

HMT - MODULE 5 - CHAPTER 5 INTERFACE DESIGN FOR MOBILE DEVICES		Mobile Information Architecture		Mobile Design			
<b>Mobile Ecosystem</b> - group of devices, platform software (application or system), companies, & the united set of service offered by a mobile device company including device hardware OS, app store & user account. - mobile platform that changed mobile industry: Android, iOS, Windows phone & Blackberry.		<b>Widgets</b> - Information Widgets - Collection Widgets - Control Widgets - Hybrid Widgets <b>Points to remember while designing a widget</b> - Focus on the main & imp information of the widget - Select correct widget type - Different sizes should be planned <b>Mobile web widgets</b> <b>Pros</b> - Easy to create using HTML, CSS, JS - Simple to deploy - offer improved user experience & rich UI <b>Cons</b> - Require compatible widget platform to be installed on the device - Cannot run in any mobile web browser - Require learning additional proprietary, non web standard technique <b>Games</b> - Native app based on similar SDK platform to create rich gaming experience <b>Pros</b> - Simple to use & provide rich & additional experience - Easy portability to multiple devices <b>Cons</b> - costly to develop - Difficult to port it to mobile web		<b>Building blocks of Information Architecture</b> - Information Architecture - Interaction Design - Information Design - Navigation Design - Interface Design <b>Characteristics of mobile Information Architecture</b> - Keeping it simple - Site Maps - Clickstreams - Wireframes - Prototyping <b>Mobile information architecture patterns</b> - Hierarchy - Hub & spoke - Settled doll <b>Top 6 Mobile Info architecture patterns</b> - Tabbed View - Dashboard - Selected View <b>Points to remember while designing a good mobile information architecture</b> - Defining the product goal - Create the inventory on the content - Planning the navigation system - Simplify the design - Research & feedback - Constantly review the IA <b>Mobile 2.0</b> - Derived from web 2.0		<b>Elements of mobile design</b> - Context - Content - Navigation - Layout - Color - Graphics <b>Do's</b> - Research before designing - Prioritize Features - Provide backup to customer feedback - Clear and concise navigation <b>Don't's</b> - Don't forget your target - Don't use jargon - Don't limit the interaction - Don't make the customer wait for the web <b>Mobile Design Tools</b> - Adobe Photoshop - Sketch - InVision - Avocode	
<b>Types of mobile applications</b> 1) Native App - windows phone → .NET - iOS → Objective C / Swift - Android → JAVA 2) Web App 3) Hybrid App - combination of Native & Web App - made with HTML, JS, CSS		<b>Native</b> Cost: Highest Cost Code Reusability: Only work for one platform Device Access: SDK gives access to all device API UI Consistency: Familiar & original UI component Distribution: App Store provides Mkt benefits but also have requirements and restriction Performance: has direct access to platform functionality ⇒ better performance Monetization: more opportunities but store takes a percentage ⇒ Same		<b>Hybrid</b> Similar to web cost works for multiple platforms Many device APIs closed to web app can be accessed depending on tools Native look ⇒ Same		<b>Web</b> lowest cost Browser compatibility & Performance are the only concerns only few device API can be accessed Native look No restriction to launch but no app store benefit Performance based on browser & network connection No store commission or setup cost but there are few monetization methods	