

Employee Expenses Management System

Geddada Suresh

PG Scholar, Dept of CS ,
SVKP & Dr K S Raju Arts & Science
College, Penugonda, A.P, India,

A.N.Ramamani

Associate Professor, Dept of CS,
SVKP & Dr K S Raju Arts & Science
College, Penugonda, A.P, India.

Abstract

Employee Expense Management System is an automated system that can be useful to employees and the managers in any organization. Employee Expense Management System provides the facility to define the tasks in the organization and also allows the managers to vouchers for any reimbursable expenses born by the employee.

1. INTRODUCTION

Today mobile phones are used in large by people all around the world .As more employees prefer to use mobile devices in the workplace, organizations allowing them to use their own mobile devices for business purposes that is in indeed travelling and expense claim . Also ondemand fast, easy service which is portable with usage of mobile application to employees. And we've never much cared for manual expense claim entry but there was use to be a manual expense report generations and processing. Employees will get claim amount back only after the appropriate documentation has been submitted, reviewed and receipts approved online through some procedures and the original receipts have been reviewed. That seems when white goods manufacturing giant had a large team of field support engineers. They do have lots of work on travel and they even don't return to office for

few days, weeks or months then led to delay in claiming the travel expense in a timely manner. In many cases business travel expenses represent the second or third largest cost in the company (that depends on the industrial sector of the company). German business travelers spent around 48.2 billion euros in 2013 on 171.1 million business trips. This is an increase of about 3% compared to the year 2012 [2]. So after lot of brainstorming we came across an idea of a mobile application for travel expense claim in automotive way. Get quick access to all travel and expense data also reduce manual routines, increase employee satisfaction, realize a rapid return on investment by streamlining your travel planning and expense reimbursement processes. In this globalized world, frequent travels between multiple locations is the norm. In these circumstances, enterprises need to stay on top of the itineraries and expenses as an improper travel planning can result in productivity loses and missed business opportunities. Additionally, cumbersome expense claim processes can result in both employee dissatisfaction and higher expense processing costs. Hence, travel & expense management has become a critical business function in enterprises today.

2. OVERVIEW OF THE SYSTEM

Existing System:

The existing system uses Microsoft Excel Sheets for storing data. When a manager needs information of an employee Voucher, one has to search for the specified file in the file system. Report generation is done manually by copying the content of the different files into another file. Information retrieval is a very complex process. Lack of organization of the files may lead to information loss due to accidental deletion of files.

Proposed System:

The Proposed system provides the centralized database. It stores data related to expense vouchers for any reimbursable and description of the each detailed information of. It can also create Excel reports and PDF documents based on the information in its database. The performance is improved due to well designed database. Security of the system is enhanced. Time is saved in report generation and it is easy to update the details.

Modules:

The system is proposed to have the following modules:

1. Administrator module
2. Manager module
3. Employee module
4. Backup Admin

Administrator module:

Administrator allocates voucher to managers and assigns detailed information of expenses incurred along with amounts to members. Administrator assigns a priority to each Report that is generated. Administrator can also access voucher related information. Admin generates reports based on data submitted by managers.

Manager module:

Every voucher should start a new process instance (case). Managers should be able to view vouchers waiting for their approval in their Inbox by logging in to the application. Employee should be able to track progress of his vouchers. At any point in the workflow, managers should have the option of rejecting any voucher stating appropriate reasons and controls the team member's access to the vouchers assigned. Manager has the permission to generate the reports and update the information of team members and can add new members to the project.

Employee module:

Based on the Employees department and designation, the vouchers should flow to his supervisors for their approvals. The number of approvals required will vary according to total amount of the voucher and approval limits set for supervisors.

Backup Admin:

Back up admin Means Accounts department users should be able to view approved vouchers of all employees and mark vouchers as paid. This step completes the lifecycle of the voucher and the associated process instance.

3. SYSTEM DESIGN

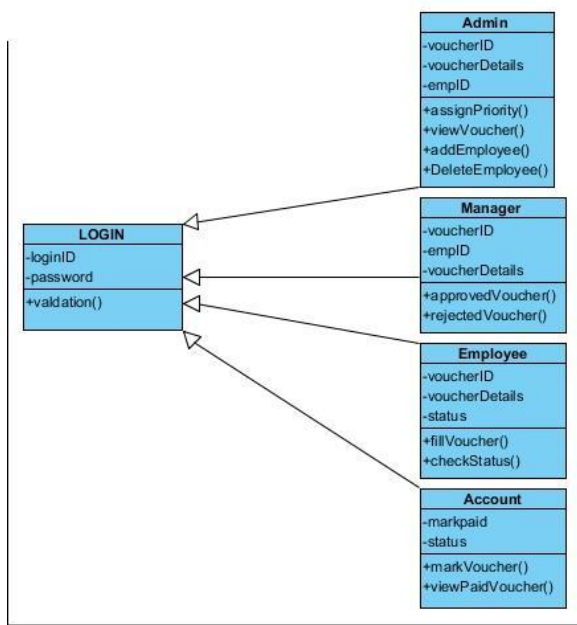


Fig 3.1: Class Diagram

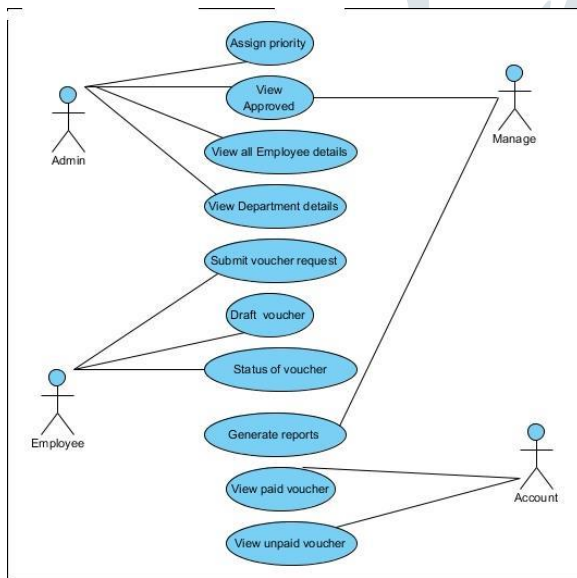


Fig 3.2: Employee Use Case Diagram

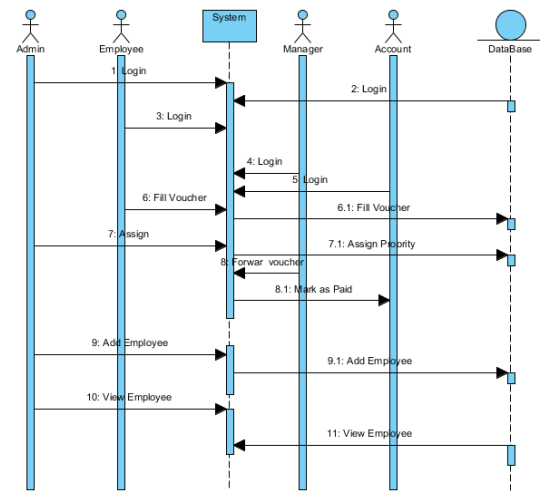


Fig 3.3: Sequence Diagram

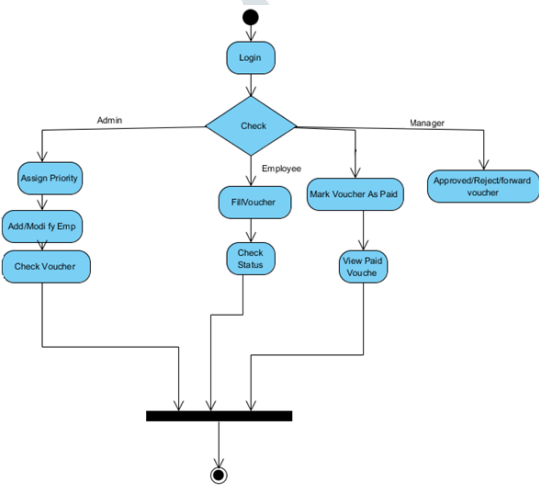


Fig 3.4: Admin Activity Diagram

4. OUTPUT SCREEN SHOTS

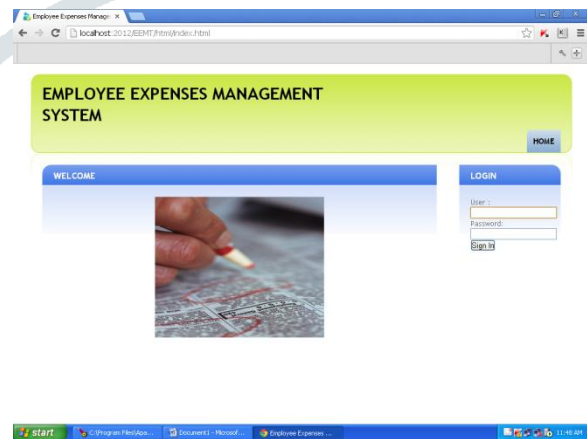


Fig 4.1: Login Page

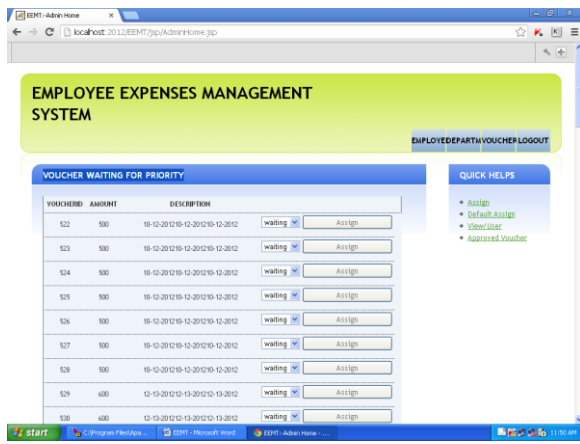


Fig 4.2: Home Page

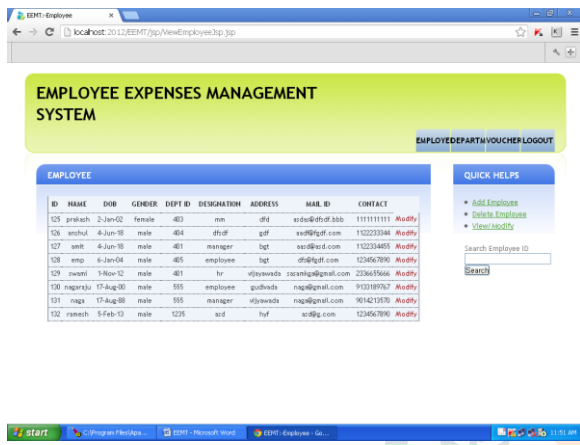


Fig 4.3: View/Modify Employee Details



Fig 4.4 View Voucher Page

5. CONCLUSION & FUTURE SCOPE

The “Employee Expenses Management System” was successfully designed and is tested for accuracy and quality. During this project we have accomplished all the objectives and this

project meets the needs of the organization .The developed will be used in searching, retrieving and generating information for the concerned requests.

6. REFERENCES

- Java Complete Reference by Herbert Shield
- Database Programming with JDBC and Java by George Reese
- Java and XML By Brett McLaughlin
- Wikipedia, URL: <http://www.wikipedia.org>.
- Answers.com, Online Dictionary, Encyclopedia and much more, URL: <http://www.answers.com>
- Google, URL: <http://www.google.co.in>
- Project Management URL: <http://www.startwright.com/project.htm>
- <https://openforests.com/forest-manager/>
- <http://ijirt.org/Article?manuscript=145783>

About Authors:

G.SURESH is currently pursuing CS SVKP & Dr K S Raju Arts & Science College, Penugonda, West Godavari A.P. His research interests include Web Technology , Internet of Things.



A.N.Ramamani is working as Associate Professor in SVKP & Dr K S Raju Arts & Science College, Penugonda, A.P. She received Masters Degree in Computer Applications from Andhra University and Computer Science & Engineering from Jawaharlal Nehru Technological University Kakinada, Kakinada, India. Her research interests include software Engineering ,Web Technology ,Internet of Things. Formal Languages and Automata Theory and Object Oriented programming languages.

