

Planning Aid Information Gadget

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Prefaces

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1. Software development life cycle (SDLC):

The Software Development Lifecycle is a systematic process for building software that ensures the quality and correctness of the software built. SDLC process aims to produce high-quality software which meets customer expectations. The software development should be complete in the pre-defined time frame and cost.

SDLC Phases

The entire SDLC process divided into the following stages:



- Phase 1: Requirement collection and analysis
- Phase 2: Feasibility study
- Phase 3: Design
- Phase 4: Coding
- Phase 5: Testing
- Phase 6: Installation/Deployment
- Phase 7: Maintenance

2 Platform Knowledge

2.1 What is Android?

Android is a mobile platform it depends on an operating system, middleware, and key application system.

2.1.2 Advantages of Android:

1. Low Investment & High ROI:

Android provides freely its Software Development Kit (SDK) to the developer community which minimizes the development and licensing costs.

2. Open Source:

Get the open source advantage from licensing, royalty-free, and the best technology framework offered by the Android community.

3. Easy to Integrate:

Are you looking for complex technical customization and integration of a web application or just a Smartphone application you already have? Its integrate.

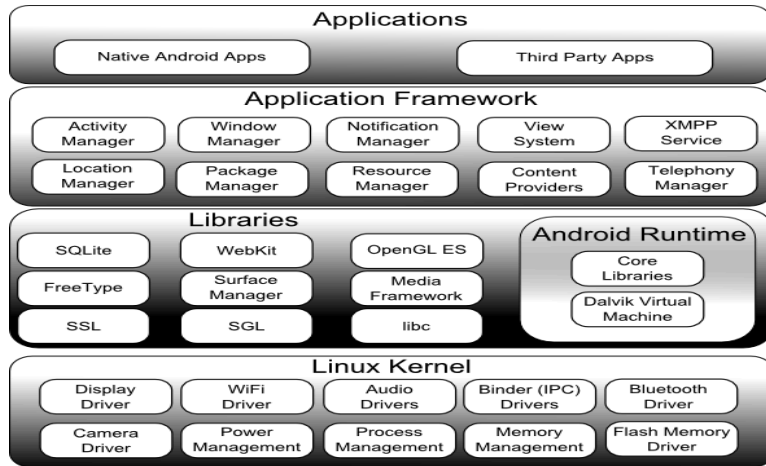
4. Multiple Sales Channels:

Unlike other mobile platforms, Android app development services can be deployed in different ways. You do not have to rely on a single market to distribute your applications.

5. Easy Adoption:

Android applications are scripted in Java language with the help of a rich set of libraries. a lot of Java programmers find it easy to adopt and script code for mobile applications in the Android OS.

2.2 Architecture:



Linux kernel: It is the heart of android architecture that exists at the root of android architecture. Linux kernel is responsible for device drivers, power management, memory management, device management, and resource access.

Native Libraries: On top of Linux kernel, there are Native libraries such as WebKit, OpenGL, FreeType, SQLite, Media, C runtime library (libs), etc. The WebKit library is responsible for browser support, SQLite is for database, FreeType for font support, Media for playing and recording audio and video formats.

Android Runtime: In android runtime, there are core libraries and DVM (Dalvik Virtual Machine) which is responsible to run android applications. DVM is like JVM but it is optimized for mobile devices. It consumes less memory and provides fast performance.

Android Framework: On the top of Native libraries and android runtime, there is the android framework. Android framework includes Android API such as UI, telephony, resources, locations, Content Providers (data) and package managers. It provides a lot of classes and interfaces for android application development.

Applications: On top of the Android framework, there are applications. All applications such as home, contact, settings, games, browsers are using an android framework that uses android runtime and libraries. Android runtime and native libraries are using Linux kernel.

3 Domain Knowledge:

3.1 BlockChain:

A blockchain is a decentralized, distributed and public digital ledger that is used to record transactions across many computers so that any involved record cannot be altered retroactively, without the alteration of all subsequent blocks. This allows the participants to verify and audit transactions independently and relatively inexpensively. A blockchain database is managed autonomously using a peer-to-peer network and a distributed timestamping server. They are authenticated by mass collaboration powered by collective self-interests. Such a design facilitates a robust workflow where participants' uncertainty regarding data security is marginal. The use of a blockchain removes the characteristic of infinite reproducibility from a digital asset. It confirms that each unit of value was transferred only once, solving the long-standing problem of double-spending. A blockchain has been described as a value-exchange protocol. This blockchain-based exchange of value can be completed quicker, safer and cheaper than with traditional systems. A blockchain can maintain title rights because, when properly set up to detail the exchange agreement, it provides a record that compels offer and acceptance.

3.2 Big Data

Big data is a term that defines the very huge amount of data (both structured and unstructured data) which cannot be able to stored or processed by using the traditional computer system. As it requires a vast amount of storage that can be able to handle and requires special software needed in order to process those data. Simply, big data is larger, more complex data sets, especially from new data sources. Big data can be analyzed for insights that lead to better decisions and strategic business moves.

The primary goal of Big Data applications is to help companies make more informed business decisions by analyzing large volumes of data. It could include web server logs, Internet clickstream data, social media content and activity reports, text from customer emails, mobile phone call details and machine data captured by multiple sensors. Organizations from the different domains are investing in Big Data applications, for examining large data sets to uncover all hidden patterns, unknown correlations, market trends, customer preferences, and other useful business information.

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4 About the Project

4.1. Abstract:

In the fast forward world of technology, everyone is running behind the mobile application and they need all the information on the mobile phone itself. Nowadays the Mobile application users have increased and it equals the population. In this real-world humans are seeing all the information and news in mobile itself. Mobile application are currently trending for all the fields example, Food, Shopping, Banking, etc. So all the company assigning a job or raise a ticket through mail with full secured. But there is some hardware or internet issues is happening which means it will make an immediate solution for the problem otherwise it's making some delay to resolve the problem. The higher official will escalate the issues and it will make some problems for the team members and it takes immediate action from the higher authority. As well as hacking also getting the most advanced technology there is no secured for the data and make some data traffic while running through the website. To overcome the reasonable issues we have developed an application. The application will make easily useable for the users and it will reduce time efficiency. They can easily analysis the daily report and it will make more helpful for the users. This application is mainly developed for the company industries to maintain and see the types of product from the client. Data will be most secured with higher priority and it will maintain by chain process method. At the same time data will not be hacked by the third parties person because the data will get hidden and the data will not be seen by all the users. Only respective login users can see the hidden details and they have separate with authorized persons. There is no malware detection may not be happened it will fully be secured and it get some update to the respective users. This application will be most useful for the software industries because it will reduce time and work will happened on time for all the users.

4.2 Scope Of the Project:

The main scope of the project to reduce the workload and save time efficiency for the company as well as employees also. In this application, we have implemented for the company used with the complete process and it will be reducing timing at the emergency situation. So it will make more helpful for the management and it will be

delivered an immediate solution for the employee concerns. This application had include the client details with full conformation and it may have improved for the stability and conformability to the users. They can see the daily job assigned by the higher official through application and they can give the daily report according to the nature of the domain. The Higher official has only the authority to take a conversation with the client as well as a team lead of each domain. But it will maintained by the higher authority that may have maintained with full secured and authorized person only can access with the user's data. To secure the data we have implemented in the blockchain method and the data will be linked with other data with most securable and effective data. And it has to maintain the data transaction will be effective and secure information will maintain by the higher authority. This application makes user-friendly and it gave comfort to the users.

4.3 Existing System:

In the existing system, we have seen out that many companies have to assign a job through official mail and have to see all the information through email. And it makes some time to deliver that message to the concern person and it will not receive it to the right person at that time. The works will be jet-lagged and they will get escalated from the client-side they want to finish the task within that duration. It may have required for accessing details maybe not proper otherwise it affected by server issues. So the staff will affected due to those issues and it makes some similarities to the other teams. It will be affected by their promotions and career growth of the individual person. Then data traffic may have happened while all the users had accessed in the same server. There is a chance for the data loss because data will happen sometime and they can take advantage of restless work. The deadline may be across the date and it will be escalated with higher official they will take immediate action with the client.

4.3.1 Disadvantages:

- One Person has to be maintained all the details for all the team.
- It will increase the time efficiency of the user.
- Client details will be viewable to all the teams.
- The agreement process will be happened depends upon the client requirement.

- Planning, discussion, and team coordination will not be in a proper manner.

4.4 Proposed System:

In the proposed system, we have to make a concentrate on allocated daily tickets to the right person with a proper and immediate response. They can view the new and previous tickets through the application. And it has to update the registered details with correct information that will be provided to the users. That details will be maintained by the management and it will most be secured with high credential sensitivity details. After that user can view the new tickets requested from the managers according to the responding team. They can view the tickets after that they will started for the nature of the job and it will be required to all the team with the responding domain. And they can see the product information on the client requirement but the name will get hide because it maintains the security purpose. They can available to see the status of the previous tickets whether it's finished or still progress they can check for their reference. The product data will be stored like a chain-like process and it will be stored and most securing the data in this process. There is no chance for data loss and misusing the data with unauthorized persons. The data storage process will act as an effective and most sensible data will be provided.

4.4.1 Advantages:

- Effective managers and team coordination will happen for the planning and discussion process.
- Accurate Data will be provided by the client to the management.
- Reduce Time and Less pressure for the employees and management.
- Third Parties Cant not be hacked the details and it will happen effectively.
- Agreementation process will happen in the rare case due to performance.

5 Bottom line and Future Enhancements:

In this application, we have enrolled the online Job assignment with higher authority. They can manage the data storage with complete detail and their use need. It will get differ from the task given to each domain it will be most secure and valuable data transfer process has been happened. And they can add the daily report and status of the job to be maintained by management and employees. According to the product, the status client can be given the ranking to the company and they share feedback about the company and product. They can take care of the data and it will be deliverable once the demo process will get a positive result. Data is more secure than the other application and hackers can't be easily hacked the user data. Future work it's may concentrate on security purposes with constant and efficient. Better to make the stable person for the broker and make the proper validation of the user details. Online Chatting with a video call to the client will be added for the user confidence and assurance to buy the product. And the client can track the product with the help of the track sheet report will be sent from the management side. And to make a better user interface model and user-friendly with a better option to the user connivance.

6 Hardware And Software Requirements

6.1 Hardware Requirements:

- ✓ RAM: 8GB RAM
- ✓ PROCESSOR: Intel CORE i3
- ✓ HARD DISK: 100 GB

6.2 Software Requirements:

- ✓ FRONT END: Java
- ✓ BACK END: MySQL
- ✓ SERVER: PHP
- ✓ VERSION: JDK8
- ✓ PLATFORM: WINDOWS 10
- ✓ IDE: ANDROID STUDIO 3.5.2
- ✓ SQL TOOL: PHPMyAdmin.