1) Gremlin generates a seq of random # Input events, and the user can choose logging options for the result and seq of events stored before. Simulator has a browser for the database.

2) a) sys App Launch Cmd   Add Record
   b)   "   "   Normal Launch
   c)   "   "   Find
   The function will be called is PilotMain

3

- Compile Source Code

> m68k-palmos-gcc   -c   file.c -o file.O

> m68k-palmos-gcc   -o   file *.O

- Mak resources

> m68k-palos-obj-res   file

- Make recources file (.rcp) into palm form
  and program resources,

> pitrc   file.rcp

> build-prc   *.bin

4.
① Start POSE , install .prc
② Start GDB using
   > m68k-palmos-gdb   file
→ <gdb> target pilot localhost: 2000

③ Launch APP

④ > break   App name   ← Set break point

others : ⊗ Continue , step, list , print , next

(6) ALERT ID 2001
INFORMATION
BEGIN
        TITLE   "OUCH"
        MESSAGE   "Don't tap me so hard, ^1"
        BUTTONS   ~~OK~~ "Okay"

    END

---

(5)

ErrNonFatalDisplayIf(bob > 20, "bob is too big");

---

(6)

```
<?XML version="1.0"  encoding="utf-8"  standalone="ges"
                                                    ?>

<PALMOS_RESOURCE_FILE>
    <ALERT_RESOURCE  RESOURCE_ID="1000">
        <ALERT_TYPE>  INFORMATION_ALERT </ALERT_
                                              TYPE>

        <HELP_ID> 0  </HELP_ID>
        <DEFAULT_BUTTON>  0 </DEFAULT_BUTTON>
        <TITLE> "OUCH" </TITLE>
        <MESSAGE> "~~Sample~~ Don't tap me so hard "
        <BUTTONS>                        </MESSAGE>
                <TEXT> "ok" </TEXT>
        </BUTTONS>
    </ALERT_RESOURCE>
```

```
8)    MENU  ID  MyMenuBar
      BEGIN

          PULLDOWN    "Options"
          BEGIN

              MENUITEM    "Help"  ID  1000    "H"
              MENUITEM    "Exit"  ID  1001    "E"

          END
          PULLDOWN    "About"
          BEGIN

              MENUITEM    "Company Info"    ID  1002  "C"
              MENUITEM    "Jobs"            ID  1003  "J"

          END
      END


7)    FORM  ID  MyForm  AT ( 0   0   160   160   )
      MODAL
      BEGIN
          TITLE   "MyTitle"
          LABEL   "This is my first label"  AT ( 0   0   AUTO AUTO)
          LABEL   "This is my second label" AT ( 0   0   AUTO AUTO)
      END
```

⑨ Say you have a variable tappedButton

Code:

```
    tappedButton = FrmAlert (MyAlert ID)
    switch (FrmAlert (MyAlert (MyAlert ID)
    {    case 0 : // do something
            break;
    case 1 : // do something
        break;
    default:
        // error
    3
```

10) initilize the form w/ FrmInitForm
  - set form's control w/ FrmSetControlValue
  - display form w/ FrmDoDialog
  - retrieve the value of the dialog box's controls
    using FrmGetControlValue

{ - remove the form from memory w/ FrmDeleteForm

```
UInt16 ctlIndex, buttonHit;
FormType * form;
Bpolean archive;
form = FrmInitForm (DeleteBookDialog);
ctlIndex = FrmGetObjectIndex (form, DeleteBookSaveBackup);
FrmSetControlValue (form, ctlIndex, gSaveBackup)
buttonHit = FrmDoDialog (form);
archive = FrmGetControlValue (form, ctlIndex);
FrmDeleteForm (form);
if (buttonHit == DeleteBookCancel)
      return false;
gSaveBackup = archive;
return true;
}
```