eclipseCON™ 2008

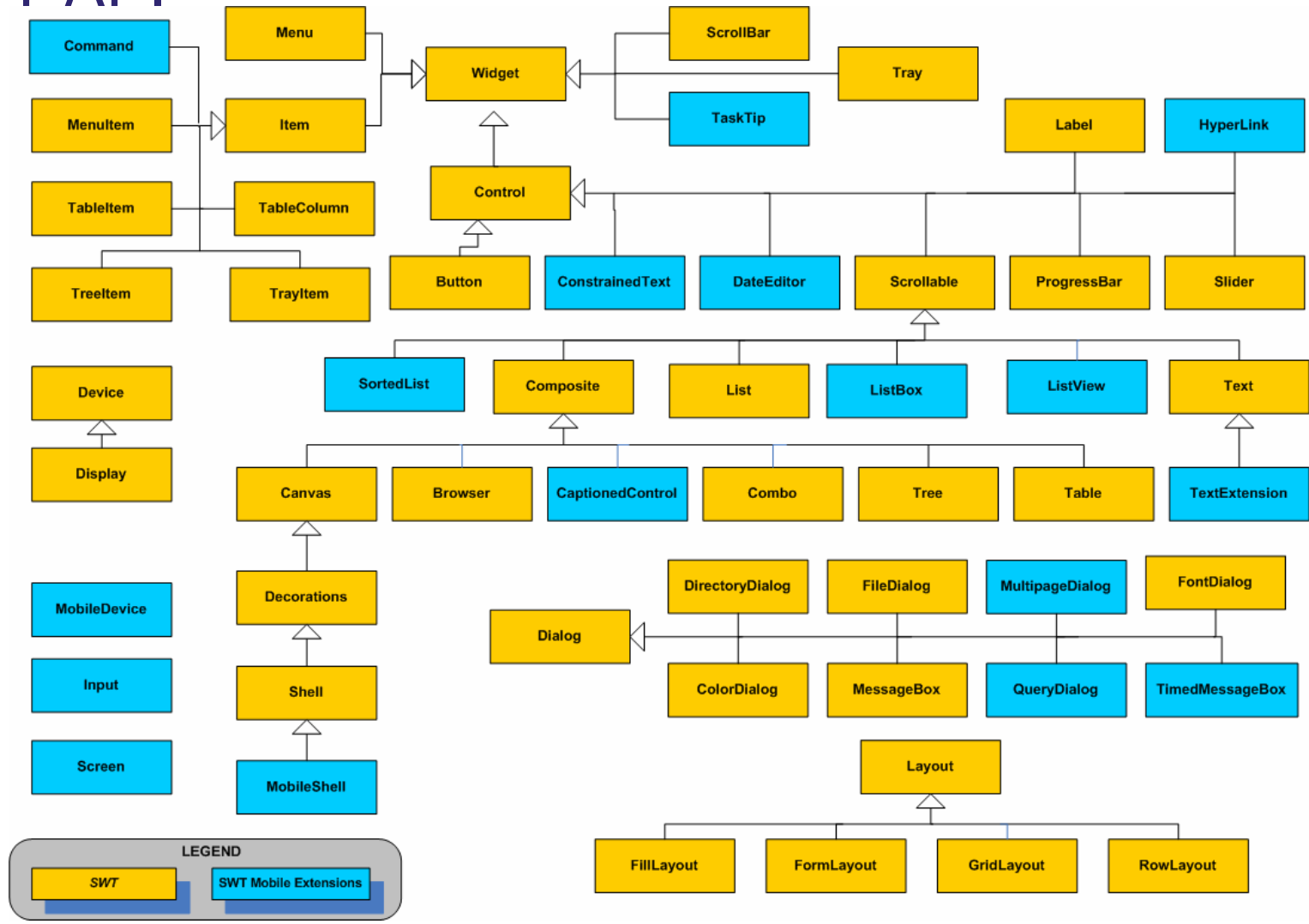# eRCP Project, today and tomorrow

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# What is eRCP

- eRCP is the embedded version of the Rich Client Platform
- Project was launched by Nokia, IBM and Motorola
- Utilizes standard OSGi Service Platform
- Reduces RCP size and functionality to fit on devices
- Pushes requirements/patches back to core components
  - Enable running core components on JME CDC/Foundation Profile
  - Keep dependencies in check
- Adds components to enable application binary compatibility across a range of devices

# What is eSWT

- Subset of SWT and additional mobile specific widgets
- Provides efficient, portable access to the user interface facilities of the operating system
- Consists of 3 packages
  - ◆ SWT subset divided into two
    - *core* package
    - *expanded* package
  - ◆ *mobile* package - new eSWT components defined for mobile world

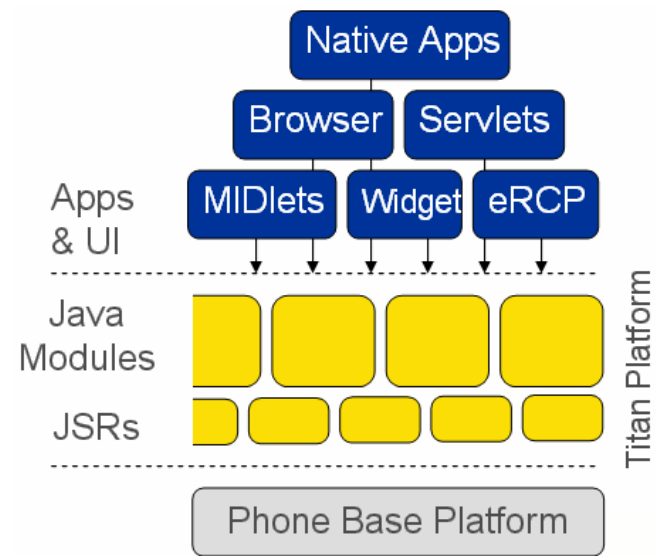# eSWT API

# How does SWT widgets look on a device

# Industry News: eSWT with Java ME Midlets



- Java ME MIDP is the most common computing platform
  - ◆ 700+ million java enabled phones
  - ◆ 635+ java enabled phone models from 35+ vendors
- Available on **all** Nokia S60 3rd Ed. FP2 devices
- Alternate UI toolkit for Java ME applications

# Industry News: Sprint Titan

- New Java/OSGi based service platform for phone apps
- Multiple app model support
  (MIDP2, eRCP, Bundles, Web Apps)
- Full remote management
  support via OMA-DM/DL
- Advanced security model

- **Toolchain** offered by ADP

# What is Next

- eRCP 1.2 is due this summer
  - ◆ Following eclipse 3.4 release
  - ◆ New APIs in eSWT
- eRCP move to new runtime top level project
- Excited about p2 and e4
  - ◆ Seeking ways to integrate p2
  - ◆ Participate on e4 work

# Conclusion

- eRCP brings the RCP paradigm to mobile devices
- Website
  - http://www.eclipse.org/ercp
- Newsgroups
  - news://news.eclipse.org/eclipse.dsdp.ercp
- Always looking for contributors!