Programming
Handheld Systems

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User Notification
Today’s Topics

Toast

Notification Area Notifications
User Notifications

Messages provided to the user outside of the normal UI
User Notifications

These include messages aimed at User feedback

Toasts

Dialogs

Event notification

Notification Area notifications
Toast

Transitory messages that pop up on the current window

E.g., to inform user that an operation has completed successfully

Automatically fade into & out of view

No user interaction or response
Creating Toast Notifications

Instantiate a Toast object by calling

    Toast.makeText(context, text, duration)

Show toast by calling

    Toast.show()
Toast with Custom Views

Can create custom layouts in XML
Set them using Toast.setView()
Notification Area Notifications

Android provides the notification area for alerting users about events. It also provides a notification drawer that users can pull down to see more detailed information about notifications.
Notification Architecture

Notification
- Title, detail, small icon

Notification Area
- Ticker text, small icon

Notification Drawer
- View
- Action
Notification Manager

System service that manages notifications
send & cancel notification
Next Time

The BroadcastReceiver Class