

Text-only version

Next

```

19         vbox.pack_start(self.entry, False)
20         self.button = gtk.Button("Start")
21         vbox.add(self.button)
22         self.button.connect("clicked", self.start_stop)
23         window.show_all()
24
25         self.player = gst.Pipeline("player")
26         source = gst.element_factory_make("filesrc", "file-source")
27         demuxer = gst.element_factory_make("oggdemux", "demuxer")
28         demuxer.connect("pad-added", self.demuxer_callback)
29         self.audio_decoder = gst.element_factory_make("vorbisdec", "vorbis-decoder")
30         audioconv = gst.element_factory_make("audioconvert", "converter")
31         audiosink = gst.element_factory_make("autoaudiosink", "audio-output")
32
33         self.player.add(source, demuxer, self.audio_decoder, audioconv, audiosink)
34         gst.element_link_many(source, demuxer)
35         gst.element_link_many(self.audio_decoder, audioconv, audiosink)
36
37         bus = self.player.get_bus()
38         bus.add_signal_watch()
39         bus.connect("message", self.on_message)
40
41     def start_stop(self, w):
42         if self.button.get_label() == "Start":
43             filepath = self.entry.get_text()
44             if os.path.isfile(filepath):
45                 self.button.set_label("Stop")
46                 self.player.get_by_name("file-source").set_property("location", filepath)
47                 self.player.set_state(gst.STATE_PLAYING)
48             else:
49                 self.player.set_state(gst.STATE_NULL)
50                 self.button.set_label("Start")
51
52     def on_message(self, bus, message):
53         t = message.type
54         if t == gst.MESSAGE_EOS:
55             self.player.set_state(gst.STATE_NULL)
56             self.button.set_label("Start")
57         elif t == gst.MESSAGE_ERROR:
58             err, debug = message.parse_error()
59             print "Error: %s" % err, debug
60             self.player.set_state(gst.STATE_NULL)
61             self.button.set_label("Start")
62
63     def demuxer_callback(self, demuxer, pad):
64         addec_pad = self.audio_decoder.get_pad("sink")
65         pad.link(addec_pad)
66
67 GTK_Main()
68 gtk.gdk.threads_init()
69 gtk.main()

```

Now after reading through these four chapters you could need a break. Happy hacking and stay tuned for more interesting chapters to come.

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