React Native

1. What is react native
   1. An open source, cross platform framework for building native mobile application using JS and react
2. Why use it?
   1. Everybody knows JS
   2. Hot reloading
   3. UI component
3. Native App Architecture
   1. Mobile OS
   2. Developer SDK, standard Lib
   3. 3rd party Lib
   4. App
4. How does it work
   1. Built on the concepts of react web framework
      1. Altered to work for mobile app development
      2. JS framework
   2. Need to learn about 4 major concepts
      1. Component
         1. Responsible for functionality
      2. JSX
         1. Extension where XML – like code can be utilized inside of a react enabled JS function
      3. State
         1. Used when data must be changed dynamically
      4. Props
         1. Statically set by parent component
         2. Fixed for the lifetime of the component
5. Multiplatform development
   1. Key:
      1. Through using the platform module or platform file extensions
      2. Platform module knows which OS is currently running and compiles the code with the corresponding tag
6. Implication in the industry
   1. Greatly reduce the time cost in app development
   2. GitHub / MS support
   3. Simplifies the development process, only one language to master
   4. Fewer developers needed
   5. See more apps available for both Android and IOS