


```

112     /*
113      * Use the standard menu item pattern for the item.
114      */
115     menu.add(new JMenuItem("New")).addActionListener(
116         new ActionListener() {
117             public void actionPerformed(ActionEvent e) {
118                 /*
119                  * Call the stubbed-out model method.
120                  */
121                 file.fileNew();
122             }
123         });
124     );
125 }
126 /**
127 * Add the 'Open ...' menu item. Its action listener invokes the File.open
128 * method. See the description of the <a href= FileMenu.html#addNewItem>
129 * <code>addNewItem</code> method for further info.
130 */
131 protected void addOpenItem() {
132
133     final JMenuItem item;           // Used by JFileChooser for placement
134
135     menu.add(
136         item = new JMenuItem("Open ...").addActionListener(
137             new ActionListener() {
138                 public void actionPerformed(ActionEvent e) {
139                     JFileChooser chooser = new JFileChooser();
140                     java.io.File f;
141                     chooser.showOpenDialog(item);
142                     if ((f = chooser.getSelectedFile()) != null) {
143                         file.open(f.getName());
144                     }
145                 }
146             });
147     );
148 }
149 */
150 /**
151 * Add the 'Close' menu item. Its action listener invokes the File.close
152 * method. See the description of the <a href= FileMenu.html#addNewItem>
153 * <code>addNewItem</code> method for further info.
154 */
155 protected void addCloseItem() {
156     menu.add(new JMenuItem("Close")).addActionListener(
157         new ActionListener() {
158             public void actionPerformed(ActionEvent e) {
159                 file.close();
160             }
161         });
162     );
163 }
164 */
165 /**
166 * Add the 'Close All' menu item. Its action listener invokes the
167
168     * File.closeAll method. See the description of the <a href=
169     * FileMenu.html#addNewItem> <code>addNewItem</code> method for further info.
170     */
171 protected void addCloseAllItem() {
172     menu.add(new JMenuItem("Close All")).addActionListener(
173         new ActionListener() {
174             public void actionPerformed(ActionEvent e) {
175                 file.closeAll();
176             }
177         });
178     );
179 }
180 */
181 /**
182 * Add the 'Save' menu item. Its action listener invokes the File.save
183 * method. See the description of the <a href= FileMenu.html#addNewItem>
184 * <code>addNewItem</code> method for further info.
185 */
186 protected void addSaveItem() {
187     menu.add(new JMenuItem("Save")).addActionListener(
188         new ActionListener() {
189             public void actionPerformed(ActionEvent e) {
190                 file.save();
191             }
192         });
193     );
194 }
195 */
196 /**
197 * Add the 'Save As ...' menu item. Its action listener displays a file
198 * chooser to select the file on which to save, then invokes the
199 * File.saveAs method. See the description of the <a href=
200 * FileMenu.html#addNewItem> <code>addNewItem</code> method for further info.
201 */
202 protected void addSaveAsItem() {
203     final JMenuItem item;           // Used by JFileChooser for placement
204
205     menu.add(
206         item = new JMenuItem("Save As ...").addActionListener(
207             new ActionListener() {
208                 public void actionPerformed(ActionEvent e) {
209                     (new JFileChooser()).showSaveDialog(item);
210                     file.saveAs(null);
211                 }
212             });
213     );
214 }
215 */
216 /**
217 * Add the 'Save All' menu item. Its action listener invokes the
218 * File.saveAll method. See the description of the <a href=
219 * FileMenu.html#addNewItem> <code>addNewItem</code> method for further info.
220 */
221 protected void addSaveAllItem() {
222     menu.add(new JMenuItem("Save All")).addActionListener(
223         new ActionListener() {

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224     public void actionPerformed(ActionEvent e) {
225         file.saveAll();
226     }
227 }
228 );
229 }
230 /**
231 * Add the 'Load Settings' menu item. Its action listener displays a load
232 * settings dialog, from which the File.loadSettings method is invoked.
233 * See the description of the <a href= FileMenu.html#addNewItem> addNewItem
234 * </a> method for further info.
235 */
236 protected void addLoadSettingsItem() {
237     final JMenuItem item; // Used by JFileChooser for placement
238
239     menu.add(
240         item = new JMenuItem("Load Settings ...")).addActionListener(
241             new ActionListener() {
242                 public void actionPerformed(ActionEvent e) {
243                     /*
244                     * For the stubbed design, just display a quickie dialog
245                     * that will be refined later.
246                     */
247                     JOptionPane.showInputDialog("... Load Settings stuff goes here 304");
248                 }
249             }
250         );
251     );
252 }
253 /**
254 * Add the 'Load Settings' menu item. Its action listener displays a save
255 * settings dialog, from which the File.saveSettings method is invoked.
256 * <a href= FileMenu.html#addNewItem> addNewItem </a> method for further info.
257 */
258 protected void addSaveSettingsItem() {
259     final JMenuItem item; // Used by JFileChooser for placement
260
261     menu.add(
262         item = new JMenuItem("Save Settings ...")).addActionListener(
263             new ActionListener() {
264                 public void actionPerformed(ActionEvent e) {
265                     /*
266                     * For the stubbed design, just display a quickie dialog
267                     * that will be refined later.
268                     */
269                     JOptionPane.showInputDialog("... Save Settings stuff goes here 326");
270                 }
271             }
272         );
273     );
274 }
275 /**
276 * Add the 'Page Setup ...' menu item. Its action listener displays a Page
277 * Setup dialog, from which the File.pageSetup method is invoked. See the
278 * description of the <a href= FileMenu.html#addNewItem> addNewItem </a>
279 */

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280     * method for further info.
281     */
282     protected void addPageSetupItem() {
283         final JMenuItem item; // Used by JFileChooser for placement
284
285         menu.add(new JMenuItem("Page Setup ...")).addActionListener(
286             new ActionListener() {
287                 public void actionPerformed(ActionEvent e) {
288                     /*
289                     * For the stubbed design, just display a quickie dialog
290                     * that will be refined later.
291                     */
292                     JOptionPane.showInputDialog("... Page Setup stuff goes here ...");
293                 }
294             }
295         );
296     }
297 /**
298 * Add the 'Print ...' menu item. Its action listener invokes the
299 * File.print method. See the description of the <a href=
300 * FileMenu.html#addNewItem> addNewItem </a> method for further info.
301 */
302 protected void addPrintItem() {
303     final JMenuItem item; // Used by JFileChooser for placement
304
305     menu.add(new JMenuItem("Print ...")).addActionListener(
306         new ActionListener() {
307             public void actionPerformed(ActionEvent e) {
308                 /*
309                 * For the stubbed design, just display a quickie dialog
310                 * that will be refined later.
311                 */
312                 JOptionPane.showInputDialog("Choose a printer: ");
313                 file.print(null);
314             }
315         }
316     );
317 }
318 /**
319 * Add the 'Exit' menu item. Its action listener invokes the File.exit
320 * method. See the description of the <a href= FileMenu.html#addNewItem>
321 * addNewItem </a> method for further info.
322 */
323 protected void addExitItem() {
324     menu.add(new JMenuItem("Exit")).addActionListener(
325         new ActionListener() {
326             public void actionPerformed(ActionEvent e) {
327                 file.exit();
328             }
329         }
330     );
331 }
332 */
333 }
334 */
335 
```

```
336  /**
337   * Add menu items to perform any system tests that may be useful during
338   * development. This submenu goes away in the production version of the
339   * system.
340   */
341  protected void addSystemTestItems() {
342      JMenu menu = new JMenu("System Tests");
343      menu.add(menu);
344
345      /*
346       * Add the 'Dump User Cal' menu item.
347       */
348      menu.add(new JMenuItem("Dump User Cal")).addActionListener(
349          new ActionListener() {
350              public void actionPerformed(ActionEvent ev) {
351                  file.dumpUserCal();
352              }
353          }
354      );
355  }
356
357 }
358
359
360 /**
361  * Data fields
362  */
363
364 /** Local reference to super.model for convenience to avoid casting
365  * everywhere; i.e., file is set equal to (File)super.model once in the
366  * constructor.
367  */
368 File file;
369
370 /** Local reference to (JMenu)super.widget for convenience to avoid
371  * casting; i.e., menu is set equal to (File)super.widget once in the
372  * constructor. */
373 JMenu menu;
374
375 }
```