

# Mobile Based Claim Processing System Using Pattern Mining Technics

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## ABSTRACT

This work any company that is having an employees are provide medical reimbursement facility which means that the expenditure incurred by the employee for treatment is reimbursed by the company. For reimbursement, the employee needs to fill in a form detailing the treatment undertaken which includes the name & cost of medicines, laboratory tests, surgery. The employee duly signs the form and it will be sent to the concerned claims processing department (CPD) by messenger for processing. cpd will process it and the order regarding the reimbursement is sent to the cash counter (cc) where in the employee can come and receive the reimbursement amount.

**Keywords :** Apply Claim, Employee , Claim Status, Mobile technology, Pattern Mining Technics

## I. INTRODUCTION

The employees who claimed for medical reimbursement need to visit the CC from time to time enquiring about the status of their application. This results in enormous wastage of time of the employee. To overcome these problems, it is proposed to develop a software titled Mobile Based Claims Processing System (MCPS) which is web based so that the employee can fill the form online and submit it so that the form is sent to CPD through Internet. At CPD, the form needs to be checked automatically by a program which will compute the amount that needs to be reimbursed to the employee for the treatment undertaken. Any excess amount claimed by the employee is ignored by the software. The amount computed will be routed to the e-mail account of the employee as well as to the Bank which holds the accounts of all the employees of the company. The bank will credit the amount to the account of the employee based on the mail.

## II. LITERATURE SURVEY

”Mahima M Department of Information Science ”Mobile applications are a rapidly growing segment of the global mobile market. Mobile applications are evolving at a meteor pace to give users a rich and fast user experience. In this paper, Android mobile platform for the mobile application development,

layered approach and the details of security information for Android is discussed .Google released Android which is an open-source, mobile phone operating system with Linux-based platform. It consists of the operating system, middleware, and user interface and application software.

“Dr.RavindraThooll, Department of Computer Engineering, Institute of Technology, Pune, India ”Providers sending professional and supplier claims to Medicare on paper must use Form CMS-1500 in a valid version. This form is maintained by the National Uniform Claim Committee (NUCC), an industry organization in which CMS participates. Any new version of the form must be approved by the White House Office of Management and Budget (OMB) before it can be used for submitting Medicare claims. When the NUCC changes the form, CMS coordinates its review, any changes, and approval with the OMB The NUCC has recently changed the Form CMS-1500, and the revised form received OMB approval on June 10, 2013.

“J.Simon, Head First Android Development. Sebastopol, “Web Claim Processing System”, This software can be easily upgraded in the future. And also include many more features for existing system. It is connected to the network for easy retrieval of data and many more location or many districts or cities in different states. All

the information can be easily accessed by the employee like their details, mails, departments. It can be modified and the other details can be easily provided to customer.

“Chimay J.Anumba..” This paper begins with a discussion on the use of information and communication technology (ICT) for claims management in the construction industry. This is followed by the findings from case studies conducted on the end-users’ requirements for the design of a Web-based construction claims management system. This paper forms part of the initial findings of an ongoing research.

### III. BACKGROUND SPECIFICATION

#### Android Platform

Android was built from the ground-up to enable developers to create compelling mobile applications that take full advantage of all a handset has to offer. It was built to be truly open. For example, an application can call upon any of the phone’s core functionality such as making calls, sending text messages, or using the camera, allowing developers to create richer and more cohesive experiences for users. Android is built on the open Linux Kernel. Furthermore, it utilizes a custom virtual machine that was designed to optimize memory and hardware resources in a mobile environment. Android is open source; it can be liberally extended to incorporate new cutting edge technologies as they emerge. The platform will continue to evolve as the developer community works together to build innovative mobile applications.

Android provides access to a wide range of useful libraries and tools that can be used to build rich applications. In addition, android includes a full set of tools that have been built from the ground up alongside the platform providing developers with high productivity and deep insight into their applications. Android allows background processing, provides a rich user interface library, supports 2-D and 3-D graphics using the OpenGL libraries, access to the file system and provides an embedded SQLite database.

#### Data Base

SQLite is an Open Source Database which is embedded into android. SQLite supports standard relational database features like SQL syntax, transactions and prepared statements. In addition it requires only little memory at run time (approx. 250 Kbyte). SQLite supports the data types TEXT (similar to String in Java), INTEGER (similar to long in Java) and REAL (similar to double in Java). All other types must be converted

into one of these fields before saving them in the database [1]. SQLite is available on every android device. Using a SQLite database in android, does not require any database setup or administration. The SQLite statements are defined for creating and updating the database only once. Afterwards the database is automatically managed by the android platform.

#### Exsting SYSTEM

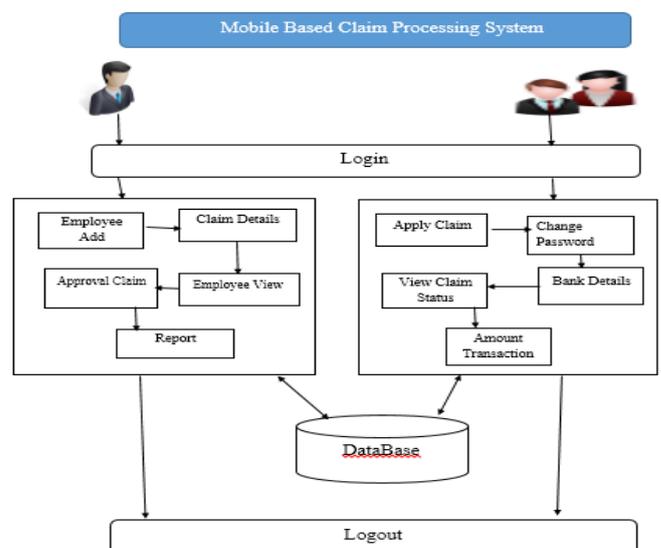
- All the employees are provided medical reimbursement facility which means that the expenditure incurred by the employee for treatment is reimbursed by the company.
- The form is duly signed by the employee and it will be sent to the concerned Claims.
- Claims Processing Department (CPD) by messenger for processing CPD will process it and the order regarding the reimbursement is sent to the Cash counter (CC) .

### IV. PROPOSED WORK

The Claim processing system is an automated facility mobile apps. This system is enhancing the facilities provided to the employees claim apply easy and very fast processing in mobile apps.

Claim request is accepted or rejected by the administrator. After viewing the claim report the administrator will accept or reject the claim depends upon the claim status. Claim checking process using techniques Feature Extraction Frequent Pattern Mining

### V. ARCHITECTURE DIAGRAM



## VI. MODULE DESCRIPTION

There are two modules define in the system.

- Admin Module
- Employee Module

### A. Admin Module

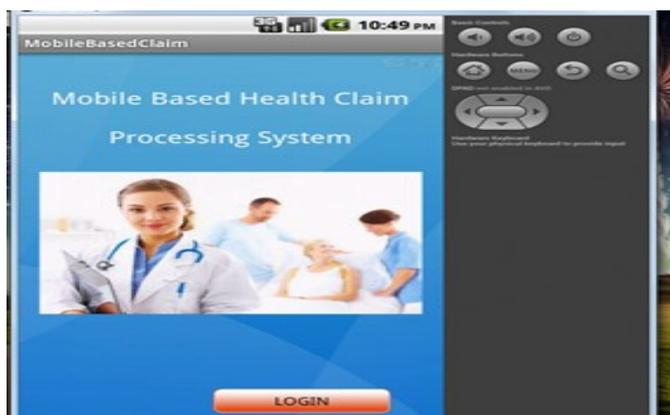
The Admin can starts their work from register the Employee details and provide the claim and maintain the claim details. Then update information to the Employees, maintain the Claim details. Then send payment to the Bank Account.

### B. Employee Module

The Employee can Apply the Claim and to changing the password, the Employee are viewing the Claim Status and to provide the Bank details.



## VII. RESULTS AND OUTPUT



## IX. REFERENCES

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## VIII. CONCLUSION

Claims system provides real-time Medicare claim review and editing prior to claim processing to enhance accuracy and reduce collection time. Medicare claims system automatically retrieves your claims file, runs the edits and eligibility process and submits clean claims so you can get paid sooner and avoid future take-backs automatically performs claim import, submission, eligibility and status on all Medicare claims. Likewise, it accelerates and automates secondary claim submission and quickly identifies claims to correct and re-submit its very user friendly to employees a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions. Authors are strongly encouraged not to call out multiple figures or tables in the conclusion—these should be referenced in the body of the paper.