

OF

ENGINEERING & MANAGEMENT



WEB BASED

MAINTENANCE MANAGMENT SYSTEM



COMPUTER SCIENCE & TECHNOLOGY

DEPARTMENT

WEB BASED MAINTENANCE MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

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In partial fulfillment for the award of the diploma

ElittE institutE of EnginEEring and ManagEMEnt

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DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

CERTIFICATE

This is to recognize and certify that Subham Khan (Registration No- D131490133), Animesh Dutta Chowdhury (Registration No- D121359613), Sourav Mitra(Registration No- D121359602), Md. Sohel Rana(Registration No- D131490124), Somnath Rakshit(Registration No- D131490132), Swasti Sundar Chanda(Registration No- D131490127), Pratyush Bir (Registration No- D121359564), Dilip Majhi(Registration No- D121359599), Subhankar Gayen (Registration No- D121359571), Somnath Banik(Registration No- D121359612), Shilpi Debnath (Registration No- D121359578), Pampa Sarkar (Registration No- D121359586) Students of Diploma in Computer Science and Technology of PART III SEM II of Elitte Institute of Engineering and Management, Session 2012-2015, have successfully completed their dissertation "WEB BASED MAINTENANCE MANAGEMENT SYSTEM", under the guidance and supervision of the undersigned, which is submitted for the partial fulfillment of the degree of Diploma in Computer Science and Technology

The project, that has span through out their final year, has got the expected involvement from their and I personally believe that the kind of devotion, sincerity and regularity they have shown, will add value to their merit.

I wish them all the success in future.	
Ms. Srabanti Chakraborty (Project Guide) Lecturer in C.S.T Department Elitte Institute of Engineering and Management	Mr. Sumit Samanta Assistant Professor & Head of the Department of Computer Science & Technology Elitte Institute of Engineering and Management
Prof. Md. Ismail Mentor Principal Elitte Institute of Engineering and Management	Prof. Anjan Kar Principal Elitte Institute of Engineering and Managemen

SCOPE OF PROJECT

- ✓ Less work outages
- ✓ Better accountability
- ✓ Less overtime
- ✓ Keep the Lab materials information

ACKNOWLWDGEMENT

I deem it pleasure to acknowledge my deep sense of gratitude to a number of people contributed to this effort of mine. I will try my best to mention all them here appropriately.

First of all I'd like to thank our Hon'ble principal sir Prof. Anjan Kar, Mentor Principal sir Prof. Md. Ismail, Hon'ble Director sir Mr. Bazlul Haque, Hon'ble secretory sir Mr. Sajal Ghosh and Hon'ble sir Mr. Sankar Roy for their kind cooperation and giving this opportunity to complete the project with proper infra structure..

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I also wish to reciprocate in full measure the kindness shown by all my respective departmental faculties and our respected H.O.D.

I would like to thank all my project team members for their cooperation, participation and suggestion throughout the project.

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Finally I want to pay my heartiest regard and thank to all my family members and co-friends, who have encouraged and inspired us in successfully completing this project.

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- Screen Shots
- Conclusion
- **&**Limitation
- Bibliography

ABSTRACT

The need for a concrete system, whether manual or automated, is very important for the systematic approach to handle the various information and record of materials.

The project Web Based Maintenance Management System is an automation system of the materials concerned with locating, maintaining, updating management of materials of laboratory of an organization.

The Web Based Maintenance Management System may be used to automate lab equipment maintenance. Such a system contains the details of materials, there location, list of fault orders and then prompts vendors to pick the necessary items and provides them after repairing.

The project coverage area is the locating and monitoring all the materials of laboratory then sending them for repairing if necessary. This system also can generate reports.

The Software and Hardware requirements of the project:

- ❖ Intel Pentium III 833MHz
- **❖** 128 SD-RAM.
- ❖ Mozilla Firefox / Opera / Google Chrome / IE 9.0 or Above
- **❖** MY SQL

Main objectives of the Web Based Maintenance Management System are:

Department in-charge side:

- ❖ Department in charge can register all materials location wise.
- ❖ Department in charge can register the fault from any location they will get a fault ticket number.
- ❖ Department in charge can use the fault ticket and check the current status of the fault
- ❖ Department in charge can generate the time based maintenance report.
- Department in charge can check the current status of material at any time.

Maintenance Manager side:

- ❖ Maintenance Manager can be informed about the fault of any material of any department very easily.
- ❖ Maintenance Manager can monitor all the fault status.
- ❖ Maintenance Manager can generate monthly or weekly report for all departments.
- ❖ Maintenance Manager can generate the list of materials under the repair or breakdown.
- Maintenance Manager can check the current status of material department wise at any time.

INTRODUCTION

Web Based Maintenance Management System is a process for managing, locating repairing, updating the materials of a labotatory. In common usage, the term may also refer to just <u>the software components</u>.

The **Web Based Maintenance Management System** may be used to automate lab equipment maintenance. Such a system contains a list of fault orders and then prompts vendors to pick the necessary items and provides them after repairing.

REQUIREMENT SPECIFICATIONS OF PROJECT REPORT

Hardware Requirement:

☐ Processor: - Intel Pentium III 833MHz

□ RAM: - 128 SD-RAM.

☐ Hard Disk: -20 GB or above.

☐ Monitor: - 14" VGA.

• Mouse.

• Printer: - For print report or Bill.

Software Requirement:

- Operating system: Windows 98/2002/NT.
- Front End: PHP. (Professional Edition.)
- · Back end: MY SQL

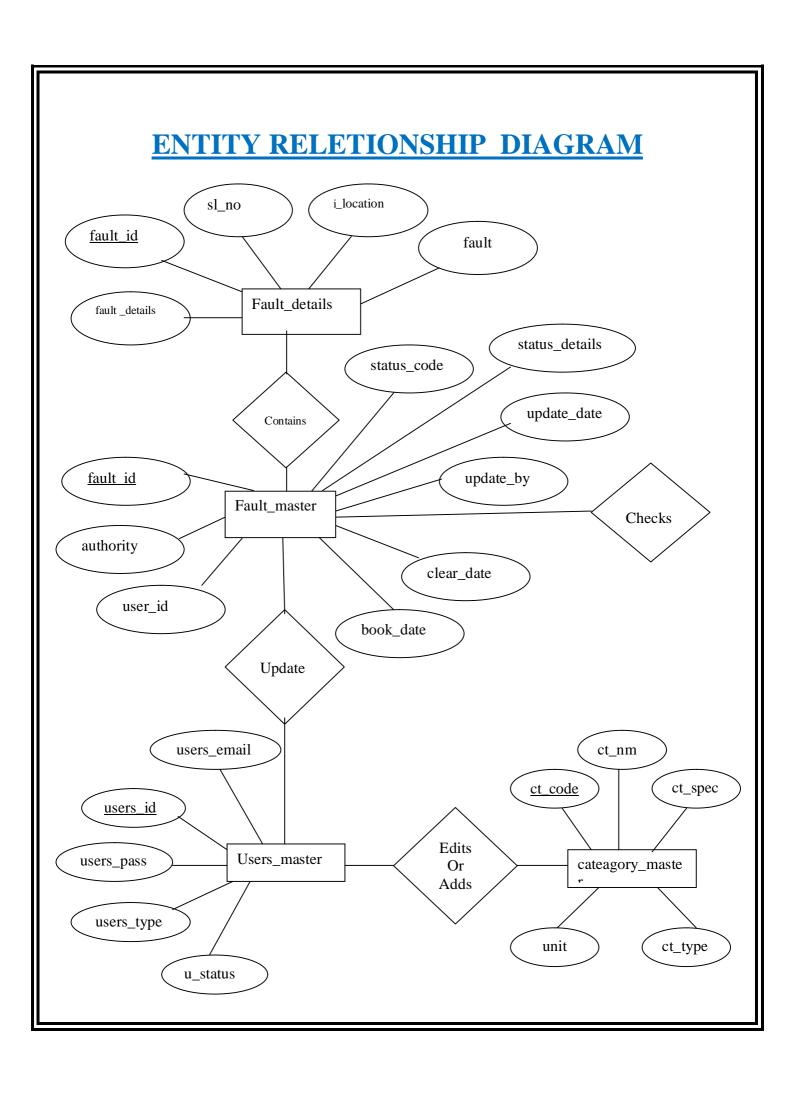
OBJECTIVE

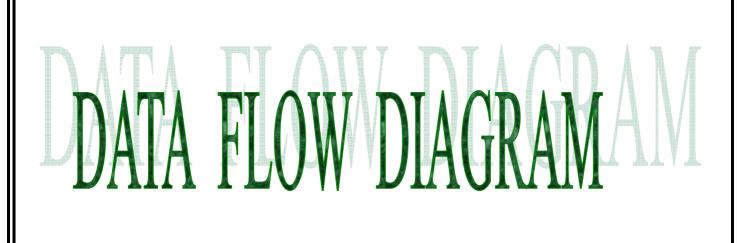
Department in-charge side

- ❖ Department in charge can register all materials location wise.
- ❖ Department in charge can register the fault from any location they will get a fault ticket number.
- ❖ Department in charge can use the fault ticket and check the current status of the fault
- ❖ Department in charge can generate the time based maintenance report.
- ❖ Department in charge can check the current status of material at any time.

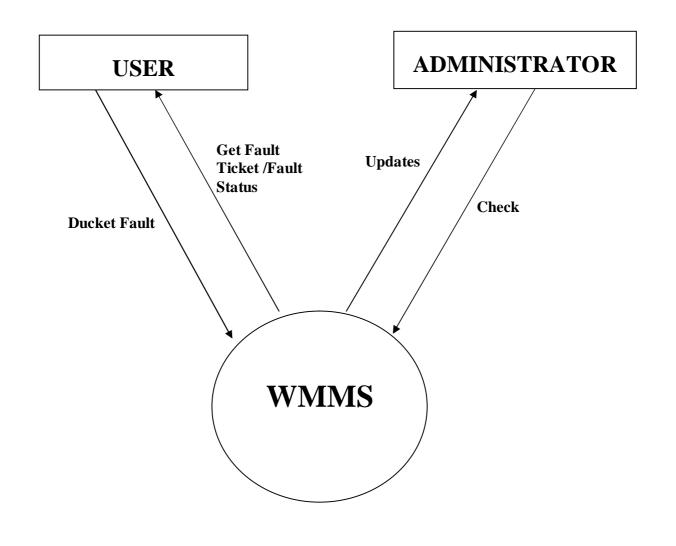
Maintenance Manager side:

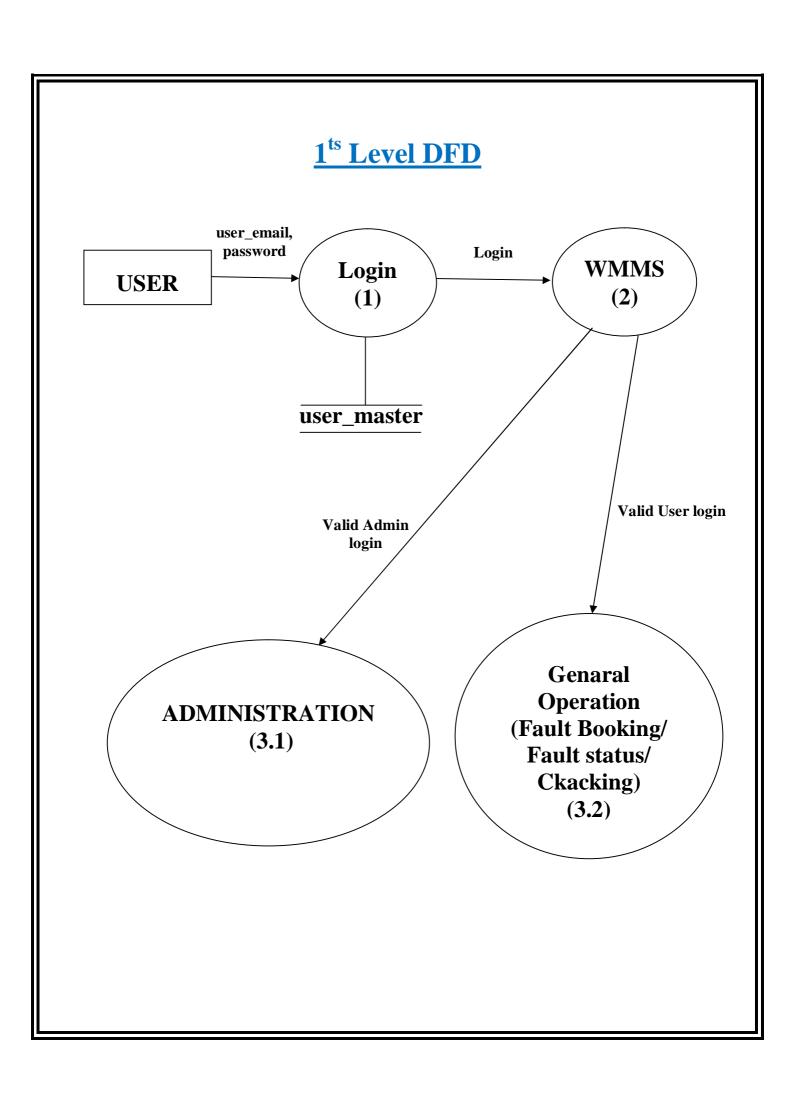
- ❖ Maintenance Manager can be informed about the fault of any material of any department very easily.
- ❖ Maintenance Manager can monitor all the fault status.
- ❖ Maintenance Manager can generate monthly or weekly report for all departments.
- ❖ Maintenance Manager can generate the list of materials under the repair or breakdown.
- ❖ Maintenance Manager can check the current status of material department wise at any time.

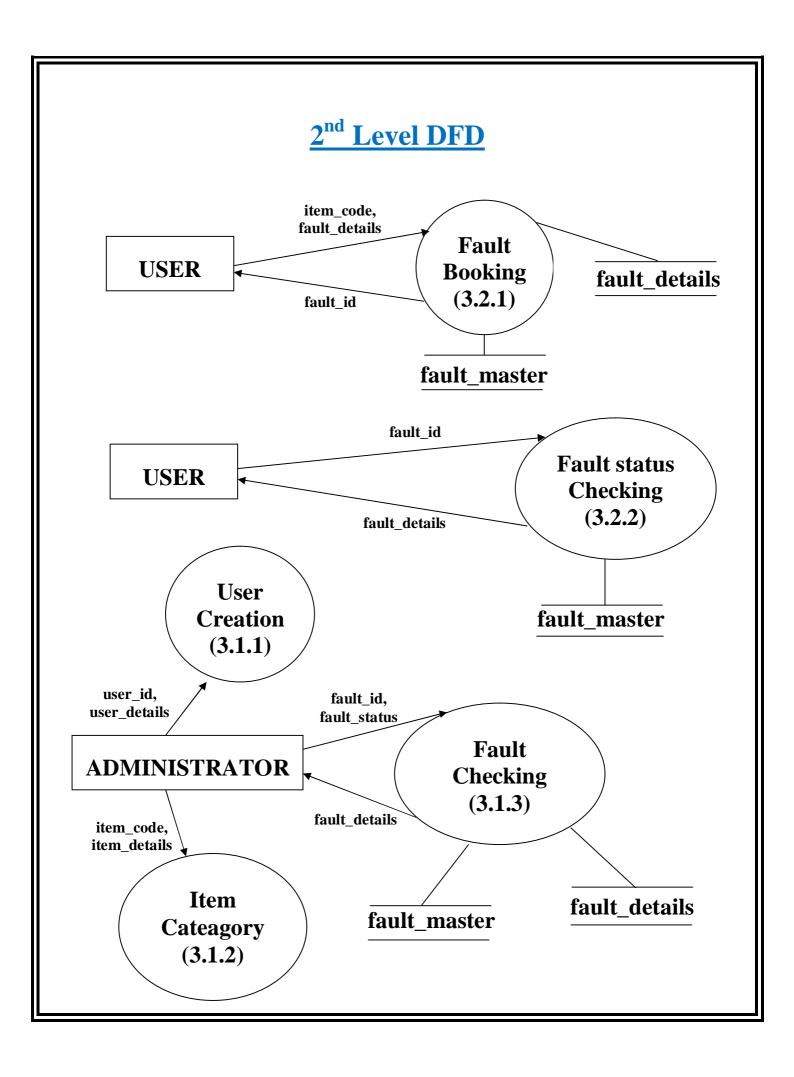


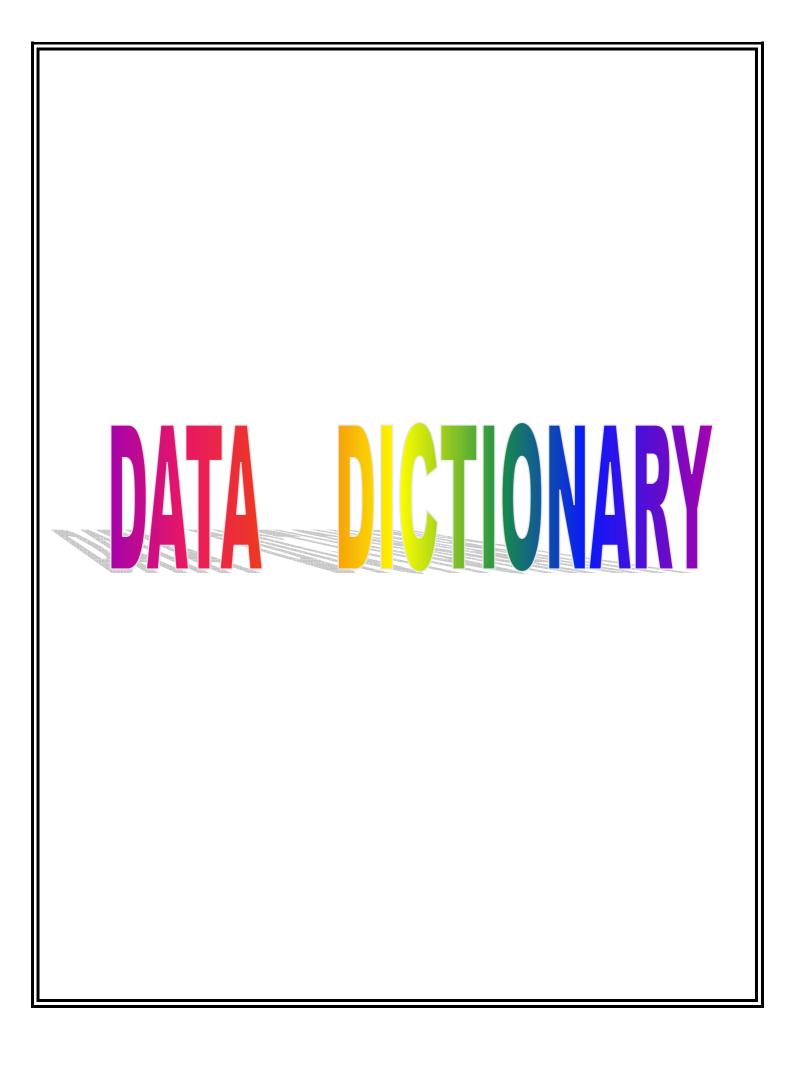


CONTEXT FREE DIAGRAM (0 Level DFD)









DATA DICTIONARY

$1. \ \, \text{Store details about "users_master"}$

Field Name	Field Type	Constraint	Remarks
users_id	int(11)	Primary Key	Stores id of user
users_email	VARCHAR(255)		Stores email of user
users_password	VARCHAR(255)		Stores password of user
users_type	VARCHAR(255)		Stores type of user
u_status	tinyint(1)		Stores status of user

2. Store details about "register_user_master"

Field Name	Field Type	Constraint	Remarks
users_id	int(11)	Primary Key	Stores id of users
first_name	VARCHAR(255)		Stores first name of register user
last_name	VARCHAR(255)		Stores last name of register user
u_dept	VARCHAR(255)		Stores department name of register user
last_log_in	VARCHAR(255)		Stores last login time of register user
address	VARCHAR(255)		Stores address of register user
sex	VARCHAR(255)		Stores sex of register user
date_of_birth	date		Stores date of birth of register user
phon_no	int(10)		Stores phone no of register user
profile_pic	VARCHAR(255)		Stores profile image location of register user

3. Store details about "cateagory_master"

Field Name	Field Type	Constraint	Remarks
ct_code	VARCHAR(255)	Primary Key	Stores code of Category
ct_nm	VARCHAR(255)		Stores name of Category
ct_specification	VARCHAR(255)		Stores specification of Category
ct_type	VARCHAR(255)		Stores type of Category
unit	VARCHAR(255)		Stores unit of Category

4. Store details about "fault_master"

Field Name	Field Type	Constraint	Remarks
fault_id	int(11)	Primary Key	Stores id of fault item
status_code	VARCHAR(255)		Stores status code of fault item
status_details	VARCHAR(255)		Stores status details of fault item
update_date	VARCHAR(20)		Stores update date of fault
authority	VARCHAR(255)		Stores authority name of fault
update_by	VARCHAR(255)		Stores updater name of fault
user_id	int(11)		Stores id of user
book_date	VARCHAR(20)		Stores book date of fault
clear_date	VARCHAR(20)		Stores clear date of fault

$5. \ \ \,$ Store details about "fault_details"

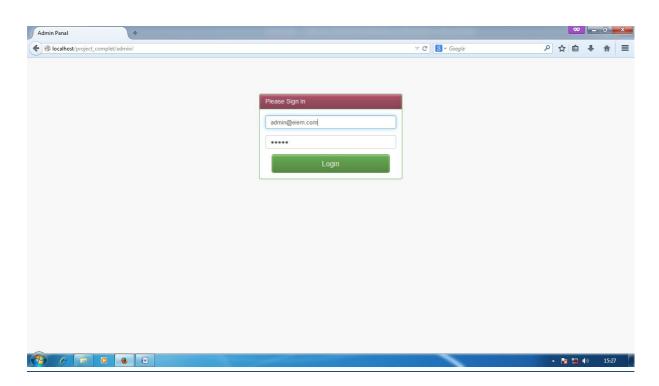
Field Name	Field Type	Constraint	Remarks
fault_id	int(11)	Primary Key	Stores id of fault item
sl_no	VARCHAR(255)		Stores serial number of fault item
i_location	VARCHAR(255)		Stores location of fault item
fault	VARCHAR(255)		Stores topic of fault item
fault_details	VARCHAR(255)		Stores details of fault item

$6.\ \mathtt{Store}\ \mathtt{details}\ \mathtt{about}\ \mathtt{``repair_master''}$

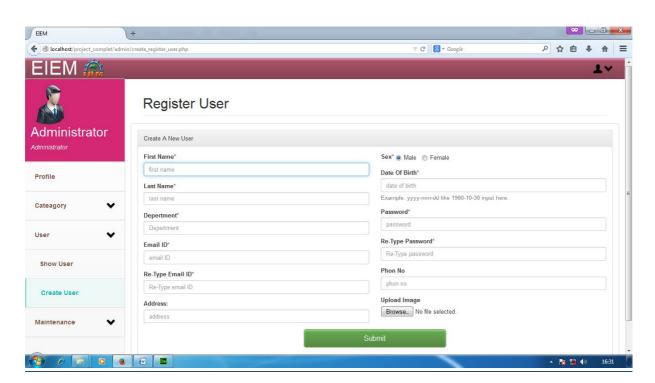
Field Name	Field Type	Constraint	Remarks
status_code	VARCHAR(255)		Stores status code of repair
status_de	VARCHAR(255)		Stores status details of repair

SCRUIN SILOTS

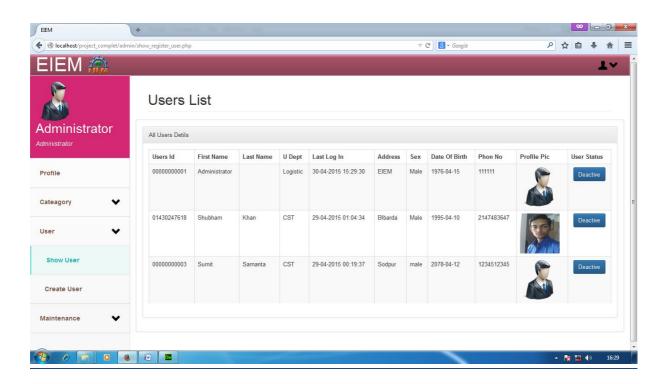
SCREEN SHOT OF LOGIN PAGE:



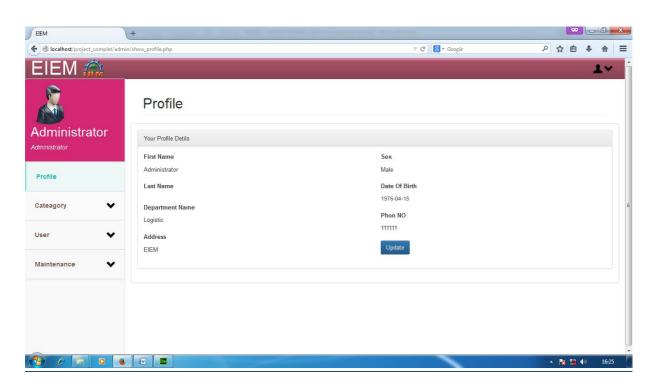
SCREEN SHOT OF CREATE A NEW USER:



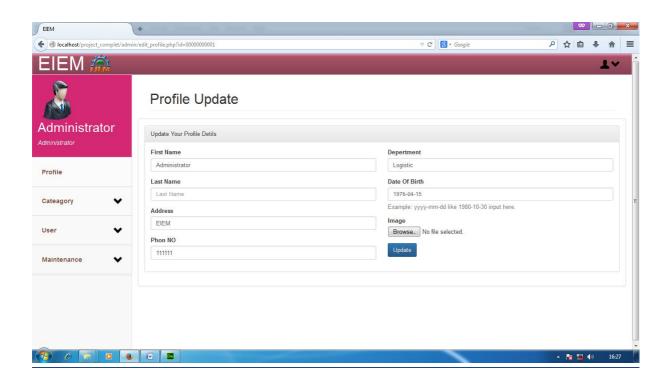
SCREEN SHOT OF USER LIST:



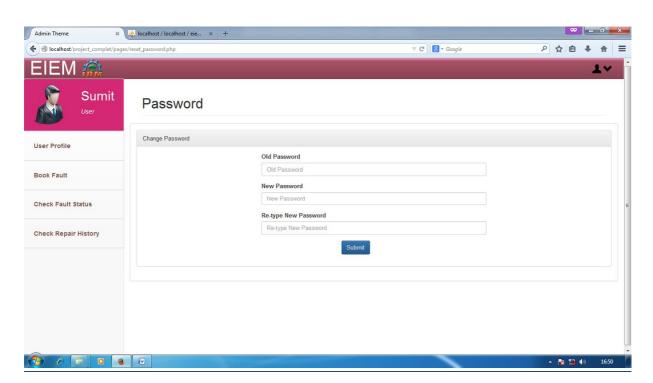
SCREEN SHOT OF USER DEATILS:



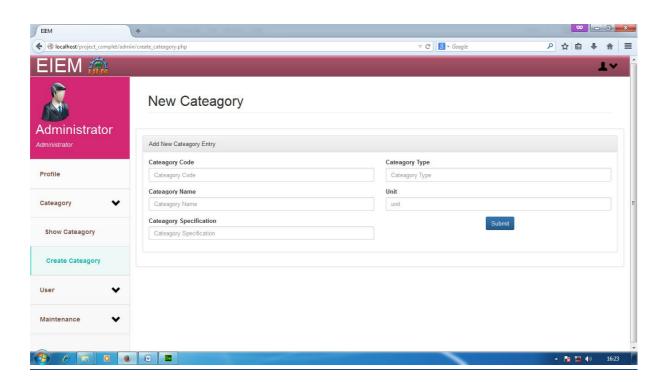
SCREEN SHOT OF USER DEATILS UPDATE:



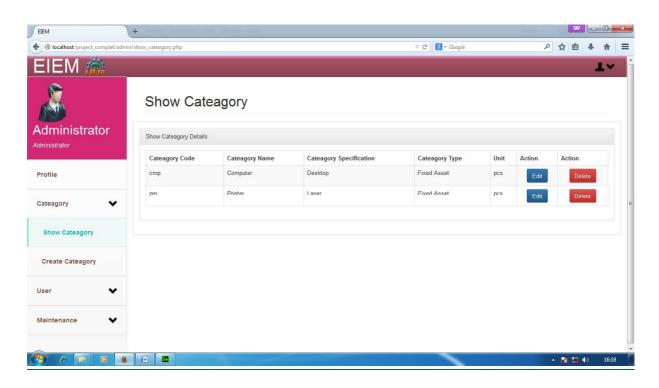
SCREEN SHOT OF USER CHANGE PASSWORD:



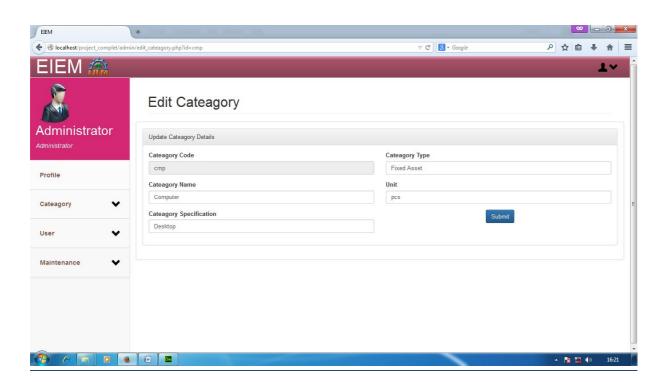
SCREEN SHOT OF NEW CATEAGORY ENTRY:



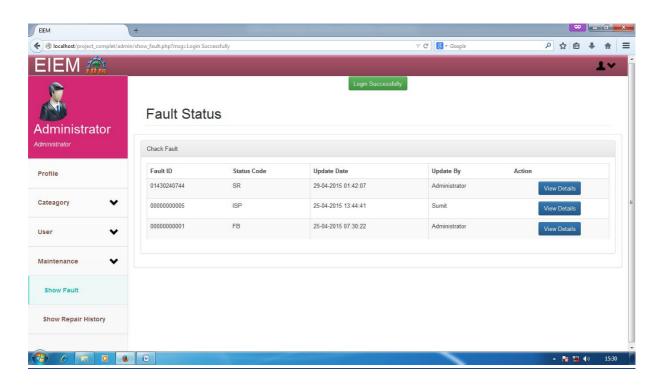
SCREEN SHOT OF SHOW CATEAGORY LIST:



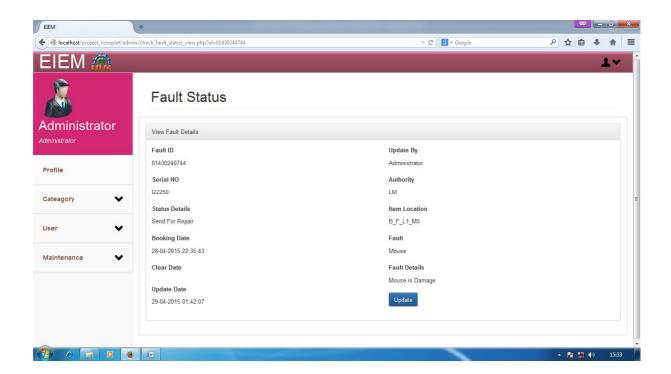
SCREEN SHOT OF UPDATE CATEAGORY DETAILS:



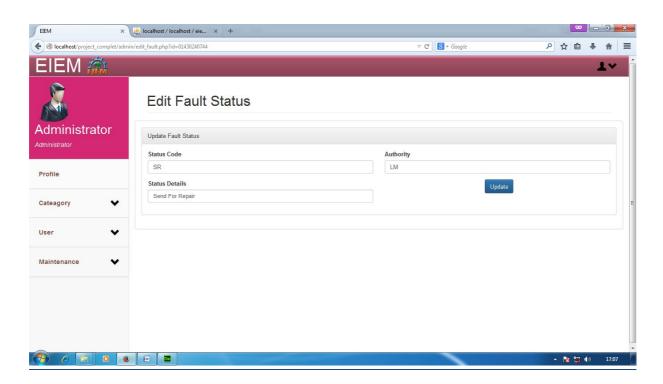
SCREEN SHOT OF SHOW FAULT LIST:



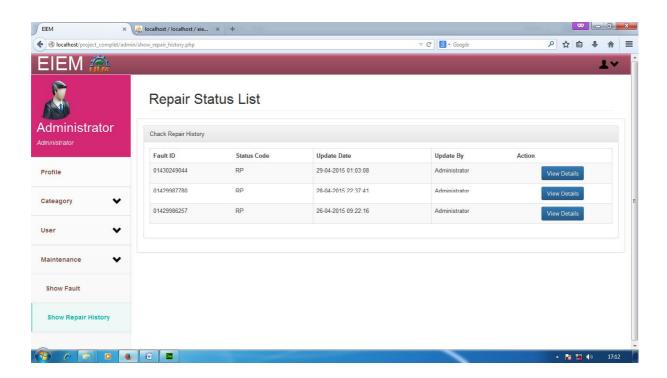
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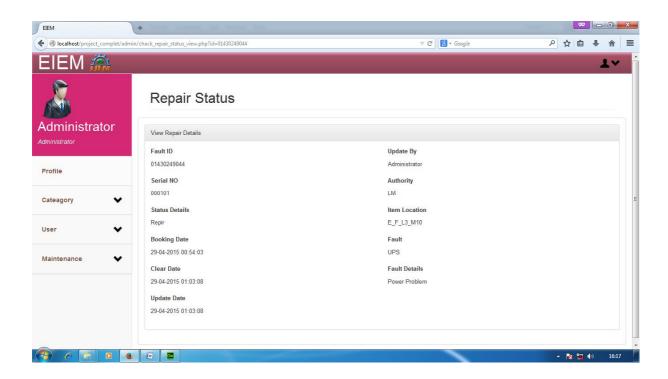
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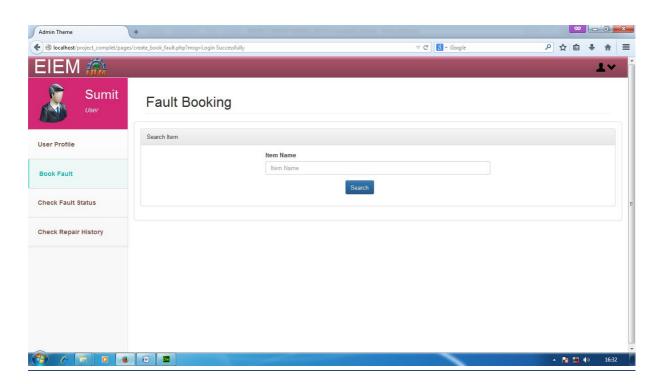
SCREEN SHOT OF REPAIR LIST:



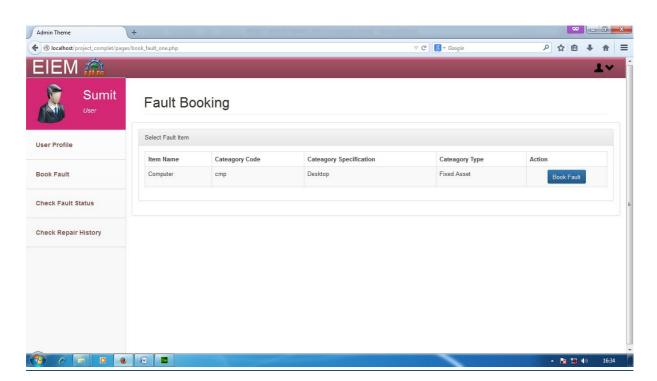
SCREEN SHOT OF REPAIR DETAILS:



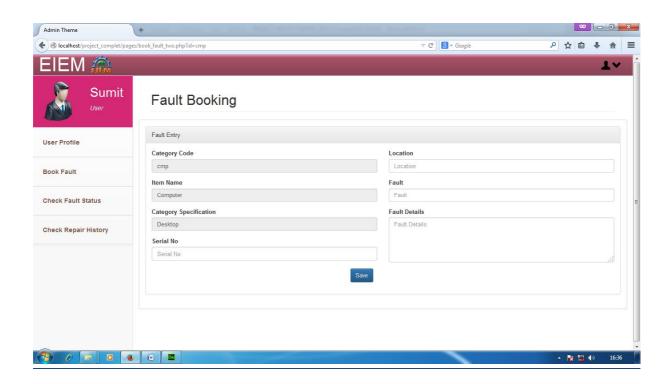
SCREEN SHOT OF FAULT BOOKING IN SEARCH ITEM:



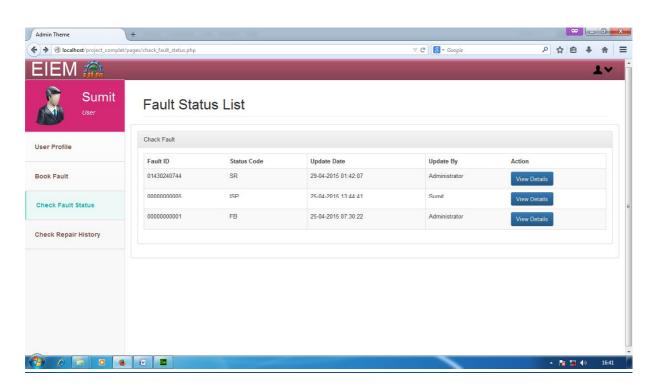
SCREEN SHOT OF FAULT BOOKING IN SELECT FAULT ITEM:



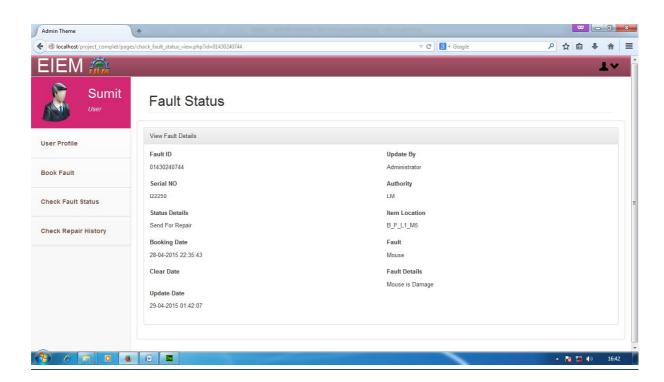
SCREEN SHOT OF FAULT BOOKING IN FAULT ENTRY:



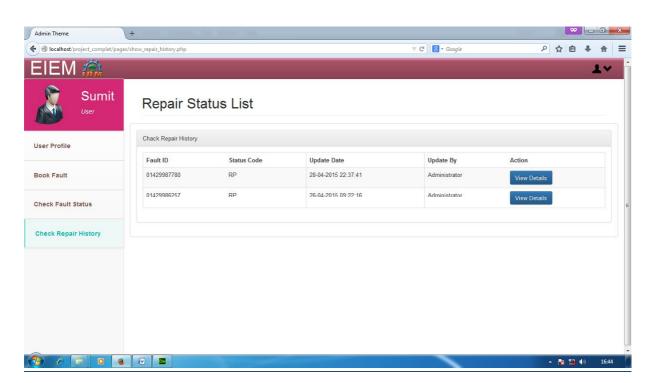
SCREEN SHOT OF FAULT STATUS CHECKING LIST:



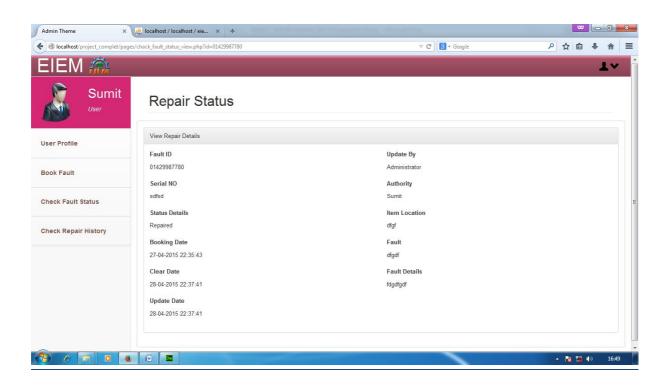
SCREEN SHOT OF FAULT STATUS DETAILS:



SCREEN SHOT OF REPAIR STATUS CHECKING LIST:



SCREEN SHOT OF REPAIR STATUS DETAILS:



CONCLUSION

The project Web Based Maintenance System is an automation system of the materials concerned with locating, maintaining, updating management of materials of laboratory of an organization.

The project coverage area is the locating and monitoring all the materials of laboratory then sending them for repairing if necessary. This system also can generate reports.

As a conclusion part it is clear that the applications of the software can be a very user friendly approach and can be a remedy of a tedious manual file management system.

LIMITATION OF THE PROJECT

There are some limitations in the project. The following are the limitations of the project

- ❖ Location details are not maintained, floor wise or building wise.
- Printed form reports are not maintained.
- ❖ Details of vendors are not maintained.
- ❖ No details of repair history are not maintained.

BIBLIOGRAPHY

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