: req.params.alarmID}, {
     110   +       success:function(result2) {
     111   +           //console.log(req.params.alarmID);
     112   +           //console.log(result);
     113   +           //we've got an alarmID, let's bring up the user info along with it
     114   +           var thisurl = "/system/alert/"+req.params.alarmID;
     115   +           var result = "";
     116   +           result = String(result2);
     117   +           res.render('alert.ejs', {message: result2, url:thisurl});
     118   +       },
     119   +
     120   +       error: function(error){
     121   +
     122   +       }
     123   +     }   );
     124   +   });
     125   +
     126   +   app.get('/system/alert/:alarmID/dismiss', function(req, res){
     127   +       Parse.Cloud.run('dismiss_alarm', {alertID: req.params.alarmID}, {
     128   +       success:function(result2) {
     129   +           //console.log(req.params.alarmID);
     130   +           //console.log(result);
     131   +           //we've got an alarmID, let's bring up the user info along with it
     132   +           res.redirect('/system');
     133   +       },
     134   +
     135   +       error: function(error){
     136   +
     137   +       }
     138   +     }   );
     139   +   });
     140   +
120  141
121  142
122  143     // You could have a "Profile" link on your website pointing to this.
```

parseCloudCode/cloud/json_query_tester.py   [Side-by-side diff] [View file]

```
 9    9    print result '''
10   10
11   11
12        -import json,httplib
     12   +'''import json,httplib
13   13    connection = httplib.HTTPSConnection('api.parse.com', 443)
14   14    connection.connect()
15   15    connection.request('POST', '/1/functions/get_active_alarms', json.dumps({
```

```
19   19          "Content-Type": "application/json"
20   20      })
21   21    result = json.loads(connection.getresponse().read())
22        -print result
     22   +print result '''
23   23
24   24    # import json,httplib
25   25    # connection = httplib.HTTPSConnection('api.parse.com', 443)
```

```
31   31    #       "Content-Type": "application/json"
32   32    #   })
33   33    # result = json.loads(connection.getresponse().read())
34        -# print result
     34   +# print result
     35   +
     36   +import json,httplib
     37   +connection = httplib.HTTPSConnection('api.parse.com', 443)
     38   +connection.connect()
     39   +connection.request('POST', '/1/functions/get_user_from_alert', json.dumps({
```

```
40  +        "alertID": "HjHE1bsEzN"
41  +    }), {
42  +        "X-Parse-Application-Id": "MVq1PZGssKpeTZAWjqvgljViUY1FE1WtyZiuVDTa",
43  +        "X-Parse-REST-API-Key": "jSnTsnBTx89Bz68dJlRy8EAFRYwpdaeNgigjGZZQ",
44  +        "Content-Type": "application/json"
45  +    })
46  +result = json.loads(connection.getresponse().read())
47  +print result
```

---

parseCloudCode/cloud/main.js   [Side-by-side diff] [View file]

```
        [ ... ]

35  35
36  36     require('cloud/app.js');
37  37
38      +Parse.Cloud.job("check_last_check_in_time", function(request, status) {
39      +        Parse.Cloud.useMasterKey();
40      +        var userquery = new Parse.Query("User");
41      +        var checkinquery;
42      +        userquery.equalTo("Type", "Caree");
43      +        var timeout = 60;
44      +        //var timeout = 60*60*24//in seconds - seconds, minutes, hours - 24 hours
45      +        userquery.each(function(user) {
46      +                //iterate through every user
47      +                checkinquery = new Parse.Query("Check_In");
48      +                var checkinID = user.get("lastCheckInId");
49      +                //console.log(user);
50      +
51      +                checkinquery.get(checkinID, {
52      +                        success: function(checkin_object)
53      +                        {
54      +                                console.log(checkinID);
55      +                                console.log(checkin_object);
56      +                                var time_sent = new Date();
57      +                                time_sent = checkin_object.updatedAt;
58      +                                var diff = Math.abs(new Date() - time_sent);
59      +                                diff = diff/1000; //time in seconds since last check in
60      +                                console.log(diff)
61      +
62      +                                if(diff>timeout)
63      +                                {
64      +                                        //aka, this person is over the check in timer. grab the list of active alarms to see if
65      +                                        Parse.Cloud.run('get_active_alarms', {}, {
66      +                                        success: function(result2) {
67      +                                                //console.log(result2);
68      +
69      +                                                //i have no fucking idea why this is necessary but it doesn't work otherwise
70      +                                                var result3 = ""
71      +                                                result3 = String(result2);
72      +                                                var result = JSON.parse(result3);
73      +                                                var found = -1;
74      +                                                //console.log(result);
75      +
76      +                                                for(var i=0; i<result.length; i++)
77      +                                                {
78      +                                                        if(result[i].username == user.get("username"))
79      +                                                        {
80      +                                                                console.log(result[i].username);
81      +                                                                console.log(user.get("username"));
82      +                                                                //ie we already have an activated alarm
83      +                                                                found = i;
84      +                                                                console.log('activated alarm found already');
85      +                                                                break;
86      +                                                        }
87      +                                                }
88      +
89      +                                                if(found == -1)
90      +                                                {
91      +                                                        //add new alarm object
92      +                                                        console.log('must add alarm!');
93      +
94      +                                                        var firstName = user.get("firstName");
95      +                                                        var lastName = user.get("lastName");
96      +
97      +                                                        // Send Alarm to server
98      +                                                        var Stuff = Parse.Object.extend("Alarm");
99      +                                                        var obj = new Stuff();
100     +                                                        obj.set("Name", firstName + " " + lastName);
101     +                                                        obj.set("username", user.get("username"));
```

```
102  +                                obj.set("Activated", true);
103  +                                obj.set("Type", "No response from patient");
104  +                                obj.save(null,
105  +                                {
106  +                                        success: function(obj)
107  +                                        {
108  +                                                response.success("yayifications!");
109  +
110  +                                                Parse.Push.send({
111  +                                                channels: [user.get("username")],
112  +                                                data: {
113  +                                                        alert: firstName + " " + lastName + " needs HEL
114  +                                                }
115  +                                        }, {
116  +                                                success: function(test) {
117  +                                                        // Push was successful
118  +                                                        console.log("push_successful!");
119  +                                                },
120  +                                            error: function(error) {
121  +                                                        // Handle error
122  +                                                        console.error(error);
123  +                                                }
124  +                                        });
125  +
126  +                                        },
127  +                                        error:function (obj, error)
128  +                                        {
129  +                                                response.error("error!");
130  +                                        }
131  +                                });
132  +                                console.log(obj);
133  +
134  +                                // Notify Carers on Alarm
135  +
136  +
137  +                            }
138  +                        },
139  +                        error: function(error){
140  +
141  +                        }
142  +                        });
143  +                    //calculate time elapsed since checkin
144  +                    }
145  +                },
146  +                error: function(error)
147  +                {
148  +                        status.error("ERROR");
149  +                }
150  +        });
151  +
152  +
153  +    })
154  +
155  +});
156  +
157  +
158  +
38   159  // Use Parse.Cloud.define to define as many cloud functions as you want.
39   160  // For example:
40   161  Parse.Cloud.define("hello", function(request, response) {
41   162    response.success("Hello world!");
42   163  });
43   164
     165  +Parse.Cloud.define("get_user_from_alert", function(request, response){
     166  +        //given an alertID, will retrieve user information and stringify
     167  +        var alertID = request.params.alertID;
     168  +        var alarmquery = new Parse.Query("Alarm");
     169  +        var userquery = new Parse.Query("User");
     170  +        alarmquery.get(alertID, {
     171  +        success: function (alarm_object)        {
     172  +                //using this object, we get the username
     173  +                var a_username = alarm_object.get("username");
     174  +                //console.log(a_username);
     175  +                userquery.equalTo("username", a_username);
     176  +                userquery.find({
     177  +                        success: function(user_object) {
     178  +                                var json_objects = new Array();
     179  +                                json_objects = [{"alarm": alarm_object}, {"user": user_object[0]}];
     180  +                                //console.log(json_objects);
     181  +                                response.success(JSON.stringify(json_objects));
     182  +                        },
```

```
183  +            error: function(error)
184  +            {
185  +
186  +            }
187  +            })
188  +
189  +        },
190  +        error: function(error)
191  +        {
192  +
193  +        }
194  +
195  +        })
196  +});
197  +
44   198   Parse.Cloud.define("get_check_in_list", function(request, response) {
45   199       //THIS FUNCTION gets the table of check ins
46   200       //it then finds when was the last check_in from each user
```

```
93   247     response.success();
94   248   });
95   249
     250  +Parse.Cloud.define("dismiss_alarm", function(request, response) {
     251  +   //given an alarmID, will set its activated state to false.
     252  +       var alertID = request.params.alertID;
     253  +       var alarmquery = new Parse.Query("Alarm");
     254  +       alarmquery.get(alertID, {
     255  +       success: function (alarm_object)
     256  +       {
     257  +           alarm_object.set("Activated", false);
     258  +           alarm_object.save(null,
     259  +           {
     260  +               success: function()
     261  +               {
     262  +                   response.success("yayifications!");
     263  +               },
     264  +               error:function (error)
     265  +               {
     266  +                   response.error("error!");
     267  +               }
     268  +           });
     269  +       },
     270  +       error: function (error)
     271  +       {
     272  +
     273  +       }});
     274  +});
     275  +
96   276   Parse.Cloud.define("get_active_alarms", function(request, response) {
97   277       //THIS FUNCTION will return an object containing any activated alarms
98   278       //ie. the last message was not a cancel
```

```
112  292                          var obj = {}
113  293                          var d = new Date();
114  294                          var name = results[i].get("Name");
     295  +                        var username = results[i].get("username");
115  296                          var inlastalarm = 0;
116  297                          d=results[i].updatedAt;
117  298                          obj.time = d;
118  299                          obj.name = name;
     300  +                        obj.username = username;
119  301                          obj.objectid = results[i].id;
120  302                          obj.activated = results[i].get("Activated");
121  303
```

```
165  347       },
166  348       error: function(error) {
167  349
168       -           reponse.error("something went very terribly wrong");
     350  +           response.error("something went very terribly wrong");
169  351       }
170  352
171  353   })
```

parseCloudCode/cloud/views/alert.ejs   [Side-by-side diff] [View file]

```
1    +<!DOCTYPE html>
2    +<html>
3    +   <head>
4    +        <% function timeDifference(current, previous) {
5    +
6    +    var msPerMinute = 60 * 1000;
7    +    var msPerHour = msPerMinute * 60;
8    +    var msPerDay = msPerHour * 24;
9    +    var msPerMonth = msPerDay * 30;
10   +    var msPerYear = msPerDay * 365;
11   +
12   +    var elapsed = current - previous;
13   +
14   +    if (elapsed < msPerMinute) {
15   +         return Math.round(elapsed/1000) + ' seconds ago';
16   +    }
17   +
18   +    else if (elapsed < msPerHour) {
19   +         return Math.round(elapsed/msPerMinute) + ' minutes ago';
20   +    }
21   +
22   +    else if (elapsed < msPerDay ) {
23   +         return Math.round(elapsed/msPerHour ) + ' hours ago';
24   +    }
25   +
26   +    else if (elapsed < msPerMonth) {
27   +         return 'approximately ' + Math.round(elapsed/msPerDay) + ' days ago';
28   +    }
29   +
30   +    else if (elapsed < msPerYear) {
31   +         return 'approximately ' + Math.round(elapsed/msPerMonth) + ' months ago';
32   +    }
33   +
34   +    else {
35   +         return 'approximately ' + Math.round(elapsed/msPerYear ) + ' years ago';
36   +    }
37   +}        %>
38   +        <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'>
39   +        <link rel='stylesheet' href='/css/style.css' />
40   +    <title>Active Alarm!</title>
41   +   </head>
42   +   <body>
43   +        <% var date = new Date() %>
44   +        <%      date.toISOString()%>
45   +
46   +    <div class="page_title">ALERT INFORMATION</div>
47   +        <p><%= message %></p>
48   +    <p>
49   +        <% var result = JSON.parse (message) %>
50   +        <%= result[0].alarm.Name %>
51   +        <p><%= url %></p>
52   +
53   +        <table class="list">
54   +        <tr><td class="attr_title">Name</td><td> <%= result[1].user.firstName %> <%= result[1].user.lastName %> </td></tr>
55   +        <tr><td class="attr_title">Email</td><td><%= result[1].user.email %></td></tr>
56   +        <tr><td class="attr_title">Phone Number</td><td><%= result[1].user.phonenumber %></td></tr>
57   +        <tr><td class="attr_title">Alert Status</td><td><%= result[0].alarm.Activated %></td></tr>
58   +
59   +        <tr><td class="attr_title">Alarm triggered</td><td><%= result[0].alarm.createdAt%></td></tr>
60   +        </table>
61   +        <% url += "/dismiss" %>
62   +        </p>
63   +        <a href = <%- url %>>DISMISS ALARM</a>
64   +        <a href ='/css/style.css'>css file</a>
65   +        <a href ="/logout"> Login here</a>
66   +        <a href ="/system"><--- back to active alarms</a>
67   +   </body>
68   +</html>
```

---

parseCloudCode/cloud/views/hello.ejs   [Side-by-side diff] [View file]

[...]

```
2  2    <!DOCTYPE html>
3  3    <html>
4  4      <head>
5    -     <title>Sample App</title>
   5  +     <title>Group 4 Operator Interface</title>
   6  +        <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'>
```

```
  7  8      +          <link rel='stylesheet' href='/css/style.css' />
  6  8          </head>
  7  9          <body>
  8        -        <h1>Hello World</h1>
    10      +        <div class="page_title">Welcome to Group 4 - Operator Interface</div>
  9  11          <p><%= message %></p>
 10  12            <a href ="/login"> Login here</a>
 11  13          </body>
```

---

parseCloudCode/cloud/views/login.ejs   [Side-by-side diff] [View file]

```
  1  1      <html>
  2        -      <head></head>
     2      +      <head>
     3      +        <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'>
     4      +        <link rel='stylesheet' href='/css/style.css' />
     5      +        <title>Group 4 Login</title>
     6      +      </head>
  3  7        <body>
  4  8
  5  9          <form method="post" action="/login">
```

---

parseCloudCode/cloud/views/system.ejs   [Side-by-side diff] [View file]

```
  3  3    <html>
  4  4      <head>
  5  5        <script type="text/javascript" src="ejs_production.js"></script>
     6      +        <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'>
     7      +         <link rel='stylesheet' href='/css/style.css' />
  6  8        <title>Group4 - Operator Interface</title>
  7  9      </head>
  8  10      <body>
  9        -    <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'>
 10        -    <link rel='stylesheet' href='/css/style.css' />
    11      +
 11  12        <h1>Emergency button Operator System</h1>
 12  13          <p><%= message %></p>
 13  14        <p>
 14  15          <% var result = JSON.parse(message) %>
 15  16
 16        -      <table>
    17      +      <table class="list">
 17  18          <% for(var i=0; i<result.length; i++) {%>
 18  19            <tr>
 19        -          <td class="messageblock">
    20      +          <td class="attr_title">
 20  21              <%= result[i].name %>
 21  22            </td>
 22  23            <td><%=result[i].time%></td>
 23        -          <td><% var html = "<a href ='system/alert/"+result[i].objectid+"'>"+result[i].objectid+"</a>" %>
    24      +          <td><% var html = "<a href ='system/alert/"+result[i].objectid+"'>"+result[i].objectid+" --> GO</a>" %>
 24  25            <%- html %></td>
 25  26
 26  27
```

```
 29  30          </table>
 30  31        </p>
 31  32        <a href ='/css/style.css'>css file</a>
 32        -      <a href ="/login"> Login here</a>
    33      +      <a href ="/logout"> Logout</a>
 33  34      </body>
 34  35    </html>
```

---

parseCloudCode/public/css/style.css   [Side-by-side diff] [View file]

```
  1  1    body {
  2        -      font-family 'Open Sans', sans-serif; font-weight400;
     2      +      font-family: 'Open Sans', sans-serif;
     3      +}
     4      +
```

```
  5   +.page_title
  6   +{
  7   +                font-family: 'Open Sans', sans-serif; font-weight:700;
  8   +                font-size: 200%
  9   +}
 10   +
 11   +.attr_title
 12   +{
 13   +       font-family: 'Open Sans', sans-serif; font-weight:700;
 14   +       padding:5px;
 15   +       text-align:left;
 16   +}
 17   +
 18   +table.list
 19   +{
 20   +       table-layout: fixed;
 21   +       text-align:left;
 22   +       background-color:#eeeeee;
 23   +       border-radius: 5px;
 24   +       border-collapse:collapse;
  3  25    }
```