```
/****
 *
 * Implementation of delete-card-dialog.h.
 *
 */

#include "delete-card-dialog.h"
#include "label.h"
#include "rolodex-menu-ui.h"
#include "std-macros.h"
#include <InterViews/box.h>
#include <InterViews/button.h>
#include <InterViews/frame.h>
#include <InterViews/glue.h>
#include <InterViews/streditor.h>
#include <stdlib.h>


DeleteCardDialog::DeleteCardDialog(Rolodex* r, RolodexMenuUI* rmui) :
        View(NULL, r) {
    okdb = new OKDeleteButton(r, this, rmui);
    cdb = new CancelDeleteButton(rmui);
}

DeleteCardDialog::~DeleteCardDialog() {
}

void DeleteCardDialog::Compose() {
    /*
     * Make the window of this a VBox.
     */
    w = new VBox();
    ((VBox*) w)->Align(Center);

    /*
     * Stick some stretchable glue spacing above the prompting message.
     */
    ((VBox*) w)->Insert(new VGlue(round(0.20 * inch), 0, round(0.50 * inch)));

    /*
     * Insert the prompting message into the top of the vbox.  The prompting
     * message itself is in an hbox with some glue on each side.  This glue
     * will enable horizontal stretching of the message, which stretchability
     * will transfer out to the entire scene that the message is in.
     */
    ((VBox*) w)->Insert(new Label(
        "Enter Id of Card to Delete:",
            "times", "bold", "r", 18));

    /*
     * Stick some stretchable glue spacing between the message and the field
     * editors below.
     */
    ((VBox*) w)->Insert(new VGlue(round(0.20 * inch), 0, round(0.50 * inch)));

    /*
     * Insert the string editor to enter the card id.  The subsequent call to
     * Message("") clears the blank chars out after the editor is built and
     * sized.  In this way, the editor properly sized and initially empty when
     * user frist types in it.
     */
    ((VBox*) w)->Insert(new ShadowFrame(seid =
        new StringEditor(bs, "                         ")));
    seid->Message("");

    /*
     * Compose the OK and Cancel dialog buttons and insert into the window.
     */
    ComposeButtons();
}

void DeleteCardDialog::ComposeButtons() {
    /*
     * Make an HBox to hold the buttons
     */
    hb = new HBox();

    /*
     * Enter the buttons into the box, delimited with glue.
     */
    hb->Insert(new HGlue(round(0.2 * inch), hfil, hfil));
    hb->Insert(okdb);
    hb->Insert(new HGlue(round(0.2 * inch), hfil, hfil));
    hb->Insert(cdb);
    hb->Insert(new HGlue(round(0.2 * inch), hfil, hfil));

    /*
     * Put the hbox into the window, with some glue.
     */
    ((VBox*)w)->Insert(new VGlue(round(0.2 * inch), 0, vfil));
    ((VBox*)w)->Insert(hb);
    ((VBox*)w)->Insert(new VGlue(round(0.2 * inch), 0, vfil));
}

String* DeleteCardDialog::GetId() {
    return new String(seid->Text());
}

OKDeleteButton::OKDeleteButton(Rolodex* r, DeleteCardDialog* dcd,
    RolodexMenuUI* rmui) :
        PushButton("OK", new ButtonState(), true) {
                // ^^^   ^^^^^^^^^^^^^^^^^  ^^^^ Default starting state; since
                // ^^^   ^^^^^^^^^^^^^^^^^  ^^^^ we will not use ButtonStates,
                // ^^^   ^^^^^^^^^^^^^^^^^  ^^^^ our starting state is always
                // ^^^   ^^^^^^^^^^^^^^^^^  ^^^^ true
                // ^^^   ^^^^^^^^^^^^^^^^^
                // ^^^   ^^^^^^^^^^^^^^^^^ Dummy value for the ButtonState of
                // ^^^   ^^^^^^^^^^^^^^^^^ this button.  We will not normally
                // ^^^   ^^^^^^^^^^^^^^^^^ use ButtonState objects
                // ^^^
                // ^^^ Text label inside button

```

```
113     this->r = r;
114     this->dcd = dcd;
115     this->rmui = rmui;
116 }
117 
118 void OKDeleteButton::Press() {
119     DeleteInputError* die;
120 
121 #ifndef OLD_EXCEPTION_HANDLING
122     try {
123 #else
124     if (not (die = (DeleteInputError*) catch(DeleteInputErrorException))) {
125 #endif
126         r->Delete(atoi(dcd->GetId()->ConstConvert()));
127     }
128 #ifndef OLD_EXCEPTION_HANDLING
129     catch (DeleteInputError* die) {
130 #else
131     else {
132 #endif
133         rmui->ShowErrorDialog(die->GetNotThereErrorMessage());
134     }
135 }
136 
137 CancelDeleteButton::CancelDeleteButton(RolodexMenuUI* rmui) :
138         PushButton("Cancel", new ButtonState(), true) {
139     this->rmui = rmui;
140 }
141 
142 void CancelDeleteButton::Press() {
143     rmui->ShowEmptyDialog();
144 }
```