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| | | Date: | |
| 140 | coole tiree projuming tools | 5.EU | |
| 43 | without is cross platform application | | |
| 100000 | developmento | | |
| 67 - 3 | ROTATION VERTICAL OF SCIENCE | oto! | |
| \rightarrow | Cross-platform development is | the | |
| | execution of software application | m that | are |
| e brief | commontible with multiple mod | 116 | |
| 10 | operating system. Originally, the complexity of developing mo | eot | |
| ir fat U | complexity of developing mo | bile a | PPS |
| acolg t | was compounded by the allti | ung | |
| | building out a backend that | WOOKE | <u> </u> |
| , | across multiple platform. Alth | nzough | L |
| +1 | wit was time- consuming and | ex per | nsive. |
| | ito was tofteno easier to build | mative | |
| | application for each mobile | | |
| 9 | system (Os). The problem was | that | the |
| 1 | code built for one operating | usyster | m |
| 500 | could not be repurposed to | ano the | <u>'</u> ~ |
| NA. | Osiolmant bono sepatrava a se | | |
| | was lecally. | Soft | |
| | Today, it is easier for progra- | mmers | |
| 2.70 | to gevelop cross-platform apple | Meuros | - V |
| 41 | approaches to cross-plat form of | levelop | ment |
| | TYICIVEE: | | |
| | off of exors platform application | 91158 4 | - |
| - 4 | · Hybrid mobile app developme | mt - | |
| | arverbers write the core of | - Hno | |
| Carlo - 1 | application as an HTM16 Ax | Tank 00 | raint |
| | mobile app and then place a native | | |
| | device wrapper ground it. | | |
| | A STATE OF THE STA | Call | |
| | Rapid mobile app development | t-deve | lopers |
| | (Ana) 200 (Ana) (Ana | | |

| | use code-free programming tools. RMAD offers business users the ability to quickly build and manage "good-enough" internal apps to address specific business issues. |
|--|---|
| | use code-tree programme ability to |
| Marie and the same of the same | offers business used manage "good-enough" |
| A commence order or commence of the | quickly build and thanks specific |
| and the second s | internal apps to address specific |
| 1 | business issues. |
| A CONTRACTOR | and code base |
| The same of the same | · Windows univeral apps - one codebase |
| | |
| The second second | |
| - A | |
| | , smartwatch or XBox. |
| 109 | 5 Small water on the state of |
| | · Progressive web apps - websites that |
| 1/150 3 | look and behave as if they are |
| FL 3 | look and bengue as in mag |
| prite | mobile apps. & PWAs are built to |
| Carrier T | take advantages of native mobile |
| 11111 | device teatives, windon acquiring |
| 780 | the end user to visit an appstore, |
| | make a purchase and download |
| | software locally. |
| 5× | SUMMER OF SELECTION AND STATE OF THE STATE OF THE SECOND STATE OF |
| (2) | C |
| two cyc | |
| tanks, and the last | · interpretation |
| - | Benefit of cross platform application |
| 7 | development are asinfollow: |
| *************************************** | |
| 1 | 19 90 skin odt stient skanotenato |
| | (1) Codes can be revsed |
| 911 | (2) Control (Cost) box que sudon |
| | (3) Quicker development time |
| | (4) Easier Implementation |
| gol ou | ele-tresmoderele app development-de |
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| | Scanned with CamScanner |
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| | |
| (4) | what is use of mpm? |
| | npm is the package manager for the Node Java Script platform. IT puts modules in place so that node can find them, and manages dependency conflict |
| a contract | intelligently. It is extremely configurable to support a wide variety of use cases. Most commonly, it is used to publish, |
| | discover, install, and develop node |
| | How to install a npm in system? |
| <u> </u> | for installing npm in system, following steps need to be followed: |
| - Hymny | Step 1: Download Node is Installer Step 2: Install Node is and NPM from Browser. Once the installer finishes downloading, launch it Step 3: Verify installation. |
| (7) | List and discuss features various steps which are used to create an iconic project. |
| > | Step 1: Open a new terminal window (Mac) or a command window (windows), and navigate (cd) to the ionic-tutorial directory. |

| step 2: Using the ionic CLI, create an application named conference based on the sidemenu starter app: ionic start conference sidemen |
|---|
| Step 3: Navigate to the conference folder |
| ed conference |
| Step 4: Start the application in a browser using ionic serve |
| I JOHNICI SEO VED 7 |
| Note - Because of cross domain policy issues you have to load the application from load the application from server Tonic server web server with live reload in the application from |
| Step 5: In the application, open the side menu ("hamburger" icon im the upper left corner) and select playlist im the list to see the details. |

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| | In the next modules, you will replace the playlists with a list of conference sessions retrieved from the server using the REST services you experimented with in the previous |
|--|--|
| | will replace the playlists with a list of |
| | conference sessions retrieved from the |
| | corner using the REST services you |
| | experimented with in the previous |
| | module. |
| | nequie. |
| | Step 6: Open the side menu again and |
| .01 | select login. Click the login button |
| | step 6: Open the side menu again and select login. Click the login button to close the window. |
| | |
| | In the last module of this tutorial |
| | you will implement login using |
| - | come suc facebooking a suitant tonoth |
| 112 | The mission of the state of the |
| (9) | Enlist four popular framework which |
| 12.000 | used to develop cross platform application. |
| (1) | FLUTIER SIMS SHIP SHIP DEVILLED TO |
| \rightarrow | flutter is a popular cross-platform mobile |
| 7 | 19PD aeveropment tramework in 2020, 7+ |
| 1.1. | is written in dart language and launched |
| 1 107 | by google. flutter is an open-source |
| 15 | mobile approdevelopment is are |
| 7 | THE BOTHET ANT GITCHER ON MAIN |
| Sale of the sale o | The option of the 2D rendering engine has made this frame work very popular. It is the hest cross-plater |
| - 0 | has made this framework very popular |
| | The Desireous Platroam mobile and |
| | gevelopment process in case there is an |
| | cros. Inis means the error can be |
| 1 | desolved in real-time |
| Trin | (1) Fast programming the days |
| | |

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Advantages:

- (1) Fast app development
- (2) Responsive
- (3) Easy to -use UI

Disadvantages:-

- (1) Limited libraries
- (2) No flexibility

(2) REACT NATIVE

React Native is an open-source crossplatform mobile app development
framework built by face book. This
framework supports Javascript codebase
and utilizes the same codebase form
developing both android and ios
application. The frame work helps to
build high-performance mobile
application within a short span,
making this framework powerful
as well as reliable. The framework
design enables the developer to
reuse components for integrating
the rich mobile UT.

Advantages:

(1) Fast programming due to Java script

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| | (2) Enables codebases sharing on | Kin . | |
| | (3) High performance | to the second of | |
| | विद्यालय विद्युतन हो है। | | |
| | Disadvantages: | 2661 | - |
| | Everyll property successfully | | / |
| | (1) Cannot be used for cross-1 | platfo | χm |
| | development completely many to | * (2) | |
| | (2) Compatibility issues | <i>d3</i> | |
| T. | (3) Native modules require expe | rotise. | |
| + | (2) TONT CO | 13de | |
| ng la | ines the same address for up | 1;1- | |
| 37 | Ionic is among the most p | opulas | |
| | cross-platform app framewor | - Plande | 1+ |
| VE | Using Angular and Cordova. 7 | TH car | $^{\circ}$ |
| Coy, | be used to develop come | Pax th | Yna |
| | alterent platforms namely | And 2 | avol |
| 30 | This transport | 0011000 | |
| 710 | neips developers to build a | 11000 | |
| | TOTE MOIN CODD TIMES TICE COND | | |
| | friendly features. It is an of front-end framework that a | ven -s | ource |
| | developers to alter the develop | 110ws | |
| | process according to their un | men | |
| 1 | ideas. | 190e | |
| | La Dalan La Language of Ingland | I-(s) | |
| | Havantages: to Troom solution | 1 (5) | |
| | The state of the s | 138+- | |
| | TO POXO | | <u> </u> |
| | (2) Fast prototyping - (3) Concise documentation | Deid | |

toms while (1)