

Web Based Claims Processing System (WCPS)

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ABSTRACT

Web Based Claims Processing System (WCPS) developed in website so that the employee can fill the form online and submit it so that the form is sent to Claim Processing Department (CPD) through Internet. Claim processing the form needs to be checked without human intervention by a program which will compute the amount that needs to be reimburse to the employee for the action undertake. All the employees in a company are provided medical reimbursement facility which means that the expenditure incurred by the employee for treatment is reimbursed by the company. For repayment, the employee needs to fill in a form detail the treatment undertake which include the name & cost of medicines, laboratory tests, surgery. The employee accordingly signs the form and it will be sent to the concerned Web based Claims Processing Department 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 receive the reimbursement amount.

KEYWORDS: *Web Based Claims Processing System (WCPS), Claims Processing Department (CPD), Cash counter (CC)*

1. INTRODUCTION

The advents of computer technologies have revolutionized our life in many ways. It is no longer the monopoly of the elite class, but also has reached the masses. For the haves, they may possess their own personal computers, but for the have-nots there are various ways that they can feel the touch of the computer systems such as Internet and e-mails at designated places. For some, this is the time to make lucrative business of hiring them according to hours.

A company which is having employee strength of at least 500. All the employees are provided 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 form is duly signed by the employee 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. To overcome problems like manual application forms can may miss during transit; form is prone to weariness due to which the company may not be able to read data in it after some years.

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. It is proposed to develop software titled Web Based Claims Processing System (WCPS) which is

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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. Our web processing system is very user friendly and provides several facilities. Basically, we are developing our system on web browser; in future we will give a platform on android. This study is meant to develop a Web-based Claims system for staff who have to perform duties. Currently, all claims have to be made manually by filling up the claim forms by the claimants. This is a very tedious process and time consuming. It is not unusual for the claimants that they have to refer to the Treasury Circulars to check on their entitlements that they are unsure of each time they have to make claims.

2. LITERATURE SURVEY

In this paper [1] 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.

In this paper [2] 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.

In this paper [3] 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.

In this paper [4] 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.

3. METHODOLOGY

3.1. EXISTING SYSTEM

All the employee are provide medical claim facility which mean that the expenditure incurred by the employee for treatment is reimburse by the company for reimbursement, the employee need to fill in a form detailing the treatment undertaken which includes the name & cost of medicines, laboratory tests, surgery. The form is duly signed by the employee 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. Some of the problems in the existing system are The form may miss during transit. The form is prone to weariness due to which the company may not be able to read data in it after some years. The employees who claimed for medical reimbursement need to visit the CC from time to time enquiring about the status of their application.

DISADVANTAGE

- Manual Process
- Very Long Time Process
- Record Maintenance is very difficult

3.2. PROPOSED ALGORITHMS

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. 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 details. The Claim processing system is an automated insurance facility for all walks of life. The

root of the system starts from registration of the customer. This system is enhancing the facilities provided to the customers by converting it into an automated and mobile system.

Advantages

- The employers can directly register under the Insurance firm online and as far as the rest of the process is concerned, the entire processing of transactions is automated.
- The access of the data is restricted to un-authorized users of the head office and the branch office. And the official details are kept confidential. The time lag involved in the manual system is completely wiped out.
- Registering, declaration by the employees and ultimately the claim, payment etc is computerized. Retrieving information and follow up about each aspect becomes easier.
- The Objective of this system is to provide the functionalities to the policyholders, which is helpful to claim their auto accident and damages of the vehicle online. It facilitates company wide integrated system covering all functional areas of a claim processing.
 - Mobile Application Software
 - Very Short Time Process
 - Record Maintained is very easy.
 - Claim checking the administration is very user friendly apps

4. EXPERIMENT AND RESULTS

Implementation is one of the important tasks in project. Implementation is the phase in which one has to be cautious, because all the efforts undertaken during the project will be fruitful only if the software is properly implemented according to the plans made.

Login:

This module is the first module. From this page only the user can navigate to project. Only the authorized person can enter by giving valid information. If the user provides the invalid information then permission denied navigating to other pages. This login module concentrates the security of the project from the unauthorized users.

New User

This module is designed for new users who need the quarters. The new user has to register with the proper details. This system requires a proper user authentication for accessing the features behind in this system. For getting the rights to accessing the features users have to register their identity to this system. Once registered the system will provides the accessibility rights to the users to work in this system.

Employee:

Employee Module is used to entry the details of an employee. All the employees of an organization will be added in to this site. Administrator makes an entry for every new employee.

Claim:

An employee can make a claim request to the administrator with is module. They enter all the medical information for a claim request. This claim entry will send to the administrator.

Admin Login

This module is designed for administrator. From this page only the administrator can navigate to project. Only the administrator can allot the quarters for required staff. The admin can view all details of the user who need quarters. If the user provides the invalid information then the process will getting delay. This login module concentrates that the administrator can only login and not the other.

Claim Details

Administrator can view all claim request details. This module displays all the claim details requested by an employee.

Approve/Reject Claim:

This module is used to decide whether the 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. This claim accepted or rejected details will store into the database and send to employees.

View Status:

Employee can view the claim status details, whether the claim is approved or rejected by the administrator.

4.1. USE CASE DIAGRAM

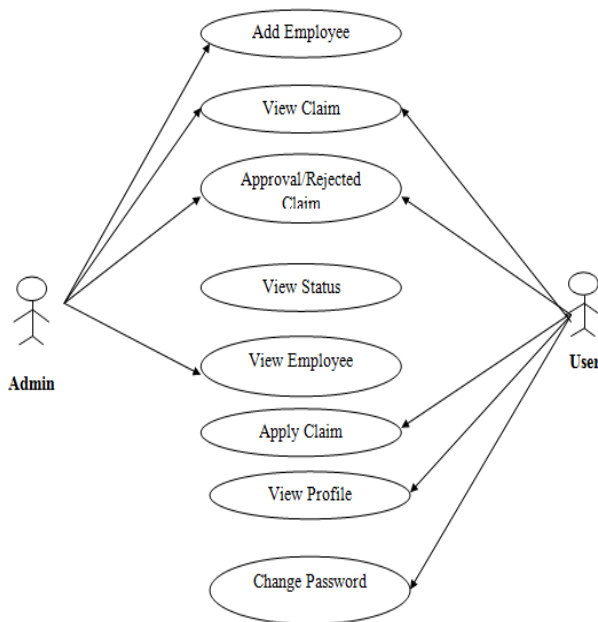


Figure 4.1 Use Case Diagram

4.2. RESULT



4.2.1. Admin Login



Fig: 4.2.2 Add Employee



Fig: 4.2.3 Employee View



Fig: 4.2.4 View Claim



Fig: 4.2.5 Approval/Rejected Claim



Fig: 4.2.8 Employee Login



Fig: 4.2.6 Claim Status



Fig: 4.2.9 Apply Claim



Fig: 4.2.7 Employee Report

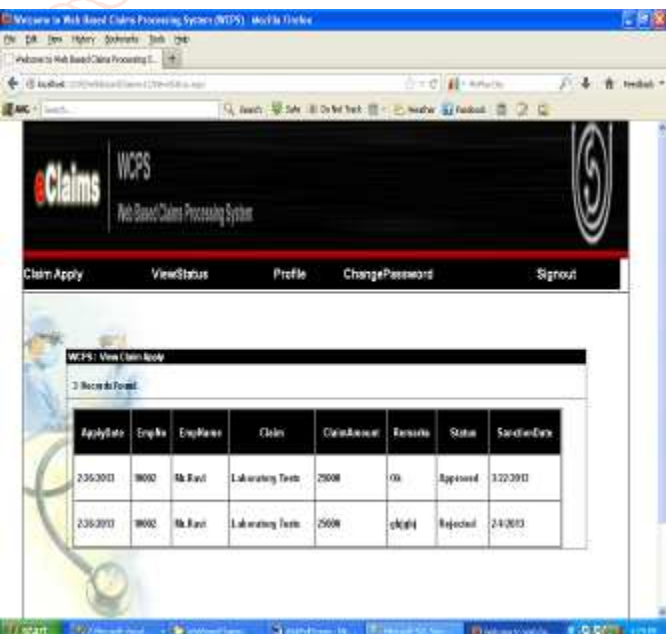


Fig: 4.2.10 View Status



Fig: 4.2.11 View Profile



Fig: 4.2.12 Change Password

simplying the life of healthcare professionals as well as patients (by way of less denials and quicker claims reimbursement). A web based claims processing system is definitely considered to be a better option as it provides the flexibility to operate it through any place. It can also pass through various channels (departments) for further processing.

FUTURE ENHANCEMENT

In this competitive world, developing a concern with their opponent is a challenging process, which wants better improvement. For that this system keeps Mobile Based claim processing sector and try to solve the problem at most extent. This system helps to enables the web application development and enriches their way of dealing.

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5. CONCLUSION

A Web Based claims processing system is an intelligent piece of software that helps to automate the process of claims submission. It helps to simplify the process - the task of coding becomes simpler, readily available data entry form, error handling and many more features. The systems aim at