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1  package edu.seaaddicts.brockbutler.coursemanager;
2
3  import java.util.ArrayList;
4
5  import android.app.Activity;
6  import android.os.Bundle;
7  import android.util.Log;
8  import android.util.SparseBooleanArray;
9  import android.view.View;
10 import android.view.View.OnClickListener;
11 import android.widget.AdapterView;
12 import android.widget.Button;
13 import android.widget.LinearLayout;
14 import android.widget.ListView;
15 import android.widget.TextView;
16 import edu.seaaddicts.brockbutler.R;
17 import edu.seaaddicts.brockbutler.contacts.Contact;
18 import edu.seaaddicts.brockbutler.scheduler.Task;
19
20 public class ModifyCourseActivity extends Activity {
21
22     private static final String TAG = "ModifyCourseActivity";
23
24     private static final int VISIBLE = 0;
25     private static final int GONE = 8;
26
27     ArrayList<String> mLecs;
28     ArrayList<String> mLabs;
29     ArrayList<String> mTuts;
30     ArrayList<String> mSems;
31
32     ArrayList<Offering> mLecsOfferings;
33     ArrayList<Offering> mLabsOfferings;
34     ArrayList<Offering> mTutsOfferings;
35     ArrayList<Offering> mSemsOfferings;
36
37     public String mSubject;
38     public String mCode;
39     public String mDesc;
40     public String mInstructor;
41     public String mInstructor_email;
42     public ArrayList<Offering> mOfferings;
43     public ArrayList<Task> mTasks;
44     public ArrayList<Contact> mContacts;
45     public Course course;
46     public Course brock;
47
48     private Button mSaveButton;
49     private Button mCancelButton;
50
51     private ListView mLecsListView;
52     private ListView mSemsListView;
53     private ListView mTutsListView;
54     private ListView mLabsListView;
55
56     private CurrentCoursesHandler mCourseHandle;
57
58     private TextView mSubjectTextView;
59
60     @Override
61     protected void onCreate(Bundle savedInstanceState) {
62         super.onCreate(savedInstanceState);
63         setContentView(R.layout.activity_modify_course);
64         Bundle bundle = this.getIntent().getExtras();
65
66         brock = new CourseHandler(getApplicationContext()).getCourseOfferings(
67             bundle.getString(CourseManagerActivity.CODE_COURSE_SUBJECT),
68             bundle.getString(CourseManagerActivity.CODE_COURSE_CODE));
69         mCourseHandle = new CurrentCoursesHandler(this(getApplicationContext());
70         course = mCourseHandle.getCourse(bundle.getString(CourseManagerActivity.
71             CODE_COURSE_SUBJECT),

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71         bundle.getString(CourseManagerActivity.CODE_COURSE_CODE));
72
73     init();
74 }
75
76 /*
77  * Initialize all views and sets Button OnClickListener.
78  */
79 private void init() {
80     // Set Buttons
81     mSaveButton = (Button) findViewById(R.id.add_course_save_button);
82     mCancelButton = (Button) findViewById(R.id.add_course_cancel_button);
83
84     // Instantiate TextView
85     mSubjectTextView = (TextView) findViewById(R.id.modify_course_subject_textview);
86
87     // Set TextView
88     mSubjectTextView.setText(course.mSubject+" "+course.mCode);
89
90     mCode = course.mCode;
91     mOfferings = brock.mOfferings;
92
93     String s;
94     mLecs = new ArrayList<String>();
95     mLabs = new ArrayList<String>();
96     mTuts = new ArrayList<String>();
97     mSems = new ArrayList<String>();
98
99     mLecsOfferings = new ArrayList<Offering>();
100    mLabsOfferings = new ArrayList<Offering>();
101    mTutsOfferings = new ArrayList<Offering>();
102    mSemsOfferings = new ArrayList<Offering>();
103
104    for (int i = 0; i < mOfferings.size(); i++) {
105        s = mOfferings.get(i).mType;
106
107        // Some offerings don't have any of what we are looking for,
108        // so check length to make sure.
109        if (s.length() > 2) {
110            String ss = s.substring(0, 3).trim();
111            if (ss.equalsIgnoreCase("lec")) {
112                mLecs.add(s + ", SEC " + mOfferings.get(i).mSection);
113                mLecsOfferings.add(mOfferings.get(i));
114            } else if (ss.equalsIgnoreCase("lab")) {
115                mLabs.add(s + ", SEC " + mOfferings.get(i).mSection);
116                mLabsOfferings.add(mOfferings.get(i));
117            } else if (ss.equalsIgnoreCase("tut")) {
118                mTuts.add(s + ", SEC " + mOfferings.get(i).mSection);
119                mTutsOfferings.add(mOfferings.get(i));
120            } else if (ss.equalsIgnoreCase("sem")) {
121                mSems.add(s + ", SEC " + mOfferings.get(i).mSection);
122                mSemsOfferings.add(mOfferings.get(i));
123            }
124        }
125    }
126
127    // Check if offerings available, and add ListView to display if so.
128    LinearLayout lec_lay = (LinearLayout) findViewById(R.id.layout_add_lecs);
129    LinearLayout lab_lay = (LinearLayout) findViewById(R.id.layout_add_labs);
130    LinearLayout tut_lay = (LinearLayout) findViewById(R.id.layout_add_tuts);
131    LinearLayout sem_lay = (LinearLayout) findViewById(R.id.layout_add_sems);
132
133    if (mLecs.size() > 0) {
134        lec_lay.setVisibility(VISIBLE);
135        mLecsListView = (ListView) findViewById(R.id.add_course_add_lecs);
136        mLecsListView.setAdapter(new ArrayAdapter<String>(
137            getApplicationContext(),
138            android.R.layout.simple_list_item_multiple_choice,
139            mLecs));
140    } else {
141        lec_lay.setVisibility(GONE);

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142     }
143     if (mLabs.size() > 0) {
144         lab_layout.setVisibility(VISIBLE);
145         mLabsListView = (ListView) findViewById(R.id.add_course_add_labs);
146         mLabsListView.setAdapter(new ArrayAdapter<String>(
147             getApplicationContext(),
148             android.R.layout.simple_list_item_multiple_choice,
149             mLabs));
150     } else {
151         lab_layout.setVisibility(GONE);
152     }
153     if (mTuts.size() > 0) {
154         tut_layout.setVisibility(VISIBLE);
155         mTutsListView = (ListView) findViewById(R.id.add_course_add_tuts);
156         mTutsListView.setAdapter(new ArrayAdapter<String>(
157             getApplicationContext(),
158             android.R.layout.simple_list_item_multiple_choice,
159             mTuts));
160     } else {
161         tut_layout.setVisibility(GONE);
162     }
163     if (mSemsOfferings.size() > 0) {
164         sem_layout.setVisibility(VISIBLE);
165         mSemsListView = (ListView) findViewById(R.id.add_course_add_sems);
166         mSemsListView.setAdapter(new ArrayAdapter<String>(
167             getApplicationContext(),
168             android.R.layout.simple_list_item_multiple_choice,
169             mSems));
170     } else {
171         sem_layout.setVisibility(GONE);
172     }
173
174     // Set OnClickListener
175     mSaveButton.setOnClickListener(new OnClickListener() {
176         public void onClick(View v) {
177             Course c = new Course();
178             c.mSubject = course.mSubject;
179             c.mCode = course.mCode;
180             c.mDesc = course.mDesc;
181             c.mInstructor = course.mInstructor;
182             c.mInstructor_email = course.mInstructor_email;
183             for (Task t : course.mTasks)
184                 c.mTasks.add(t);
185
186             for (Offering o : course.mOfferings)
187                 mCourseHandle.deleteOffering(o);
188
189             SparseBooleanArray sbal, sba2, sba3, sba4;
190             if (mLecsListView != null) {
191                 sbal = mLecsListView.getCheckedItemPositions();
192                 for (int i = 0; i < mLecsListView.getCount(); i++) {
193                     if (sbal.get(i) == true) {
194                         c.mOfferings.add(mLecsOfferings.get(i));
195                         Log.d(TAG, "Added: " + mLecsOfferings.get(i).mSubj
196                             + " " + mOfferings.get(i).mCode + ", Type "
197                             + mOfferings.get(i).mType + ", Section "
198                             + mOfferings.get(i).mSection
199                             + " to Offerings");
200                     }
201                 }
202             }
203
204             if (mLabsListView != null) {
205                 sba2 = mLabsListView.getCheckedItemPositions();
206
207                 for (int i = 0; i < mLabsListView.getCount(); i++) {
208                     if (sba2.get(i) == true) {
209                         c.mOfferings.add(mLabsOfferings.get(i));
210                         Log.d(TAG, "Added: " + mLabsOfferings.get(i).mSubj
211                             + " " + mOfferings.get(i).mCode + ", Type "
212                             + mOfferings.get(i).mType + ", Section "

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213         + mOfferings.get(i).mSection
214         + " to Offerings");
215     }
216 }
217 }
218
219 if (mTutsListView != null) {
220     sba3 = mTutsListView.getCheckedItemPositions();
221
222     for (int i = 0; i < mTutsListView.getCount(); i++) {
223         if (sba3.get(i) == true) {
224             c.mOfferings.add(mTutsOfferings.get(i));
225             Log.d(TAG, "Added: " + mTutsOfferings.get(i).mSubj
226                 + " " + mOfferings.get(i).mCode + ", Type "
227                 + mOfferings.get(i).mType + ", Section "
228                 + mOfferings.get(i).mSection
229                 + " to Offerings");
230         }
231     }
232 }
233
234 if (mSemsListView != null) {
235     sba4 = mSemsListView.getCheckedItemPositions();
236
237     for (int i = 0; i < mSemsListView.getCount(); i++) {
238         if (sba4.get(i) == true) {
239             c.mOfferings.add(mSemsOfferings.get(i));
240             Log.d(TAG, "Added: " + mSemsOfferings.get(i).mSubj
241                 + " " + mOfferings.get(i).mCode + ", Type "
242                 + mOfferings.get(i).mType + ", Section "
243                 + mOfferings.get(i).mSection
244                 + " to Offerings");
245         }
246     }
247 }
248 if (c.mSubject != null) {
249     try {
250         mCourseHandle.addCourse(c);
251         onBackPressed();
252     } catch (Exception e) {
253         // TODO Auto-generated catch block
254         e.printStackTrace();
255     }
256 }
257 }
258 });
259
260 mCancelButton.setOnClickListener(new OnClickListener() {
261     public void onClick(View v) {
262         // Do nothing.
263         onBackPressed();
264     }
265 });
266 }
267 }
268

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