

Overview Why Mobile? Mobile Devices - Operating systems - Mobile Technologies - Motorola v3x Mobile Programming - WAP/HTML - J2ME - Native Development Mobile Applications - Location/Context Aware - Ambient Communications - Media Consumption - Games	
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<section-header> World becoming mobile Need for information on the go Access to rich context (e.g. location, contact list, etc.) Mobile devices are becoming people's: Cameras MP3 Players E-Mail apps Web browsers Rich networked computer always with you In developing world, often the only computer people have access to











WAP/HTML

Phone has full HTML browser so you can just make a "standard" web application

Pros:

- Most commonly programmed in java servlets, perl, etc.
- Requires no special software on the phone/less complicated development
- Can debug logic (not layout) on a desktop web browser

Cons:

- Cannot interact with phone functionality (e.g. take a picture, send something to another phone over bluetooth, get location, etc.)

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- UI very limited by HTML spec compared to native programming

J2ME

Java Programming on mobile devices

Subset of the Java language

Develop stand alone applications in java, installed onto the phone

Pros:

- Can develop and emulate on any Windows box
- Can make rich user interfaces
- Can interface to most phone functionality

Cons:

- Must sign applications to get all useful APIs
- Applications suspended when interacting with other phone functionality















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