Page No.

| | Mobile Application Development | |
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| | | |
| | SQL SQLite | |
| (-6) | SQL is a structured 6180 Lite is an embeddale | |
| | Query language used redational database | |
| | ery of relational management system which | |
| datak | ase system. is written in ANSI-C. | |
| | | |
| _ (e) Mais | components aire (0) 30/ ite supports many | |
| DDI | DML Embedded SOL Jealure of SQL and | |
| and d | ypamic SQL. has high performance. | |
| -: | | |
| -6150L | is used with database as solite is a postable | |
| - like | mysor, oracle, microsoft database serource. | |
| <u> </u> | - 49VK | |
| | The second secon | |
| (e) A co | nuential 301. datebase (1) Solite clatabase | |
| needs | to be owning as a system does not provide | |
| Servii | ce. like Oracledis to Such junctionalities. | |
| ^ | a to and provide a | |
| lat o | Junctionalities. | |
| - 201 | | |
| | is a greny long, which (6) Salite is a dalebase | |
| | ed by different management system itself | |
| SQLi | talabase. which uses sal. | |
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| | Problem Comments of the Commen | |

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| (0) | De-bugging | |
| | 0. | |
| | The de-bugger is an | essential |
| | tool that lets you | Inshect the |
| | execution of the cad | Le that bowers |
| * har. | your android abb so | that you |
| ` . | can fire any bugs | in it is |
| | De-bugging Vis the to determine the st | method you ose |
| | to determine the st | ate of your |
| | program at any poin | it of execution. |
| | | <u> </u> |
| | Vacili | - |
| (e) | Testing | · · · · · · · · · · · · · · · · · · · |
| | Testing is an integ | oal part of |
| | the all development | - process . |
| | By owning tests again | inst your cabb |
| | consistendly you can | niverty days: |
| | approprietress func | Hunco bethujous. |
| | and usuability before | e you release |
| | t publicly. | · · · · · · · · · · · · · · · · · · · |
| | <u> </u> | |
| (8) | Bugs & - The team | bug 1 seless |
| | to mistake in soft | ware or Ather |
| | outpects of a program | m. These |
| • | mistake may produce | en essor in. |
| | the form of whex hed | ed result or |
| | caspects of a program mistake may produce the form of whex ped estable behaviour. I | n the best |
| | case, a bug may only | y affect |
| * | ′ () () | 7 (10 |
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Pagn No. Page No. Date: setware her amonde . In the worst case. may make the software. (of Importance of addressing huns Here are different types of bugs sexpusly compromise your mobile of plication developer make sure of The best abt best practices when i comes to identifying and addressing bugs This requires nationly looking mont tox on also performance under certain Conditions White hox (a) Code implementation is. (a) Implementation of code is not needed for black box testing the structural (-) It is the functional test of the software (0) It is the external (-) It is the inner or nternal software implemention (1) 100

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| (*) User interface The role of the user interface is to display the application data on the sixeen and also to serve as the primary point of user interaction. It is also the way through which a user interacts with an application or a website whenever the data changes either due to vier interaction the user interface should update to reflect those Changes. (*) Importance of UI of expectations and support the effective functionality of your site. A well | () II 1: | s logic testing | (1) It is the behaviour . |
| The role of the user interface is to display the application data on the screen and also- to serve as the primary point of user interaction. It is also the way through which a user interacts with an application or a website. whenever the data changes either due to user interaction the user interface should uphale to reflect those Changes. (1) Importance of UI: Out is important to meet user expectations and support the effective functionality of your site. A week | (a) It is | s most time | (e) It is loss time Consuming. |
| The role of the user interface is to display the application data on the screen and also- to serve as the primary point of user interaction. It is also the way through which a user interacts with an application or a website. Whenever the data changes either due to user interaction the user interface should uptale to reflect those Changes. (1) Importance of UI: Out is important to meet user expectations and support the effective functionality of your site. A weel | (4) () ¢ | ex interlace | |
| to serve as the primary point of user interaction. It is also the way through which a user interacts with an application or a website. Whenever the deta changes either due to oner interaction the user interface should uptale to reflect those Uranges. (1) Importance of UI: Out is important to meet user expectations and support the effective functionality of your site. A west | \longrightarrow | The role of | the user interlace |
| the way through which a uses interacts with an application as a website whenever the data changes either due to vier interaction the uses interface should update to reflect those changes. (**) Importance of UI :- — > UI is important to meet uses apport the effective expectations and support the effective functionality of your site. A week | | data on the | screen and also- |
| changes either due to acer interaction—the user interface should update to reflect those Changes. (*1) Importance of UI :- > UI is important to meet user expectations and support—the effective functionality of your site of well | | the way throw | igh which or uses |
| (*) Importance of UI of UI is important to meet uses expectations and support the effective functionality of your site of well | | changes either there | due to user |
| >UI is important to meet uses expectations and support the effective functionality of your site. A well | | Changes. | |
| | | | |
| | ext. | tionality of | support the effective |

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| | executed User-Interpac | |
| | effective interaction by | the user and |
| | the program, app or mach | |
| | contrasting visuals, clea | nidesign and |
| | responsiveness | |
| I | | 1/w w |
| (A) [Y] | es of User interface | 8 0 |
| | raphical User interpace | (1-1) 7) |
| | GOT is a digital inte | |
| | user interacts with a | |
| | has icons, buttons come | |
| GU | I, the visuals displayed | in the user |
| inte | place convey information | relevant to the |
| USe | , as well as action to | F. |
| tak | e | · · · · · · · · · · · · · · · · · · · |
| 0 0 | Contract of the second | |
| (2)(0) | mmand line interface | (CLI) |
| | CLI is a text-bas | |
| | terface used to run | programs, manage |
| Con | mputer liles and inte | called |
| Cov | mmand - line user interfo | ice. |
| | | |
| | nu-driven User Interfo | |
| ->The | e menu-driven interface | employs a |
| Se | ries of screens, or men | 154. When a |
| USe | r makes exselection by | tapping I clicking |
| | , U | \ I |

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| | a lin Mak li akas | ca polaloice it |
| | on the list format of takes then | ext menu |
| | & seen until they com | . 4. 4. 1 |
| | desired outcome. | • 1 |
| | . 2.0 | mail and a |
| (A) - 4 | bes of layouts in | android |
| | | |
| | Lineage Layout | co ite |
| | children into a sing | |
| 14 () | or vertical row. It | |
| <u> </u> | a scrollbur if the | |
| <u> </u> | the window exceeds | the Donght |
| 10 1/4 - 4 | of the screen | |
| 6 | Relative layout | |
| | Enables you to she | cily the |
| | clocation of child | |
| | to each other (chil | diff to the |
| 7/3/8/8 | | to the parent |
| | Caligned to the top | of the parent) |
| | | |
| <u></u> | Meb view Mishlays web bago | 25 |
| \rightarrow | Displays was page | |
| | . p. 1/2 - 5, 1/2 - 1/2 | * · · · · · · · · · · · · · · · · · · · |
| 50, 7,7 | | |
| colors - | printer in the second in | 5 John Hair |
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| | | Southflow With Calliocallici |

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| (0) | Dalvik virtual machine |
| | The DVM is an android virtual |
| | machine optimized for mobile devices. |
| | It obtinizes the virtual machine for |
| | memory battery life and performance. |
| | One of the man reason of using |
| | Dum in android is because it, fallows |
| | the register based model and is |
| | much faster than stack based model. |
| | |
| /42 | SOAP (Simple objects access- protocol). |
| <u> (a) </u> | protocol |
| | |
| \rightarrow | It is an XML-based messaging |
| | protocal for exchanging information |
| | among computers. SBAP is an application |
| | of the XML Specification. Although |
| | STAP can be used in a voulety of |
| | messaging systems and can be delievered |
| | is a a variety of transport protocols, |
| | the initial focus of SOAP is remote |
| | procedure calls toonsported via HTTP. |
| ~~ | SOAP is a communication protocal designed. |
| | to communicate via internet |
| | SOAP can extend HTTP for XML messaging. |
| | SOAP can be used for broadcasting a mag |
| | SOAP is platform and language independent - |
| | |

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| (a) A | ndsoid Web Service | ês / |
| -A wel | services is basically | required to |
| | interoperability the | |
| abblico | tion. It allows differe | nt apply to |
| Commun | icate with each other | and share the |
| | and sexuices among the | |
| ب | e. / | **** |
| | Web Servers Wo | sking |
| | Respons from Server to client | |
| | | |
| _(Cli | nt cinternet | Server |
| - | | |
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| | Response lam. | 1.1 |
| 10 10 15 15 15 | chent to seave | sout Awards |
| | The state of the s | Seaves hosting |
| | | he web service |
| <u> </u> | | |
| Wood | of web Services | 1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |
| -7/6 | = 0 Web Sebyrous | |
| MX (C) | L-RPC :- In XML-RP | C, RPC stands for |
| | Jemote proceduse | calle . It is an |
| | XMIL based procume | col for the |
| | Oxhana of date | blu a huge some |
| | of device over t | |
| | Charles Syes | |
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| (2) | UDDI 3 - UDDI stemds | |
| | This on XML-h | ased 8 tandard used |
| 9. | Jos detailing, pi | ublishing and discovering |
| , | new web service | s rate of the C |
| <u>a</u> | 8000 0 5000 01 10 | D' and An Wall has |
| | SOAP 3- SOAP stands. | |
| | | ice protocol used |
| | for the exchange | of data or documents |
| | over HITP. | |
| (u) | REST :- Here REST is | i alaga della de de |
| | State Transfer. | |
| | - coulton and connect | |
| | and the internel | <u> </u> |
| Adv | intages of Web sex | inces A |
| 4 10/ 1/ | Thuges of vices see | |
| <u> </u> | Web services enable interop | exalility among |
| | different applications | disciplination of the state of |
| (2) | One of the very improducti services is servability | stage of using web |
| (3) | Web scruices offer faster c | ommunication within |
| | and across application and | organization. |
| | They allow us to expose | |
| <u></u> | Web services are deployed | _ |
| | intend technologies. | Colling Manager |

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| | \ \ : ats(I) | Date: / / |
| 1. 1. | oid SDK | |
| (•) FINA | oid SDK stands for An | toid software |
| +1000 | old SDR Starios Job All | lough had by |
| deve | apment kit which is d | Android SOK |
| 4008 | le for endroid platform | - Attaona |
| 150 | callection of Diboaries | mars of man |
| develo | pment tools that are e | ssential go |
| devel | plyg android applications | SDK |
| cansi | St 5 of some tools us | hich care very |
| - egs en | tal for the developmen | t red ound so i CN |
| - appli | ation. These tooks p | rovide a |
| cmoot | h flow of the developm | nent process |
| - Joon | developing and debuggin | g. Android |
| SDK | 13 compatible with | all operating |
| | m such as windows, 1 | |
| efe | - rept philippeds for | 1.11.2 2. 3 |
| 2 | 10 to post of | Lexur, |
| - Com | ponents of SDK? | |
| | U Total | ir initia |
| | ndroid SOK tools | |
| 2) A | hasoid SDK-build too | ls in 6. |
| . 3 A | hasoid Emulator | * |
| (G) A | ndroid SDK platform | - tools |
| | DK platforms. | |
| | college and the state of the | |
| <i>></i> | reit in a record of | |
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| 1. 1. | the state of the s | |
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| | - 83 H W C 1 | West Does Hell |