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Mobile Apps Development

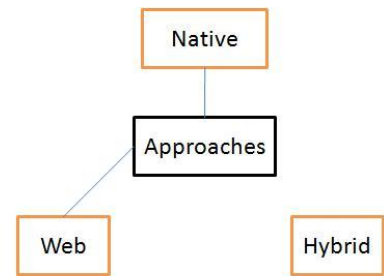**APP Development Approaches:**

Three broad approaches:

Figure: Mobile App Development Approaches

1. Native

2. Web

3. Hybrid

(1) Native Approach:

- native app,

- developed for native platform using platform specific APIs

- distributed through online app stores

- preferred when app requires a native look and feel

(2) Web Approach:

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- mobile web app,

- developed using web technologies such as HTML5, CSS3, and JavaScript

- not installed on mobile device, gets rendered in an mobile browser, over the network

- preferred when app requires to cater to diverse devices using a single codebase

- no native L&F and no high-end device capabilities

☐ Hybrid Approach:

  o mixed approach (features of native + web approaches)

  o developed using mobile cross platforms

  o hybrid platforms do not power device

  o facilitate multiplatform development

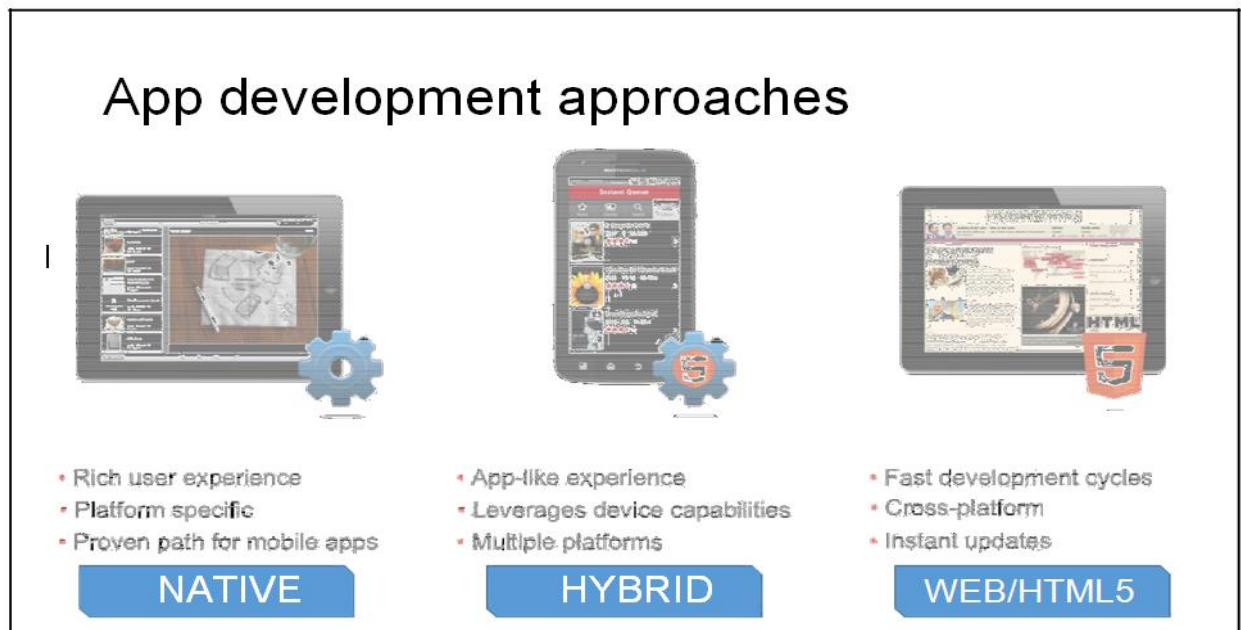19CSB303 and Composing Mobile Apps   Mrs.P.Subhashree/AP/CSE
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o same codebase of a mobile app translated to fit into any of the

supported native platforms

App development approaches

NATIVE
- Rich user experience
- Platform specific
- Proven path for mobile apps

HYBRID
- App-like experience
- Leverages device capabilities
- Multiple platforms

WEB/HTML5
- Fast development cycles
- Cross-platform
- Instant updates

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