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1 package edu.seaaddicts.brockbutler.scheduler;
2
3 import java.text.SimpleDateFormat;
4 import java.util.ArrayList;
5 import java.util.Date;
6 import java.util.Locale;
7
8 import android.app.Activity;
9 import android.app.DatePickerDialog;
10 import android.app.Dialog;
11 import android.os.Bundle;
12 import android.util.Log;
13 import android.view.View;
14 import android.view.View.OnClickListener;
15 import android.view.WindowManager;
16 import android.widget.AdapterView;
17 import android.widget.Button;
18 import android.widget.DatePicker;
19 import android.widget.EditText;
20 import android.widget.Spinner;
21 import android.widget.TextView;
22 import edu.seaaddicts.brockbutler.R;
23 import edu.seaaddicts.brockbutler.coursemanager.Course;
24 import edu.seaaddicts.brockbutler.coursemanager.CourseHandler;
25
26 public class ModifyTaskActivity extends Activity {
27     private static final String TAG = "ModifyTaskActivity";
28     private static final int DATE_DIALOG_ID = 0;
29
30     private Button mDueDateButton;
31     private Button mSaveButton;
32     private Button mCancelButton;
33
34     private ArrayList<Course> mRegCourses;
35     private TextView mDueDateTextView;
36
37     private EditText mTaskTitle;
38     private EditText mTaskWeight;
39     private EditText mTaskBase;
40     private EditText mTaskMark;
41
42     private Spinner mCourseSpinner;
43     private Spinner mPrioritySpinner;
44
45     private CourseHandler mCourseHandle = null;
46
47     private int mYear;
48     private int mMonth;
49     private int mDay;
50     private int mAssign;
51     private int mIsDone;
52
53     @Override
54     protected void onCreate(Bundle savedInstanceState) {
55         super.onCreate(savedInstanceState);
56         setContentView(R.layout.activity_add_task);
57         this.getWindow().setSoftInputMode(WindowManager.LayoutParams.
58             SOFT_INPUT_STATE_ALWAYS_HIDDEN);
59         init();
60     }
61
62     /*
63     * Initialize all views and sets Button OnClickListener.
64     */
65     private void init() {
66         Bundle bundle = this getIntent().getExtras();
67         mAssign = bundle.getInt("assign");
68         mIsDone = bundle.getInt("is_done");
69         /*
70         * CourseHandler
71         */
72     }
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71     mCourseHandle = new CourseHandler(this);
72
73     /*
74     * Buttons
75     */
76     mDueDateButton = (Button) findViewById(R.id.add_task_due_date_button);
77     mSaveButton = (Button) findViewById(R.id.add_task_save_button);
78     mCancelButton = (Button) findViewById(R.id.add_task_cancel_button);
79
80     /*
81     * TextViews
82     */
83     mDueDateTextView = (TextView) findViewById(R.id.add_task_date_textview);
84
85     /*
86     * Spinners
87     */
88     mPrioritySpinner = (Spinner) findViewById(R.id.add_task_priority_spinner);
89     mPrioritySpinner.setSelection(bundle.getInt("priority"));
90     mCourseSpinner = (Spinner) findViewById(R.id.add_task_course_spinner);
91
92     /*
93     * EditTexts
94     */
95     mTaskTitle = (EditText) findViewById(R.id.add_task_title);
96     mTaskTitle.setText(bundle.getString("title"));
97     mTaskWeight = (EditText) findViewById(R.id.task_weight);
98     mTaskWeight.setText(bundle.getFloat("weight")+"");
99     mTaskBase = (EditText) findViewById(R.id.task_base);
100    mTaskBase.setText(bundle.getFloat("base")+"");
101    mTaskMark = (EditText) findViewById(R.id.task_mark);
102    mTaskMark.setText(bundle.getFloat("mark")+"");
103
104    mRegCourses = mCourseHandle.getRegisteredCourses();
105    ArrayList<String> cs = new ArrayList<String>();
106
107    /*
108    * ArrayList of Course Strings in format: SUBJECT CODE
109    */
110    String course = bundle.getString("course");
111    int pos = 0;
112    for (int i = 0; i < mRegCourses.size(); i++) {
113        String c = mRegCourses.get(i).mSubject + " " + mRegCourses.get(i).mCode;
114        cs.add(c);
115        if (c.equals(course))
116            pos = i;
117    }
118
119    /*
120    * Set the course Spinner
121    */
122    mCourseSpinner.setAdapter(new ArrayAdapter<String>(this,
123        android.R.layout.simple_spinner_dropdown_item, cs));
124
125    mCourseSpinner.setSelection(pos);
126
127    /*
128    * DatePicker stuff.
129    */
130    mYear = bundle.getInt("year");
131    mMonth = bundle.getInt("month");
132    mDay = bundle.getInt("day");
133
134    /*
135    * OnClickListeners
136    */
137
138    // Deprecated but easier than alternative.
139    mDueDateButton.setOnClickListener(new OnClickListener() {
140        @SuppressWarnings("deprecation")
141        public void onClick(View v) {

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142         showDialog(DATE_DIALOG_ID);
143     }
144 });
145
146 mSaveButton.setOnClickListener(new OnClickListener() {
147     public void onClick(View v) {
148         Task t = new Task();
149         t.mAssign = mAssign;
150         t.mIsDone = mIsDone;
151         t.mSubj = mRegCourses.get(mCourseSpinner
152             .getSelectedItemPosition()).mSubject;
153         t.mCode = mRegCourses.get(mCourseSpinner
154             .getSelectedItemPosition()).mCode;
155         t.mName = mTaskTitle.getText().toString();
156         // Lower == higher priority
157         t.mPriority = mPrioritySpinner.getSelectedItemPosition();
158         t.mDueDate = mDueDateTextView.getText().toString();
159
160         try {
161             t.mWeight = Float.parseFloat(mTaskWeight.getText().toString());
162             t.mBase = Float.parseFloat(mTaskBase.getText().toString());
163             t.mMark = Float.parseFloat(mTaskMark.getText().toString());
164         } catch (NumberFormatException e) {
165             Log.e(TAG, "It is OK, we just had a blank field when parsing a float.");
166         }
167
168         // Get current date
169         SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd", Locale.
170             CANADA);
171         Date date = new Date();
172         t.mCreationDate = dateFormat.format(date);
173         mCourseHandle.addTask(t);
174         onBackPressed();
175     }
176 });
177
178 mCancelButton.setOnClickListener(new OnClickListener() {
179     public void onClick(View v) {
180         // Do nothing.
181         onBackPressed();
182     }
183 });
184
185 setDueDateText();
186 }
187
188 /**
189  * (non-Javadoc)
190  * @see android.app.Activity#onCreateDialog(int)
191  *
192  * Overridden method to handle multiple dialogs that may be created
193  * from this activity.
194  */
195 @Override
196 protected Dialog onCreateDialog(int id) {
197     switch (id) {
198         case DATE_DIALOG_ID:
199             return new DatePickerDialog(this, mDatePickerListener, mYear,
200                 mMonth, mDay);
201     }
202     return null;
203 }
204
205 /**
206  * Retrieves date set from DatePickerDialog and sets TextView in this
207  * activity.
208  */
209 private DatePickerDialog.OnDateSetListener mDatePickerListener = new
210     DatePickerDialog.OnDateSetListener() {

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```
211     public void onDateSet(DatePicker view, int selectedYear,
212         int selectedMonth, int selectedDay) {
213         mYear = selectedYear;
214         mMonth = selectedMonth + 1; // Since index starts at 0 and there is
215             // no 0th month.
216         mDay = selectedDay;
217         setDueDateText();
218     }
219 }
220 };
221
222 private void setDueDateText(){
223     // Set TextView in this activity.
224     if (mMonth < 10) {
225         if (mDay < 10) {
226             mDueDateTextView.setText(new StringBuilder().append(mYear)
227                 .append("/").append(0).append(mMonth).append("/")
228                 .append(0).append(mDay));
229         } else
230             mDueDateTextView.setText(new StringBuilder().append(mYear)
231                 .append("/").append(0).append(mMonth).append("/")
232                 .append(mDay));
233     } else if (mMonth > 9) {
234         if (mDay < 10) {
235             mDueDateTextView.setText(new StringBuilder().append(mYear)
236                 .append("/").append(mMonth).append("/").append(0)
237                 .append(mDay));
238         } else
239             mDueDateTextView.setText(new StringBuilder().append(mYear)
240                 .append("/").append(mMonth).append("/")
241                 .append(mDay));
242     }
243 }
244 }
245
```