Mobile Client Devices and Pervasive Computing

Lesson 01

Mobile Beyond Desktop

Hand-held computing devices

- Many manifestations
- Smartphone
- Hand-held computing devices such as tablets

Hand-held computing devices

- Programmed for customized applications
- Variety of application and programming tools

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A typical advanced smartphone features

1. Support for WLAN and cloud
2. One-click connection to the Internet
3. Native support for push-to-talk
4. Web 2.0 brings the power of Twitter, Facebook, and Skype

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FEATURES

5. Provides e-mail and Internet connectivity
6. Even click pictures and prepare albums
7. Includes a personal information manager (PIM)
8. A handheld computer, and an entertainment device

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Features

9. Optimizing high-speed performance

10. Voice over Internet protocol (VoIP) call or video feed

11. Multi-touch capacitive display senses the finger touches, multiple touches, dragging, swiping, rolling down or up, tapping, pinching, flicking, or twisting.

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FEATURES

12. Advanced gesture-based Uis

13. Commands to run applications and control the games.

14. Support for video streaming

15. Graphics support including support for 3D rendering

Features

16. Multiple e-mail accounts and remote source feeds such as weather forecasts

17. The OS enables writing applications using Java, Python, Adobe flash, and Silverlight

18. Multi-language support to serve a larger range of consumers

Summary

- SmartPhone

- Apple iPhone…

End of Lesson 01

Mobile Beyond Desktop