

PRINCIPLES OF INTERNET PROGRAMMING (IT205N)

ASSIGNMENT 2

SESSION : JANUARY – APRIL 2018



SEGi
College
Penang

A member of
SEGi University Group

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Assignment Title	:	ASSIGNMENT 2 (GROUP ASSIGNMENT)
Name of Lecturer	:	MR ANG JIAN XIANG
Due Date	:	11 th April 2018, 6.00pm
College	:	SEGI COLLEGE, PENANG

Declaration by students:

We, NG YUAN SHEN, NICOLAS CHNG WEI LIANG, CHIN SEE YING, TAN CHONG HOW, hereby declare that the attached assignment is our own work and understand that if we are suspected of plagiarism or another form of cheating; our work will be referred to the lecturer who may, as a result recommend to the Examinations Board that my enrolment in the programme be discontinued.

18.4.18

Date

Signature of students



Assignment Allocation of Marks

No.	Description of criteria	Weightings	Marks Allotted by Lecturer
1	PART A	90%	
	Documentation:	35%	
	- Cover page, table of content	1%	
	- System wireframe	5%	
	- Interface design	5%	
	- Database design	15%	
	- System screenshots	5%	
	- References	2%	
	- Report formatting	2%	
	System:	55%	
	- Usability or Robustness	10%	
	- Adequacy/ Completeness	30%	
	- HCI Consideration	5%	
	- Error Handling/ Data Validation	5%	
	- Design Quality	5%	
2	PART B	10%	
	Presentation Skill	2%	
	Presentation Content (PowerPoint slides and system demonstration)	5%	
	Question and Answer (Q&A)	1%	
	Language	0.5%	
	Self-Confidence	0.5%	
	Team Work	1%	
	Total Mark	100%	
	Total Mark in 20%	20%	

Comment:



Lecturer's Name : Ang Jian Xiang
Date :

Team member name	Student Number	Individual overall work contribution (%)	Individual overall work contribution List of work	Signature
<i>Student:</i>				
Total (100%):				

Table of Content

No.	Title	Page
1.	Source Code	1 – 17
2.	System Wireframe	18 – 28
3.	Interface Design	29 – 36
4.	Database Design	37 – 38
5.	System Screenshots	39 – 54
6.	Presentation Slides	55 – 57
7.	Reference	58

PART A

Source Code

Index.php

```
<?php
session_start();
$_SESSION['islogin'] = null;

if(isset($_SESSION['kickOut'])){
    echo "<script type='text/javascript'>alert('Please login first');</script>";
}
require_once 'conn.php';
if(isset($_POST['sub'])){
    $email = htmlentities($_POST['uemail']);
    $password = $_POST['upassword'];

    $email = mysqli_real_escape_string($link,$email);
    $email = htmlentities($email, ENT_QUOTES, "UTF-8");
    $password = mysqli_real_escape_string($link,$password);
    $password = htmlentities($password, ENT_QUOTES, "UTF-8");

    $sql = "SELECT uid, fname, password, role, firstlogin, email
FROM user WHERE email='$email'";
    if($result = mysqli_query($link,$sql)){
        if(mysqli_num_rows($result) == 1){
            $row= mysqli_fetch_assoc($result);
            $hpass= $row['password'];
            if(password_verify($password,$hpass)){
                $_SESSION['islogin'] = "login";
                $_SESSION['loginUsername'] = $row['fname'];
                $_SESSION['userID'] = $row['uid'];
                $_SESSION['userPw'] = $row['password'];
                $_SESSION['role'] = $row['role'];
                $_SESSION['email'] = $row['email'];
                $_SESSION['firstlogin'] = $row['firstlogin'];
                $_SESSION['lastlogin'] = date("Y-m-d
h:i:s");
                if($row['firstlogin']){
                    if($row['role']){
                        header('Location: .'.'user.php');
                    }else{
                        header('Location:
'.'dashboard.php');
                    }
                }else{
                    header("Location: manage.php");
                }
            }else{
                echo "<script>alert('Wrong password please
try again')</script>";
            }
        }
    }
require './html/index.html';
?>
```

Dashboard.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';
    $sql = "SELECT COUNT(*) AS requestNo FROM request WHERE
rStatus='Pending' AND rDate<=now();";
    $result = mysqli_query($link,$sql);

    $sql1 = "SELECT COUNT(*) AS expiredItem FROM stock WHERE expire
<= CURDATE() AND sStatus=1";
    $result1 = mysqli_query($link,$sql1);

    $sql2 = "SELECT *, SUM(quantity) AS sum FROM
item,category,stock,measure WHERE item.iid=stock.iid AND
item.cid=category.cid AND item.mid=measure.mid AND expire>now() GROUP
BY iname";
    $result2 = mysqli_query($link,$sql2);

    $sql3 = "SELECT COUNT(*) As SRequest FROM requestsout
        JOIN item ON requestsout.iid=item.iid
        JOIN measure ON item.mid=measure.mid
        JOIN user ON requestsout.uid=user.uid
        WHERE sorStatus='Pending';";
    $result3 = mysqli_query($link,$sql3);

    $uid = $_SESSION['userID'];
    $sql6 = "SELECT * FROM user WHERE uid='$uid'";
    $result6 = mysqli_query($link,$sql6);

    //for monthly request
    $date = date_create("now");
    $date = date_format($date,"d");
    $onceOnly=0;
    $dateTdy = date('Y-m-d', strtotime('first day of this month'));
    if($date==1){
        $sql4 = "SELECT * FROM request WHERE monthly=1 AND
rStatus='Stocked Up'";
        $result4 = mysqli_query($link,$sql4);
        while($row = mysqli_fetch_assoc($result4)){
            if($row['rDate']==$dateTdy AND $onceOnly==0){
                echo "<br>".$row['rid'];
                $sql5 = "UPDATE request SET rStatus='Pending'";
                $result5 = mysqli_query($link,$sql5);
                $onceOnly = 1;
                header("Refresh:0");
            }
        }
    }

    require './html/dashboard.html';
?>addItem.php
<?php
session_start();
if(!isset($_SESSION['islogin'])){
    $_SESSION['kickOut'] = "kick";
    header('Location:index.php');
}
```

```

echo "<body></body>";
require_once 'conn.php';
$query = "SELECT * FROM category";
$result= mysqli_query($link,$query);
$sql = "SELECT * FROM measure";
$result4 = mysqli_query($link,$sql);

if(isset($_GET['rid'])){
    $rid = $_GET['rid'];
    $query1 = "SELECT * FROM category,item,request WHERE
category.cid=item.cid AND request.iid=item.iid AND
request.rid='$rid'";
    $result1 = mysqli_query($link,$query1);
    $query2 = "SELECT * FROM category,item,request WHERE
category.cid=item.cid AND request.iid=item.iid AND
request.rid='$rid'";
    $result2 = mysqli_query($link,$query2);
    $query3 = "SELECT * FROM item,request,measure WHERE
measure.mid=item.mid AND request.iid=item.iid AND
request.rid='$rid'";
    $result3 = mysqli_query($link,$query3);
}

if(isset($_POST['add'])){
    $item = $_POST['name'];
    $category = $_POST['category'];
    $measure = $_POST['measure'];
    $status = $_POST['status'];
    $query1 = "INSERT INTO item
VALUES(null,'$item','$category','$measure','$status')";
    // $query2 = "INSERT INTO stock SELECT
null,iid,0,expireDate FROM item";
    // & $itemresult2 = mysqli_query($link,$query2)
    if($itemresult1 = mysqli_query($link,$query1)){
        echo "<script>alert('Item has been added');</script>";
    }else{
        echo mysqli_error($link);
    }
}

require './html/additem.html';
?>

<?php
while($row = mysqli_fetch_assoc($result)) {
    echo "<option
value='".$row['cid']."'>".$row['cname']. "</option>";
}
?>

<?php
while($row1 = mysqli_fetch_assoc($result4)) {
    echo "<option
value='".$row1['mid']."'>".$row1['mname']. "</option>";
}

```

ItemEdit.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';
    $sql = "SELECT * FROM category";
    $result = mysqli_query($link,$sql);

    if(isset($_POST['add'])){
        $category = $_POST['category'];
        $status = $_POST['status'];
        $item = $_POST['item'];
        $item = mysqli_real_escape_string($link,$item);
        $item = htmlentities($item, ENT_QUOTES, "UTF-8");
        $sql2 = "SELECT i.iname,c.cname,m.mname,i.status,i.iid
                FROM item as i,`measure` as m,`category` as c
                WHERE i.cid = c.cid AND i.mid = m.mid AND
i.cid = c.cid AND i.mid = m.mid AND i.iname LIKE '%$item%' AND
i.cid='$category' AND i.status='$status'";
        $result2 = mysqli_query($link,$sql2);
        $row2 = mysqli_fetch_all($result2);
        foreach ($row2 as $r2=>$l2) {
            ($l2[3])? ($row2[$r2][3] = "Available") :
            ($row2[$r2][3] = "Unavailable");
        }
    }
    else{
        $sql2 = "SELECT i.iname,c.cname,m.mname,i.status,i.iid
FROM item as i,`measure` as m,`category` as c where i.cid = c.cid AND
i.mid = m.mid";
        $result2 = mysqli_query($link,$sql2);
        $row2 = mysqli_fetch_all($result2);
        foreach ($row2 as $r2=>$l2) {
            ($l2[3])? ($row2[$r2][3] = "Available") :
            ($row2[$r2][3] = "Unavailable");
        }
    }

    if(isset($_GET['id'])){
        $id = $_GET['id'];
        $sql3 = "DELETE FROM `item` WHERE `item`.`iid` = '$id'";
        if($result3 = mysqli_query($link,$sql3)){
            echo "<script>alert('data has been deleted');
                    window.location='itemEdit.php';
                </script>";
        }
    }

    require './html/itemEdit.html';
?>
```

itemEdit2.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';

    if(isset($_GET['id'])){
        $id = $_GET['id'];
        $item = mysqli_fetch_array(mysqli_query($link,"SELECT
`iname` FROM item WHERE iid='".$id.""));
        $cat = mysqli_fetch_all(mysqli_query($link,"SELECT
`cid`, `cname` FROM category"));
        $mea = mysqli_fetch_all(mysqli_query($link,"SELECT
`mid`, `mname` FROM measure"));
    }else{
        echo "<script>alert('Error! id not found');
location.assign('itemedit.php');
</script>";
    }
    if(isset($_POST['update'])){
        $id = $_GET['id'];
        $item = $_POST['item'];
        $item = mysqli_real_escape_string($link,$item);
        $item = htmlentities($item, ENT_QUOTES, "UTF-8");
        $info =
array($item,$_POST['cat'],$_POST['mea'],$_POST['status']);
        if(mysqli_query($link,"UPDATE item SET
`iname`='".$info[0]', `cid`='".$info[1]',
`mid`='".$info[2]', `status`='".$info[3]' WHERE `iid`='".$id."")){
            echo "<script>alert('update
successfully');location.assign('itemedit.php'); </script>";
        }else{
            echo mysqli_error($link);
        }
    }
    include 'html/itemEdit2.html';
?>
```

Stockedit.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';

    if(isset($_POST['search'])){
        $fname = $_POST['fname'];
        $fname = mysqli_real_escape_string($link,$fname);
        $fname = htmlentities($fname, ENT_QUOTES, "UTF-8");
        $date = $_POST['date'];
        $quan = $_POST['quan'];
        (($quan=="HL") ? $quan="DESC":$quan="ASC");
        (($date=="HL") ? $date="DESC":$date="ASC");
        $sql2 = "SELECT i.iname,s.quantity,s.expire, m.mname,
s.sStatus
                FROM stock as s, item as i, measure as m
                WHERE s.iid = i.iid AND i.mid = m.mid AND
i.iname LIKE '%$fname%'
                ORDER BY quantity $quan, expire $date;";
        $result2 = mysqli_query($link,$sql2);
    }
    else{
        $sql = "SELECT i.iname,s.quantity,s.expire, m.mname,
s.sStatus
                FROM stock as s, item as i, measure as m
                WHERE s.iid = i.iid AND i.mid = m.mid";
        $result = mysqli_query($link,$sql);
    }

    include 'html/stockEdit.html';
?>
```

Stock.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';

    if(isset($_POST['add'])){
        $item = $_POST['item'];
        $quantity = $_POST['quantity'];
        $exp = $_POST['exp'];
        $sql2 = "INSERT INTO stock VALUES (NULL, '$item',
'$quantity', '$exp', 1)";
        if($queryResult = mysqli_query($link, $sql2)){
            echo "<script>alert('Stock up
successful');</script>";
            header("refresh:0.001;url=stock.php");
        }
        else{
            echo "<script>alert('Failed');</script>";
        }
    }
?>
```

```

if(isset($_GET['rid'])){
    $rid = $_GET['rid'];
    $query1 = "SELECT * FROM item,request WHERE
request.iid=item.iid AND request.rid='$rid'";
    $result1 = mysqli_query($link,$query1);
    $query3 = "SELECT * FROM item,request WHERE
request.iid=item.iid AND request.rid='$rid'";
    $result3 = mysqli_query($link,$query3);
    $query5 = "SELECT * FROM item,request WHERE
request.iid=item.iid AND request.rid='$rid'";
    $result5 = mysqli_query($link,$query5);
    if(isset($_POST['add'])){
        while($row = mysqli_fetch_assoc($result5)){
            if(!$row['monthly']){
                $query2 = "UPDATE request SET
rStatus='Stocked Up' WHERE rid='$rid'";
                $result2 = mysqli_query($link,$query2);

                header("refresh:0.001;url=requestAdmin.php");
            }
            else{
                $nextMonth = date('Y-m-d',
strtotime('first day of next month'));
                $query6 = "UPDATE request SET
rStatus='Stocked Up',rDate='$nextMonth' WHERE rid='$rid'";
                $result6 = mysqli_query($link,$query6);

                header("refresh:0.001;url=requestAdmin.php");
            }
        }
    }
}

if(isset($_GET['iid'])){
    $iid = $_GET['iid'];
    $query4 = "SELECT * FROM item WHERE iid='$iid'";
    $result4 = mysqli_query($link,$query4);
}

$sql = "SELECT `iid`,`iname` FROM item";
if($result = mysqli_query($link,$sql)){
    while($row = mysqli_fetch_assoc($result)){
        $user[] = $row;
    }
}
require './html/stock.html';
?>
```

User.php

```
<?php
    include 'verficationEPUser.php';

    require_once 'conn.php';

    $uid = $_SESSION['userID'];
    $sql = "SELECT COUNT(*) AS requestNo FROM request WHERE
uid='$uid' AND monthly=0";
    $result = mysqli_query($link,$sql);
    $sql3 = "SELECT COUNT(*) AS requestNo FROM request WHERE
uid='$uid' AND monthly=1";
    $result3 = mysqli_query($link,$sql3);

    $sql1 = "SELECT COUNT(*) AS requestNo FROM requestsout WHERE
uid='$uid'";
    $result1 = mysqli_query($link,$sql1);

    $uid = $_SESSION['userID'];
    $sql2 = "SELECT * FROM user WHERE uid='$uid'";
    $result2 = mysqli_query($link,$sql2);
    require './html/user.html';
?>
```

addUser.php

```
<?php
include 'verficationEP.php';

echo "<body></body>";
require_once 'conn.php';

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\Exception;
require "./PHPMailer/vendor/autoload.php";
$mail = new PHPMailer();

if(isset($_POST['add'])){
    $passChar =
'0abc1def2ghi3ghi4jk15mno6pqr7vwx8yzA9BCDEFGHIJKLMNOPQRSTUVWXYZ';
    $passCharLength = strlen($passChar);
    $randomPass = '';
    for ($x = 0; $x < 13; $x++) {
        $randomPass .= $passChar[rand(0, $passCharLength - 1)];
    }
    $randomPassHashed = password_hash($randomPass,
PASSWORD_DEFAULT);
    $fullname = $_POST['fname'];
    $fullname = mysqli_real_escape_string($link,$fullname);
    $fullname = htmlentities($fullname, ENT_QUOTES, "UTF-8");
    $email = $_POST['email'];
    $role = $_POST['role'];
    $sql = "INSERT INTO user
VALUES(null,'$fullname','$randomPassHashed','$email','$role',false,no
w(),0)";
    if($result=mysqli_query($link,$sql)){

```

```

        echo "<script>alert('Added Successfully')</script>";

        try{
            // $mail->SMTPDebug = 2; //not nessasary ..

use to find our bug
            $mail->Host = "smtp.gmail.com";
            $mail->Port = 587;
            $mail->SMTPSecure = "tls"; //Enable TLS
encryption
            $mail->IsSMTP();
            $mail->SMTPAuth = true;

            $sender_email = "wayne.ng6010@gmail.com";
//Your gmail
            $mail->Username = $sender_email;
            $mail->Password = "wficihgrnrwatcth"; //Your
App Password

            $unameUpper = strtoupper($_POST['fname']);
            $fname = $_POST['fname'];
            $query1 = "SELECT email FROM user WHERE fname
= '$fname';";
            $result1 = mysqli_query($link,$query1);

            while($row1 = mysqli_fetch_assoc($result1)){
                $email = $row1['email'];
            }

            $to = $email; //Recipient's gmail
            $name = $fname; //Recipient's name
            $mail->From = $sender_email; //Sender's email
            $mail->FromName = "WAYNE NG"; //Sender's name
            $mail->AddAddress($to, $name);
            $mail->AddReplyTo($sender_email, "WAYNE NG");

            $query2 = "UPDATE user
SET password='$randomPassHashed'
WHERE fname = '$fname';";
            $result2 = mysqli_query($link,$query2);

            $content = "<img
src='https://i.imgur.com/0olwSPQ.png' width='100%'><div style=
'background-color:#f1f1f1; padding: 1rem 2rem; margin-top:1rem;font-
family:Segoe UI;'><p>Dear $fullname,</p> <p></p> <p>Here is your
account to login INVENTORY!</p> <p style='margin-left: 1rem'>User
name: <strong>$email</strong></p> <p style='margin-left:
1rem'>Password: <strong>&ampnbsp&ampnbsp$randomPass</strong></p> <span
style='background: #000; font-size: 12px; color:#fff;'>* Please do
not leak out your account.</span><br><br>Enjoy!<br>The Inventory Team
</div> <br>";

            $mail->isHTML(true);
            $mail->WordWrap = 50;
            $mail->Subject = "Inventory System
Registration";
            $mail->Body = $content;

            if($mail->Send()){
                echo '<script language="javascript">';

```

```

        echo 'alert("Email successfully
sent")';
                echo '</script>';
            }
        }
    catch (Exception $e){
        echo "Email could not be sent.<br>";
        echo "Mailer Error: " . $email->ErrorInfor;
    }
}

else{
    echo "<script>alert('Email has been registered
before')</script>";
    echo "<body></body>";
    require_once 'conn.php';
    if(isset($_POST['add'])){
        $fullname = $_POST['fname'];
        $password =
password_hash('abc123',PASSWORD_DEFAULT);
        $email = $_POST['email'];
        $role = $_POST['role'];
        $sql = "INSERT INTO user
VALUES(null,'$fullname','$password','$email','$role',false,NOW(),0)";
        if($result=mysqli_query($link,$sql)){
            echo "<script>alert('Added
Successfully')</script>";
        }else{
            echo
"<script>alert('".mysqli_error($link)."')</script>";
        }
    }
}
require './html/addUser.html';

?>

```

UserEdit.php

```

<?php
    include 'verficationEP.php';
    require_once 'conn.php';
    $sql = "SELECT * FROM user";
    $result = mysqli_query($link,$sql);

    if(isset($_POST['searchUser'])){
        $role = $_POST['role'];
        $fname = $_POST['fname'];
        $fname = mysqli_real_escape_string($link,$fname);
        $fname = htmlentities($fname, ENT_QUOTES, "UTF-8");
        $sql2 = "SELECT *
                  FROM user
                  WHERE fname LIKE '%$fname%' AND
role='$role'";
        $result2 = mysqli_query($link,$sql2);
    }

    if(isset($_GET['id'])){

```

```

        $id = $_GET['id'];
        $sql13 = "DELETE FROM user WHERE uid='$id';";
        if($itemresult1 = mysqli_query($link,$sql13)){
            echo "<script>alert('User has been
removed');location.assign(userEdit.php);</script>";
        }else{
            echo mysqli_error($link);
        }
    }

    require './html/userEdit.html';
?>

```

Manage.php

```

<?php
    session_start();
    if(!isset($_SESSION['islogin']) && $_SESSION['firstlogin']==0){
        $_SESSION['kickOut'] = "kick";
        header('Location:index.php');
    }

    header('location:managepassword.php');
?>

```

Managepassword.php

```

<?php
    session_start();
    if(!isset($_SESSION['islogin'])){
        header('Location:index.php');
    }
    if(isset($_SESSION['kickOut'])){
        echo "<script>alert('You have to change your password
before you can access to the system')</script>";
    }

    require_once 'conn.php';
    $sql = "SELECT * FROM user WHERE uid = '$_SESSION(userID)'";
    $result = mysqli_query($link,$sql);
    $result1 = mysqli_query($link,$sql);
    $result3 = mysqli_query($link,$sql);

    if(isset($_POST['chgPW'])){
        $oldPw = $_POST['oldPw'];
        $newPw = $_POST['newPw'];
        $newPw2 = $_POST['newPw2'];

        if(! (password_verify($oldPw, $_SESSION['userPw']))){
            echo "<script>alert('Password
incorrect');</script>";
        }
        else if($newPw != $newPw2){
            echo "<script>alert('New password not
match');</script>";
        }
        else{

```

```

$newHashPw = password_hash($newPw, PASSWORD_DEFAULT);
$_SESSION['userPw'] = $newHashPw;
$sql2 = "UPDATE user
          SET password ='$newHashPw'
          WHERE uid = '".$_SESSION['userID']."' ;
$result2 = mysqli_query($link,$sql2);
echo "<script>alert('New password is set');</script>";
$sql3 = mysqli_query($link,"UPDATE user SET firstlogin=1
WHERE uid = '".$_SESSION['userID']."' );
$_SESSION['firstlogin'] = 1;
while($row = mysqli_fetch_assoc($result3)) {
    if(!$row['firstlogin']){
        header('location:redirectFromManage.php');
    }
}
}
}

require './html/managepassword.html';

?>

```

redirectFormManage.php

```

<?php
session_start();
if($_SESSION['role']){
    header('Location:user.php');
}
else{
    header('Location:dashboard.php');
}
?>

```

Request.php

```

<?php
include 'verficationEPUser.php';

require_once 'conn.php';
$sql = "SELECT * FROM item WHERE status=1";
$result = mysqli_query($link,$sql);
$sql1 = "SELECT * FROM measure";
$result1 = mysqli_query($link,$sql1);

if(isset($_POST['request'])){
    $itemName = $_POST['itemName'];
    $quantity = $_POST['quantity'];
    $purpose = $_POST['purpose'];
    $purpose = mysqli_real_escape_string($link,$purpose);
    $purpose = htmlentities($purpose, ENT_QUOTES, "UTF-8");
    if(isset($_POST['monthly'])){
        $monthly = $_POST['monthly'];
    }
    $uid = $_SESSION['userID'];

    if(isset($_POST['monthly'])){


```

```

        $date = date('Y-m-d', strtotime('first day of next
month'));
        $sql2 = "INSERT INTO request VALUES
(null,'$uid','$itemName','$quantity','$purpose','$date','Pending',1)"
;
        if ($result2 = mysqli_query($link,$sql2)){
            echo "<script>alert('Request has been
sent');</script>";
            echo "<script>alert('Your request should be
valid on the beginning of next month');</script>";
        }
        else{
            $sql2 = "INSERT INTO request VALUES
(null,'$uid','$itemName','$quantity','$purpose',now(),'Pending',0)";
            if ($result2 = mysqli_query($link,$sql2)){
                echo "<script>alert('Request has been
sent');</script>";
            }
        }
    }

    require './html/request.html';
?>
```

sorequestAdmin.php

```

<?php
    include 'verficationEP.php';

    $uid = $_SESSION['userID'];

    require_once 'conn.php';

    $sql = "SELECT * FROM requestsout
            JOIN item ON requestsout.iid=item.iid
            JOIN measure ON item.mid=measure.mid
            JOIN user ON requestsout.uid=user.uid";
    $result = mysqli_query($link,$sql);

    require './html/sorequestAdmin.html';
?>
```

requestStockOut.php

```

<?php
    include 'verficationEPUser.php';

    require_once 'conn.php';
    $sql = "SELECT * FROM item WHERE status=1";
    $result = mysqli_query($link,$sql);
    $sql1 = "SELECT * FROM measure";
    $result1 = mysqli_query($link,$sql1);

    if(isset($_POST['request'])){
        $itemName = $_POST['itemName'];
    }
```

```

$quantity = $_POST['quantity'];
$purpose = $_POST['purpose'];
$purpose = mysqli_real_escape_string($link,$purpose);
$purpose = htmlentities($purpose, ENT_QUOTES, "UTF-8");
$uid = $_SESSION['userID'];

$sql2 = "INSERT INTO requestsout VALUES
(null,'$uid','$itemName','$quantity','$quantity','$purpose',now(),'Pending')";
if ($result2 = mysqli_query($link,$sql2)){
    echo "<script>alert('Request has been
sent');</script>";
}

require './html/requestStockOut.html';
?>

```

itemStockOut.php

```

<?php
    include 'verficationEPUser.php';

    require once 'conn.php';
    $uid = $_SESSION['userID'];
    $sql = "SELECT * FROM requestsout JOIN item ON
requestsout.iid=item.iid JOIN measure ON item.mid=measure.mid WHERE
uid='$uid'";
    $result = mysqli_query($link,$sql);

    require './html/itemStockOut.html';
?>

```

stockOutReport.php

```

<?php
    include 'verficationEP.php';

    require_once 'conn.php';
    $sql = "SELECT * FROM soreport,user,requestsout,measure,item
WHERE requestsout.sorid=soreport.sorid AND measure.mid=item.mid AND
user.uid=requestsout.uid AND item.iid=requestsout.iid ORDER BY
iname";
    $result = mysqli_query($link,$sql);

    $sql1 = "SELECT SUM(quantity) As total,iname,mname FROM (SELECT
DISTINCT sid, iname,quantity,mname,expire FROM
stock,item,requestsout,soreport,measure WHERE
requestsout.sorid=soreport.sorid AND measure.mid=item.mid AND
item.iid=requestsout.iid AND requestsout.iid=stock.iid AND
expire>now()) As t GROUP BY iname";
    $result1 = mysqli_query($link,$sql1);

    if(isset($_POST['search'])) {

```

```

        $date = $_POST['date'];
        $quan = $_POST['quan'];
        $item = $_POST['item'];
        $item = mysqli_real_escape_string($link,$item);
        $item = htmlentities($item, ENT_QUOTES, "UTF-8");
        $date = date("Y-m-d", strtotime($date));
        (($quan=="HL") ? $quan="DESC":$quan="ASC");
        $sql2 = "SELECT * FROM
soreport,user,requestsout,measure,item WHERE
requestsout.sorid=soreport.sorid AND measure.mid=item.mid AND
user.uid=requestsout.uid AND item.iid=requestsout.iid AND item.iname
LIKE '%$item%' AND stockoutDate='$date' ORDER BY stockoutQuan $quan";
        $result2 = mysqli_query($link,$sql2);
    }

        require './html/stockOutReport.html';
?>

```

Item.php

```

<?php
    include 'verficationEPUser.php';

    require once 'conn.php';
    $uid = $_SESSION['userID'];
    $sql = "SELECT * FROM request JOIN item ON request.iid=item.iid
JOIN measure ON item.mid=measure.mid WHERE monthly=0 AND uid='$uid'";
    $result = mysqli_query($link,$sql);
    $sql1 = "SELECT * FROM request JOIN item ON
request.iid=item.iid JOIN measure ON item.mid=measure.mid WHERE
monthly=1 AND uid='$uid'";
    $result1 = mysqli_query($link,$sql1);

    require './html/item.html';
?>

```

LowstockItem.php

```

<?php
    include 'verficationEP.php';

    require once 'conn.php';
    $sql = "SELECT *, SUM(quantity) AS sum FROM
item,category,stock,measure WHERE item.iid=stock.iid AND
item.cid=category.cid AND item.mid=measure.mid AND expire>now() GROUP
BY iname";
    $result = mysqli_query($link,$sql);

    require './html/lowStockItem.html';
?>

```

Logout.php

```
<?php
    session_start() ;
    $id = $_SESSION['userID'];
    require_once 'conn.php';
    $loginrecord = mysqli_query($link,"UPDATE user SET
`lastlogin`=NOW() WHERE `uid`='$id'");
    session_destroy() ;
    header('Location:index.php');
?>
```

verficationEP.php

```
<?php
    session_start();
    if(!isset($_SESSION['islogin'])){
        $_SESSION['kickOut'] = "kick";
        header('Location:index.php');
    }

    if($_SESSION['role']!=0){
        echo "<script>alert('Access Denied. You are not
authorized to access to that page.')</script>";
        header("refresh:0.001;url=user.php");
    }

    if($_SESSION['firstlogin']==0){
        $_SESSION['kickOut'] = "kick";
        header('Location:manage.php');
    }
?>
```

expiredStock.php

```
<?php
    include 'verficationEP.php';

    require_once 'conn.php';

    $sql1 = "SELECT * FROM item,category,stock,measure WHERE
item.iid=stock.iid AND item.cid=category.cid AND item.mid=measure.mid
AND expire <= CURDATE()";
    $result1 = mysqli_query($link,$sql1);

    if(isset($_GET['sid'])){
        $sid=$_GET['sid'];
        $sql2 = "UPDATE stock SET sStatus=0 WHERE sid='$sid'";
        $result2 = mysqli_query($link,$sql2);
        header("Location:expiredStock.php");
    }

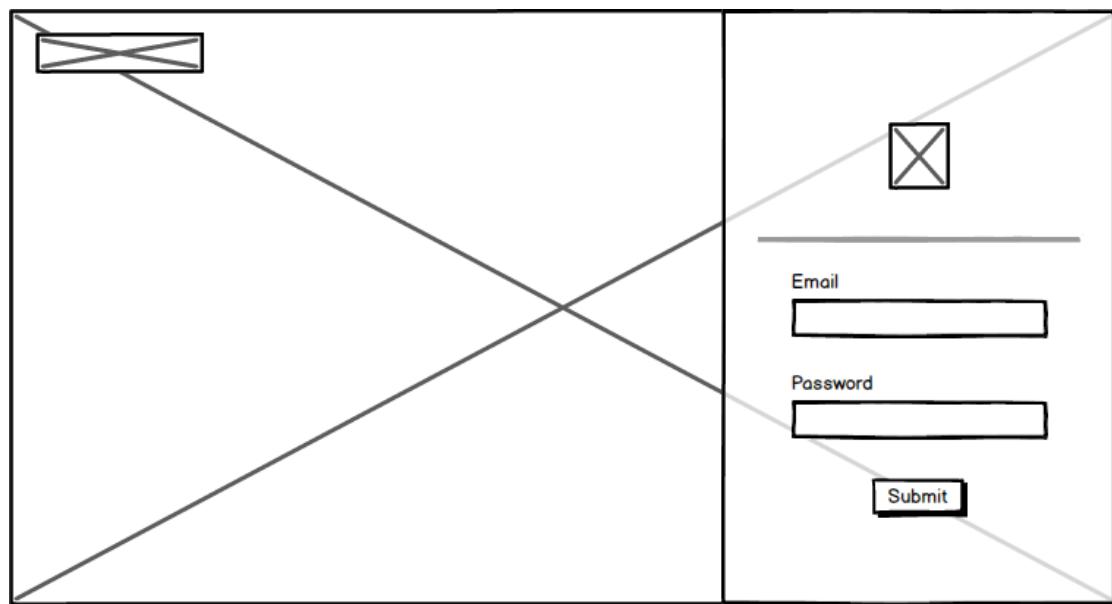
    require './html/expiredStock.html';
?>
```

Conn.php

```
<?php
    $link = mysqli_connect('localhost','root','','poip2');
    if(!$link)
        die('connection Error').mysqli_connect_error();
?>
```

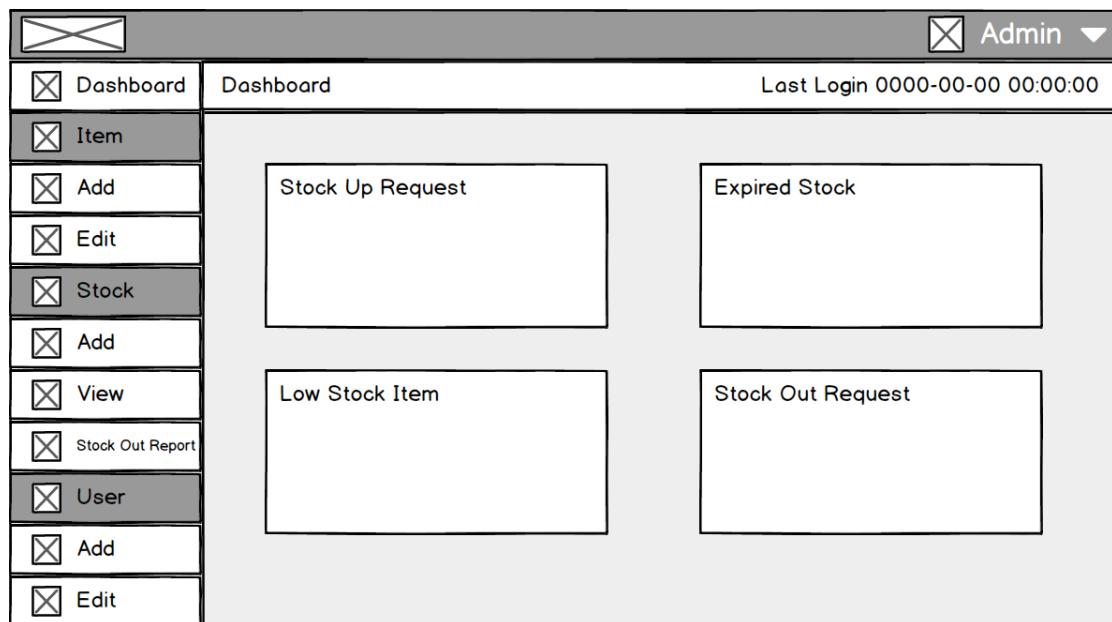
System Wireframe

Login Page



A wireframe diagram of a login page. It features a large rectangular area on the left and a smaller rectangular area on the right. In the top-left corner of the left area is a small rectangle containing an 'X'. A thick black 'X' is drawn across both areas. In the right area, there is a top-level 'X' symbol. Below it are two input fields labeled 'Email' and 'Password', each with a corresponding horizontal line below it. At the bottom right of the right area is a rectangular button labeled 'Submit'.

Admin Page



A wireframe diagram of an Admin Page. The interface includes a header bar with a close button, the title 'Admin', and a dropdown arrow. On the far left is a vertical sidebar with ten items, each preceded by a checkbox icon: Dashboard, Item, Add, Edit, Stock, View, Stock Out Report, User, Add, and Edit. The 'Item' and 'Stock' items are highlighted with a grey background. The main content area has four rectangular boxes arranged in a 2x2 grid. The top-left box is labeled 'Stock Up Request'. The top-right box is labeled 'Expired Stock'. The bottom-left box is labeled 'Low Stock Item'. The bottom-right box is labeled 'Stock Out Request'.

Admin

<input checked="" type="checkbox"/> Dashboard	Stock Up Request						
<input checked="" type="checkbox"/> Item							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> Edit							
<input checked="" type="checkbox"/> Stock							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> View							
<input checked="" type="checkbox"/> Stock Out Report							
<input checked="" type="checkbox"/> User							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> Edit							

Urgent Request

Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Stock Up						

Monthly Request

Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Stock Up						

Admin

<input checked="" type="checkbox"/> Dashboard	Expired Stock						
<input checked="" type="checkbox"/> Item							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> Edit							
<input checked="" type="checkbox"/> Stock							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> View							
<input checked="" type="checkbox"/> Stock Out Report							
<input checked="" type="checkbox"/> User							
<input checked="" type="checkbox"/> Add							
<input checked="" type="checkbox"/> Edit							

Item Name Category Quantity Expired Date Availability Action

					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>
					<input checked="" type="checkbox"/>

Admin ▾

<input type="checkbox"/> Dashboard	Low Stock Item				
<input type="checkbox"/> Item					
<input type="checkbox"/> Add	Item Name	Category	Quantity	Expired Date	Action
<input type="checkbox"/> Edit	Stock Up				
<input type="checkbox"/> Stock	Stock Up				
<input type="checkbox"/> Add	Stock Up				
<input type="checkbox"/> View					
<input type="checkbox"/> Stock Out Report					
<input type="checkbox"/> User					
<input type="checkbox"/> Add					
<input type="checkbox"/> Edit					

Admin ▾

<input type="checkbox"/> Dashboard	Stock Out Request				
<input type="checkbox"/> Item					
<input type="checkbox"/> Add	Item Name	Quantity	Requested By	Purpose	Requested Date
<input type="checkbox"/> Edit	Stock Out				
<input type="checkbox"/> Stock	Stock Out				
<input type="checkbox"/> Add	Stock Out				
<input type="checkbox"/> View					
<input type="checkbox"/> Stock Out Report					
<input type="checkbox"/> User					
<input type="checkbox"/> Add					
<input type="checkbox"/> Edit					

Admin

<input checked="" type="checkbox"/> Dashboard	Item
<input checked="" type="checkbox"/> Item	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	
<input checked="" type="checkbox"/> Stock	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> View	
<input checked="" type="checkbox"/> Stock Out Report	
<input checked="" type="checkbox"/> User	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	

Item Name

Category

Unit of Measurement

Status Available Unavailable

Admin

<input checked="" type="checkbox"/> Dashboard	Edit
<input checked="" type="checkbox"/> Item	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	
<input checked="" type="checkbox"/> Stock	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> View	
<input checked="" type="checkbox"/> Stock Out Report	
<input checked="" type="checkbox"/> User	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	

Category: Apparatus Consumable Equipment Reagent

Status: Available Unavailable

Item Name	Category	Unit of Measurement	Status	Action
				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Admin ▾

<input checked="" type="checkbox"/> Dashboard	Edit
<input checked="" type="checkbox"/> Item	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	
<input checked="" type="checkbox"/> Stock	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> View	
<input checked="" type="checkbox"/> Stock Out Report	
<input checked="" type="checkbox"/> User	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	

Item Name

Category

Unit of Measurement

Status Available Unavailable

Admin ▾

<input checked="" type="checkbox"/> Dashboard	Stock Up
<input checked="" type="checkbox"/> Item	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	
<input checked="" type="checkbox"/> Stock	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> View	
<input checked="" type="checkbox"/> Stock Out Report	
<input checked="" type="checkbox"/> User	
<input checked="" type="checkbox"/> Add	
<input checked="" type="checkbox"/> Edit	

Item Name

Quantity 3

Expire Date / /

Admin

<input type="checkbox"/> Dashboard	View Stock		
<input type="checkbox"/> Item			
<input type="checkbox"/> Add			
<input type="checkbox"/> Edit			
<input type="checkbox"/> Stock			
<input type="checkbox"/> Add			
<input type="checkbox"/> View			
<input type="checkbox"/> Stock Out Report			
<input type="checkbox"/> User			
<input type="checkbox"/> Add			
<input type="checkbox"/> Edit			

Sort By Quantity: High to Low Low to High
 Sort By Expire Date: High to Low Low to High

Item Name	Quantity	Expire Date	Status

Admin

<input type="checkbox"/> Dashboard	Stock Out Report		
<input type="checkbox"/> Item			
<input type="checkbox"/> Add			
<input type="checkbox"/> Edit			
<input type="checkbox"/> Stock			
<input type="checkbox"/> Add			
<input type="checkbox"/> View			
<input type="checkbox"/> Stock Out Report			
<input type="checkbox"/> User			
<input type="checkbox"/> Add			
<input type="checkbox"/> Edit			

Date: / Sort By Quantity: High to Low Low to High

Item Name	Quantity	Requested By	Stock Out Date

Summary Section

Item Name	Remaining Quantity

Admin ▾

<input type="checkbox"/> Dashboard	User
<input type="checkbox"/> Item	
<input type="checkbox"/> Add	
<input type="checkbox"/> Edit	
<input type="checkbox"/> Stock	
<input type="checkbox"/> Add	
<input type="checkbox"/> View	
<input type="checkbox"/> Stock Out Report	
<input type="checkbox"/> User	
<input type="checkbox"/> Add	
<input type="checkbox"/> Edit	

Full Name

Email

Role

Admin ▾

<input type="checkbox"/> Dashboard	Edit
<input type="checkbox"/> Item	
<input type="checkbox"/> Add	
<input type="checkbox"/> Edit	
<input type="checkbox"/> Stock	
<input type="checkbox"/> Add	
<input type="checkbox"/> View	
<input type="checkbox"/> Stock Out Report	
<input type="checkbox"/> User	
<input type="checkbox"/> Add	
<input type="checkbox"/> Edit	

Role Admin User

Full Name	Email	Role	Date Created	Action
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>

The screenshot shows a software interface with a sidebar on the left and a main editing area on the right.

Left Sidebar (Vertical List):

- Dashboard
- Item
- Add
- Edit
- Stock
- Add
- View
- Stock Out Report
- User
- Add
- Edit

Main Area (Title: Edit):

Full Name: [Text Input Field] [Dropdown]

Email: [Text Input Field]

Role: Admin User

Buttons:

- Update

User Page

<input checked="" type="checkbox"/> Navigation	User	Last Login 0000-00-00 00:00:00
<input checked="" type="checkbox"/> Home	Requested Stock Up Item	
<input checked="" type="checkbox"/> Item Stock Up	Number (description)	
<input checked="" type="checkbox"/> Stock Up Request		
<input checked="" type="checkbox"/> Request History		
<input checked="" type="checkbox"/> Item Stock Out	Requested Stock Out Item	
<input checked="" type="checkbox"/> Stock Out Request	Number	
<input checked="" type="checkbox"/> Request History		

<input checked="" type="checkbox"/> Navigation	Requested Stock Up Item		
<input checked="" type="checkbox"/> Home	Urgent Request		
<input checked="" type="checkbox"/> Item Stock Up	Item Name	Quantity	Requested Date
<input checked="" type="checkbox"/> Stock Up Request			
<input checked="" type="checkbox"/> Request History			
<input checked="" type="checkbox"/> Item Stock Out	Monthly Request		
<input checked="" type="checkbox"/> Stock Out Request	Item Name	Quantity	Request For
<input checked="" type="checkbox"/> Request History			

User ▼

Navigation	Requested Stock Out Item			
	Item Name	Quantity	Requested Date	Status
<input checked="" type="checkbox"/> Home				
<input checked="" type="checkbox"/> Item Stock Up				
<input checked="" type="checkbox"/> Stock Up Request				
<input checked="" type="checkbox"/> Request History				
<input checked="" type="checkbox"/> Item Stock Out				
<input checked="" type="checkbox"/> Stock Out Request				
<input checked="" type="checkbox"/> Request History				

User ▼

Navigation	Item Stock Up Request Form		
<input checked="" type="checkbox"/> Home	Item Name	<input type="text"/>	
<input checked="" type="checkbox"/> Item Stock Up	Quantity	<input type="text"/>	
<input checked="" type="checkbox"/> Stock Up Request	Purpose	<input type="text"/>	
<input checked="" type="checkbox"/> Request History	Monthly Request	<input type="checkbox"/>	<input type="button" value="Request"/>
<input checked="" type="checkbox"/> Item Stock Out			
<input checked="" type="checkbox"/> Stock Out Request			
<input checked="" type="checkbox"/> Request History			

The screenshot shows a window titled "Item Stock Out Request Form". In the top right corner, there is a dropdown menu labeled "User". On the left side, a vertical navigation bar lists several options: "Navigation", "Home", "Item Stock Up" (which is selected), "Stock Up Request", "Request History", "Item Stock Out" (which is selected), "Stock Out Request", and "Request History". The main content area contains three input fields: "Item Name" with a dropdown arrow, "Quantity" with a horizontal input field, and "Purpose" with a horizontal input field. A "Request" button is located at the bottom right of the input area.

Manage Account

The screenshot shows a window titled "Change Password". On the left, a sidebar contains "Full Name", "Email", "Password" (selected), "Back To Dashboard", and "Logout". The main content area is titled "Change Password" and contains four input fields under the heading "Password": "Old Password", "New Password", "Confirm New Password", and a "Save" button.

Interface Design

Login Page



Admin Page

localhost/poip2/requestAdmin.php

The admin dashboard features a sidebar with icons for Dashboard, Item (Add, Edit), Stock (Add, View), User (Add, Edit), and a Stock Out Report link. The main area shows four cards: 'Stock Up Request' (1), 'Expired Stock' (2), 'Low Stock Item' (1), and 'Stock Out Request' (1).

Urgent Request						
Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Bunsen Burner	10.00 unit	user	Nothing	2018-04-20	Pending	Stock Up

The Stock Up Request details page shows a table for 'Urgent Request' with one row and a message 'No request at this moment' for 'Monthly Request'.

Urgent Request						
Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Bunsen Burner	10.00 unit	user	Nothing	2018-04-20	Pending	Stock Up

No request at this moment

Inventory		Secure your database					
		ADMIN ▾					
 Dashboard  Item  Add  Edit  Stock  Add  View  Stock Out Report  User  Add  Edit	Expired Stock						
	Item Name	Category	Quantity	Expired Date	Availability	Action	
	Sodium	Reagent	100 ml	2018-04-16	Available		
	Mercury	Reagent	100 L	2018-04-16	Available		

Inventory		Secure your database					
		ADMIN ▾					
 Dashboard  Item  Add  Edit  Stock  Add  View  Stock Out Report  User  Add  Edit	Low Stock Item						
	Item Name	Category	Quantity	Expired Date	Action		
	Chloride	Reagent	10 L (Total)	2018-04-30	Stock Up		

Inventory		Secure your database					
		ADMIN ▾					
 Dashboard  Item  Add  Edit  Stock  Add  View  Stock Out Report  User  Add  Edit	Stock Out Request						
	Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
	Alcohol Pad	10.00 pcs	user	Nothing	2018-04-20	Pending	Stock Out

Inventory Secure your database

ADMIN ▾

Item

Item Name	<input type="text"/>
Category	Apparatus
Unit of measurement	L
Status	<input checked="" type="radio"/> Available <input type="radio"/> Unavailable
<input type="button" value="Submit"/>	

Inventory Secure your database

ADMIN ▾

Edit

Category:	<input checked="" type="radio"/> Apparatus	<input type="radio"/> Consumable	<input type="radio"/> Equipment	<input type="radio"/> Reagent
Status:	<input checked="" type="radio"/> Available	<input type="radio"/> Unavailable	<input type="text"/> Search	
Item Name	Catgerory	Unit of measurement	Status	Action
Bunsen Burner	Apparatus	unit	Available	
Retort Stand	Apparatus	L	Unavailable	
Aqua	Consumable	ml	Available	
Alcohol Pad	Equipment	pcs	Available	
Sodium	Reagent	ml	Available	
Mercury	Reagent	L	Unavailable	
Chloride	Reagent	L	Available	

Inventory Secure your database

ADMIN ▾

Edit

Item Name	<input type="text" value="Bunsen Burner"/>
Catgerory	Apparatus
Unit of measurement	L
Status	<input checked="" type="radio"/> Available <input type="radio"/> Unavailable
<input type="button" value="Update"/>	

Inventory Secure your database

ADMIN ▾

Stock Up

Item Name	Bunsen Burner
Quantity	<input type="text"/>
Expiry date	<input type="text"/> dd/mm/yyyy
<input type="button" value="Submit"/>	

Inventory Secure your database

ADMIN ▾

Edit

Search			
Item name	Quantity	Expire Date	
Bunsen Burner	100 unit	2018-04-30	
Alcohol Pad	100 pcs	2018-05-01	
Aqua	100 ml	2018-04-30	
Sodium	100 ml	2018-04-16	
Mercury	100 L	2018-04-16	
Aqua	15 ml	2018-04-30	
Chloride	10 L	2018-04-30	
Bunsen Burner	5 unit	2018-04-22	

Inventory Secure your database

ADMIN ▾

Stock Out Report

Date:	<input type="text"/> dd/mm/yyyy		
Sort By Quantity:	<input checked="" type="radio"/> High to Low <input type="radio"/> Low to High		
<input type="button" value="Search"/>			
Item name	Quantity	Requested By	Stock Out Date
Bunsen Burner	10.00 unit	user	2018-04-20

Summary Section

Item Name	Remaining Quantity
Bunsen Burner	105 unit

Inventory Secure your database

ADMIN ▾

User

Full Name	<input type="text"/>
Email	<input type="text"/>
Role	Admin <input type="button" value="▼"/>
<input type="button" value="Submit"/>	

Inventory Secure your database

ADMIN ▾

Edit

Role:		<input checked="" type="radio"/> Admin	<input type="radio"/> User	<input type="text"/>	<input type="button" value="Search"/>
Full Name	Email	Role	Date created	Action	
Admin	Admin	Admin	2018-04-20 23:47:13		
user	user	User	2018-04-20 23:45:52		
Ng Yuan Shen	wayne.ng6010@gmail.com	User	2018-04-20 23:33:48		

Inventory Secure your database

ADMIN ▾

Edit

Full Name	<input type="text" value="Admin"/>
Email	<input type="text" value="Admin"/>
Role	<input checked="" type="radio"/> Admin <input type="radio"/> User
<input type="button" value="Update"/>	

User Page

The screenshot shows the User Page of a web application. The left sidebar contains a navigation menu with icons and labels: Home, Item Stock Up, Stock Up Request, Request History, Item Stock Out, Stock Out Request, and Request History. The main content area is titled "User". It displays two sections: "Requested Stock Up Item" and "Requested Stock Out Item". The "Requested Stock Up Item" section shows a count of "2 (Excluding 1 monthly request)". The "Requested Stock Out Item" section shows a count of "2". The top right corner shows the user status "User" and the last login time "Last Login 2018-04-20 23:45:52".

This screenshot shows the "Requested Stock Up Item" details page. The left sidebar is identical to the previous screenshot. The main content area is titled "Requested Stock Up Item". It contains two tables: "Urgent Request" and "Monthly Request".

Urgent Request			
Item Name	Quantity	Requested Date	Status
Bunsen Burner	10.00 unit	2018-04-20	Pending
Bunsen Burner	10.00 unit	2018-04-20	Stocked Up

Monthly Request			
Item Name	Quantity	Request For	Status
Sodium	10.00 ml	May	Pending

This screenshot shows the "Requested Stock Out Item" details page. The left sidebar is identical to the previous screenshots. The main content area is titled "Requested Stock Out Item". It contains a single table.

Item Name	Quantity	Requested Date	Status
Alcohol Pad	10.00 pcs	2018-04-20	Pending
Bunsen Burner	10.00 unit	2018-04-20	Stocked Out

Inventory
Secure your database

User ▾

Navigation

- Home
- Item Stock Up
- Stock Up Request
- Request History
- Item Stock Out
- Stock Out Request
- Request History

Item Stock Up Request Form

Item Name	Bunsen Burner
Quantity	<input type="text"/>
Purpose	<input type="text"/>
Monthly Request	<input type="checkbox"/>
Request	

Inventory
Secure your database

User ▾

Navigation

- Home
- Item Stock Up
- Stock Up Request
- Request History
- Item Stock Out
- Stock Out Request
- Request History

Item Stock Out Request Form

Item Name	Bunsen Burner
Quantity	<input type="text"/>
Purpose	<input type="text"/>
Request	

Manage Account

The screenshot shows a user management interface. On the left, there is a sidebar with a user profile icon (a person in a suit), the text "user" and "user", and three navigation links: "Password" (with a key icon), "Back To Dashboard" (with a house icon), and "Logout" (with a door icon).

The main area is titled "Change Password". It contains a "Password" section with three input fields: "Old Password", "New Password", and "Confirm New Password". Below these fields is a blue "Save" button.

Database Design

Table: category

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	cid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique Index Spatial ▾ More
2	cname	varchar(20)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index Spatial ▾ More

Table: Item

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	iid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique Index Spatial ▾ More
2	iname	varchar(30)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index Spatial ▾ More
3	cid	int(11)			No	None			Change Drop Primary Unique Index Spatial ▾ More
4	mid	int(11)			No	None			Change Drop Primary Unique Index Spatial ▾ More
5	status	tinyint(1)			No	None			Change Drop Primary Unique Index Spatial ▾ More

Table: measure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	mid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique Index Spatial ▾ More
2	mname	varchar(30)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index Spatial ▾ More

Table: Request

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	rid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique ▾ More
2	uid	int(11)			No	None			Change Drop Primary Unique ▾ More
3	iid	int(11)			No	None			Change Drop Primary Unique ▾ More
4	quantity	decimal(11,2)			No	None			Change Drop Primary Unique ▾ More
5	purpose	longtext	latin1_swedish_ci		No	None			Change Drop Primary Unique ▾ More
6	rDate	date			Yes	NULL			Change Drop Primary Unique ▾ More
7	rStatus	text	latin1_swedish_ci		No	None			Change Drop Primary Unique ▾ More
8	monthly	tinyint(1)			No	0			Change Drop Primary Unique ▾ More

Table: requestsout

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	sorid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique ▾ More
2	uid	int(11)			No	None			Change Drop Primary ▾ More
3	iid	int(11)			No	None			Change Drop Primary ▾ More
4	soquantity	decimal(11,2)			No	None			Change Drop Primary ▾ More
5	soquantityLEFT	decimal(11,2)			No	None			Change Drop Primary ▾ More
6	sopurpose	longtext	latin1_swedish_ci		No	None			Change Drop Primary ▾ More
7	sorDate	date			Yes	NULL			Change Drop Primary ▾ More
8	sorStatus	text	latin1_swedish_ci		No	None			Change Drop Primary ▾ More

Table: soreport

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	stockoutRid	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary Unique ▾ More
2	sorid	int(11)			No	None			Change Drop Primary Unique ▾ More
3	stockoutQuan	decimal(11,2)			No	None			Change Drop Primary Unique ▾ More
4	stockoutDate	date			No	None			Change Drop Primary Unique ▾ More

Table: Stock

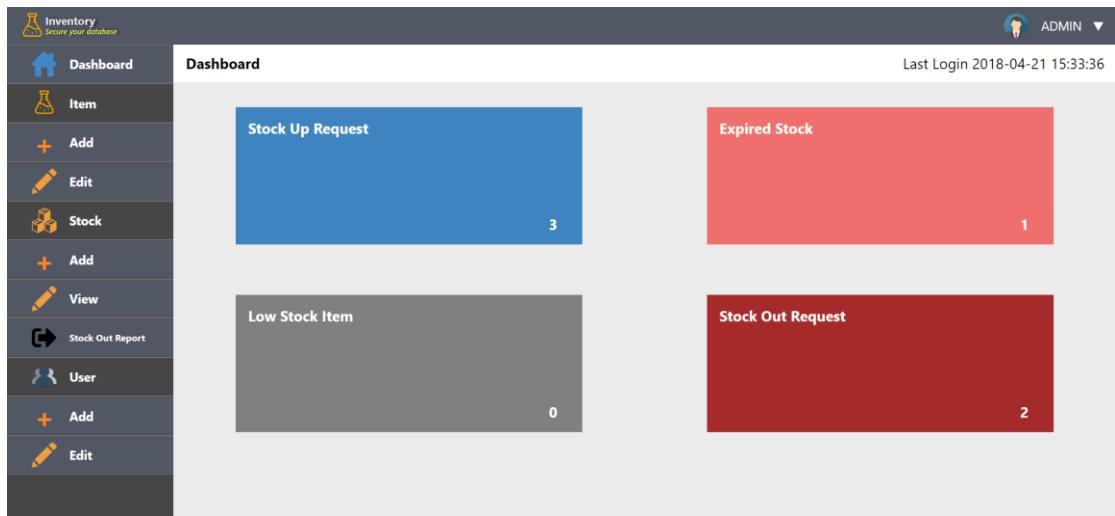
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	sid	int(11)		No	None		AUTO_INCREMENT		Change Drop Primary Unique Index Spatial More
2	id	int(11)		No	None				Change Drop Primary Unique Index Spatial More
3	quantity	int(11)		No	None				Change Drop Primary Unique Index Spatial More
4	expire	date		No	None				Change Drop Primary Unique Index Spatial More
5	sStatus	tinyint(1)		No	None				Change Drop Primary Unique Index Spatial More

Table: user

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	uid	int(11)			No	None		AUTO_INCREMENT
2	fname	varchar(50)	latin1_swedish_ci		No	None		
3	password	varchar(255)	latin1_swedish_ci		No	None		
4	email	varchar(100)	latin1_swedish_ci		No	None		
5	role	int(11)			No	None		
6	firstlogin	tinyint(1)			No	None		
7	created	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP
8	lastlogin	timestamp			No	0000-00-00 00:00:00		

Screenshots of Outputs (Admin Page)

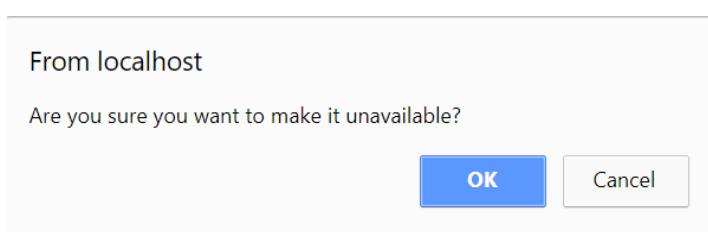
Receiving Notification



Changing availability of expired stock to unavailable

Expired Stock						
Item Name	Category	Quantity	Expired Date	Availability	Action	
Sodium	Reagent	100 ml	2018-04-16	Unavailable	-	
Mercury	Reagent	100 L	2018-04-16	Available	☒	

When clicking on red circle icon, admin will be prompted



Item Name	Category	Quantity	Expired Date	Availability	Action
Sodium	Reagent	100 ml	2018-04-16	Unavailable	-
Mercury	Reagent	100 L	2018-04-16	Unavailable	-

Viewing Stock Out Report

Item name	Quantity	Requested By	Stock Out Date
Alcohol Pad	5.00 pcs	user	2018-04-21
Bunsen Burner	10.00 unit	user	2018-04-20
Chloride	10.00 L	user	2018-04-21

Summary Section	
Item Name	Remaining Quantity
Alcohol Pad	110 pcs
Bunsen Burner	115 unit

Adding Item

Input

Inventory Secure your database

ADMIN ▾

Dashboard Item Add Edit Stock View Stock Out Report User Add Edit

Item

Item Name: Beaker 50 ml
Category: Apparatus
Unit of measurement: unit
Status: Available

Submit

Output

From localhost

Item has been added

OK

Inventory Secure your database

ADMIN ▾

Dashboard Item Add Edit Stock View Stock Out Report User Add Edit

Edit

Category: Apparatus Consumable Equipment Reagent
Status: Available Unavailable

Search

Item Name	Category	Unit of measurement	Status	Action
Bunsen Burner	Apparatus	unit	Available	
Retort Stand	Apparatus	L	Unavailable	
Beaker 50 ml	Apparatus	unit	Available	
Aqua	Consumable	ml	Available	
Alcohol Pad	Equipment	pcs	Available	
Sodium	Reagent	ml	Available	
Mercury	Reagent	L	Unavailable	
Chloride	Reagent	L	Available	

Editing Item

Input

Changing from “Beaker 50 ml” to “Beaker 10 ml” and from “Available” to “Unavailable”

The screenshot shows the 'Edit' form for an item. The left sidebar has 'Item' selected. The main form fields are:

- Item Name: Beaker 10 ml
- Category: Apparatus
- Unit of measurement: L
- Status: Available Unavailable

There is a 'Update' button at the bottom right.

Output

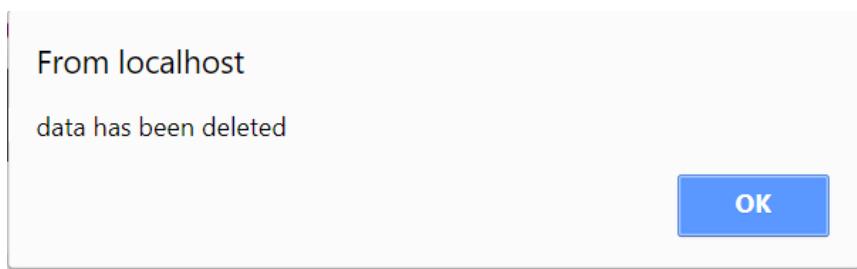
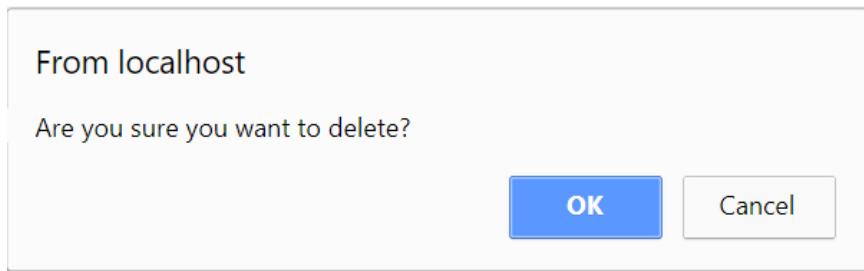


The screenshot shows the list of items after the update. The 'Edit' form is visible on the left. The table lists items with their details and actions:

Item Name	Category	Unit of measurement	Status	Action
Bunsen Burner	Apparatus	unit	Available	
Retort Stand	Apparatus	L	Unavailable	
Beaker 10 ml	Apparatus	L	Unavailable	
Aqua	Consumable	ml	Available	
Alcohol Pad	Equipment	pcs	Available	
Sodium	Reagent	ml	Available	
Mercury	Reagent	L	Unavailable	
Chloride	Reagent	L	Available	

Deleting Item

When delete icon is clicked (from the item list)



Stocking Up

Input

The screenshot shows a web-based inventory management system. On the left is a vertical sidebar menu with icons and labels: Dashboard, Item, Add, Edit, Stock, Add, View, Stock Out Report, User, Add, and Edit. The 'Stock' item is currently selected. The main content area has a title 'Stock Up'. It contains three input fields: 'Item Name' (set to 'Alcohol Pad'), 'Quantity' (set to '10'), and 'Expiry Date' (set to '30/04/2018'). A 'Submit' button is located at the bottom right of the input area.

Output

From localhost

Stock up successful

OK

The screenshot shows the 'View Stock' page. The sidebar menu is identical to the previous screenshot. The main content area has a title 'View Stock'. It includes sorting options: 'Sort By Quantity' (radio buttons for 'High to Low' and 'Low to High') and 'Sort By Expire Date' (radio buttons for 'High to Low' and 'Low to High'). There is also a search bar with a 'Search' button. Below these are two tables. The first table shows a list of items with columns: Item name, Quantity, Expire Date, and Status. The second table shows a detailed view of the 'Alcohol Pad' entry, which is highlighted with a red border. The detailed view table has columns: Item name, Quantity, Expire Date, and Status.

Item name	Quantity	Expire Date	Status
Bunsen Burner	100 unit	2018-04-30	Available
Alcohol Pad	100 pcs	2018-05-01	Available
Aqua	100 ml	2018-04-30	Available
Sodium	100 ml	2018-04-16	Unavailable
Mercury	100 L	2018-04-16	Available
Aqua	15 ml	2018-04-30	Available
Chloride	10 L	2018-04-30	Available
Bunsen Burner	5 unit	2018-04-23	Available
Alcohol Pad	10 pcs	2018-04-30	Available

Stocking Out

Input from User Side

The screenshot shows the 'Item Stock Out Request Form' window. On the left is a vertical navigation menu with icons for Home, Item Stock Up, Stock Up Request, Request History, Item Stock Out, Stock Out Request, and Request History. The main form area has fields for 'Item Name' (Chloride), 'Quantity' (10), and 'Purpose' (Testing again). A 'Request' button is at the bottom right.

Output

Admin Side

The screenshot shows the 'Stock Out' report window. The left sidebar includes options for Dashboard, Item, Add, Edit, Stock, View, Stock Out Report, User, Add, and Edit. The main report area displays details for an item named 'Chloride' with a quantity of 10.00. It also shows a table titled 'Stock Available' with one row:

No.	Quantity	Expire Date	Action
1.	10 L	2018-04-30	Stock Out

From localhost

Stock Out Successful

OK

Sorting Result

Input

The screenshot shows the 'Edit' screen of the Inventory application. A red box highlights the search bar and the results table. The search bar contains the text 'Sodium' and a 'Search' button. The results table has columns: Item Name, Category, Unit of measurement, Status, and Action. The data is as follows:

Item Name	Category	Unit of measurement	Status	Action
Bunsen Burner	Apparatus	unit	Available	
Retort Stand	Apparatus	L	Unavailable	
Beaker 10 ml	Apparatus	L	Unavailable	
Aqua	Consumable	ml	Available	
Alcohol Pad	Equipment	pcs	Available	
Sodium	Reagent	ml	Available	
Mercury	Reagent	L	Unavailable	
Chloride	Reagent	L	Available	

Output

The screenshot shows the 'Edit' screen of the Inventory application. A red box highlights the search bar and the results table. The search bar contains the text 'Sodium' and a 'Search' button. The results table has columns: Item Name, Category, Unit of measurement, Status, and Action. The data is as follows:

Item Name	Category	Unit of measurement	Status	Action
Sodium	Reagent	ml	Available	

Adding Admin or User

Input

The screenshot shows the 'User' addition form in the Inventory application. The left sidebar has a 'User' section with 'Add' and 'Edit' options. The main form has fields for 'Full Name' (Ng Yuan Shen), 'Email' (wayne.ng6010@gmail.com), and 'Role' (User). A 'Submit' button is at the bottom right.

Output

From localhost
Added Successfully
OK

From localhost
Email successfully sent
OK

Inventory System Registration Print

WAYNE NG <wayne.ng6010@gmail.com>
to me 3:19 PM (0 minutes ago)

INVENTORY

Dear Ng Yuan Shen,
Here is your account to login INVENTORY!
User name: wayne.ng6010@gmail.com
Password: **0yfNjRofGU9**
* Please do not leak out your account.
Enjoy!
The Inventory Team

Viewing / Editing / Deleting Admin and User

Full Name	Email	Role	Date created	Action
Admin	Admin	Admin	2018-04-21 15:33:36	
user	user	User	2018-04-21 15:34:18	
Ng Yuan Shen	wayne.ng6010@gmail.com	User	2018-04-21 15:58:40	

Edit function

When clicking on edit icon, admin will be redirected to edit page

Full Name	<input type="text" value="Ng Yuan Shen"/>
Email	<input type="text" value="wayne.ng6010@gmail.com"/>
Role	<input checked="" type="radio"/> Admin <input type="radio"/> User

When update button is clicked

From localhost

Update Successfully

Email is changed as admin input

The screenshot shows the 'Edit' screen for users. The left sidebar has 'User' selected. The main area shows a table with columns: Full Name, Email, Role, Date created, and Action. There are two rows: one for 'Admin' (Email: Admin) and one for 'user' (Email: user). A third row for 'Ng Yuan Shen' has been added, with 'Email' set to 'wayne@gmail.com'. This row is highlighted with a red border. The 'Action' column for this row contains a pencil icon and a red 'x' icon.

Full Name	Email	Role	Date created	Action
Admin	Admin	Admin	2018-04-21 15:33:36	
user	user	User	2018-04-21 15:34:18	
Ng Yuan Shen	wayne@gmail.com	User	2018-04-21 16:00:55	

Delete function

When cross icon is clicked

The first dialog box contains the text 'From localhost' at the top, followed by 'Are you sure want to delete?' in the center, and two buttons: 'OK' and 'Cancel' at the bottom. The second dialog box also contains 'From localhost' at the top, followed by 'User has been removed' in the center, and a single 'OK' button at the bottom.

That user is removed from the record

The screenshot shows the 'Edit' screen for users. The left sidebar has 'User' selected. The main area shows a table with columns: Full Name, Email, Role, Date created, and Action. There is only one row now: 'Admin' (Email: Admin). The 'user' row is missing. The 'Action' column for the 'Admin' row contains a pencil icon and a red 'x' icon.

Full Name	Email	Role	Date created	Action
Admin	Admin	Admin	2018-04-21 16:02:21	

Screenshots of Outputs (User Page)

Stock Up Urgent Request

Input

Inventory Secure your database

Navigation

- Home
- Item Stock Up
- Stock Up Request
- Request History
- Item Stock Out
- Stock Out Request
- Request History

Item Stock Up Request Form

Item Name: Alcohol Pad

Quantity: 50

Purpose: Testing

Monthly Request:

Request

Output

User side

From localhost

Request has been sent

OK

Inventory Secure your database

Navigation

- Home
- Item Stock Up
- Stock Up Request
- Request History
- Item Stock Out
- Stock Out Request
- Request History

Requested Stock Up Item

Urgent Request

Item Name	Quantity	Requested Date	Status
Bunsen Burner	10.00 unit	2018-04-20	Pending
Bunsen Burner	10.00 unit	2018-04-20	Stocked Up
Alcohol Pad	50.00 pcs	2018-04-21	Pending

Monthly Request

Item Name	Quantity	Request For	Status
Sodium	10.00 ml	May	Pending

Admin Side

The screenshot shows the Admin Side of a web application. On the left is a dark sidebar with various menu items: Inventory (Secure your database), Dashboard, Item (selected), Add, Edit, Stock (selected), Add, View, Stock Out Report, User, Add, and Edit. The main content area is titled "Stock Up Request". It contains two tables: "Urgent Request" and "Monthly Request".

Urgent Request

Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Bunsen Burner	10.00 unit	user	Nothing	2018-04-20	Pending	Stock Up
Alcohol Pad	50.00 pcs	user	Testing	2018-04-21	Pending	Stock Up

Monthly Request

Item Name	Quantity	Requested By	Purpose	Request For	Status	Action
No request at this moment						

Stock Out Request

Input

Inventory Secure your database

User

Navigation

Home

Item Stock Up

Stock Up Request

Request History

Item Stock Out

Stock Out Request

Request History

Item Stock Out Request Form

Item Name: Chloride

Quantity: 10

Purpose: Testing again

Request

Output

User Side



Inventory Secure your database

User

Navigation

Home

Item Stock Up

Stock Up Request

Request History

Item Stock Out

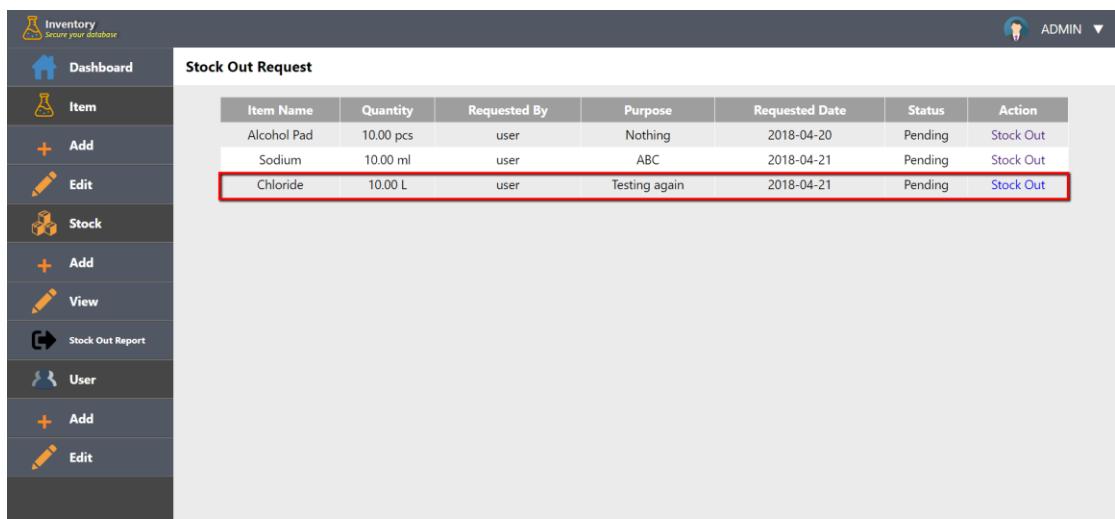
Stock Out Request

Request History

Requested Stock Out Item

Item Name	Quantity	Requested Date	Status
Alcohol Pad	10.00 pcs	2018-04-20	Pending
Bunsen Burner	10.00 unit	2018-04-20	Stocked Out
Sodium	10.00 ml	2018-04-21	Pending
Chloride	10.00 L	2018-04-21	Pending

Admin Side

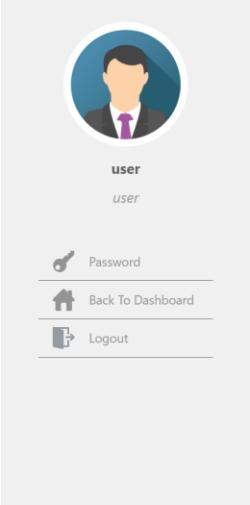


The screenshot shows the 'Stock Out Request' section of the Inventory application. The table displays three rows of data:

Item Name	Quantity	Requested By	Purpose	Requested Date	Status	Action
Alcohol Pad	10.00 pcs	user	Nothing	2018-04-20	Pending	Stock Out
Sodium	10.00 ml	user	ABC	2018-04-21	Pending	Stock Out
Chloride	10.00 L	user	Testing again	2018-04-21	Pending	Stock Out

Changing Password

Input



The screenshot shows a user profile interface. On the left, there is a placeholder profile picture of a person in a suit. Below it, the word "user" is displayed twice. On the right, a "Change Password" form is open. The form has three fields: "Old Password" (containing five asterisks), "New Password" (containing five asterisks), and "Confirm New Password" (containing five asterisks). A blue "Save" button is at the bottom. Navigation links include "Password" (with a key icon), "Back To Dashboard" (with a house icon), and "Logout" (with a door icon).

Output

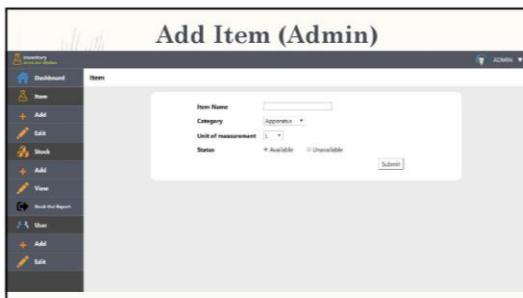
From localhost

New password is set

OK

PART B

Presentation Slides



Stock Out Report (Admin)

The screenshot shows the 'Stock Out Report' section of the Admin interface. It includes a search bar for date and quantity, and a table with columns: Item Name, Quantity, Requested By, and Stock Out Date. One row is visible for 'Buron.Burner'.

Item Name	Quantity	Requested By	Stock Out Date
Buron.Burner	1000 unit	User	2019-04-22

Add User (Admin)

The screenshot shows the 'Add User' form. It requires input for Full Name, Email, and Role (set to Admin), with a 'Submit' button.

Receive Notification (User)

The screenshot shows the 'User' dashboard with a sidebar. The main area displays two notifications: 'Requested Stock Up Item' (2 items) and 'Requested Stock Out Item' (2 items).

Stock Up Request (User)

The screenshot shows the 'Item Stock Up Request Form'. It has fields for Item Name (Buron.Burner), Quantity, Purpose, and Monthly Request, with a 'Request' button.

Stock Out Request (User)

The screenshot shows the 'Item Stock Out Request Form'. It has fields for Item Name (Buron.Burner), Quantity, Purpose, and a 'Request' button.

Changing Password

The screenshot shows the 'Change Password' page. It includes fields for Old Password, New Password, and Confirm New Password, along with a 'Save' button.



Reflection

-
- Learnt more about PHP and MySQL database
 - Insight towards backend operation of stock management system
 - Developing user-friendly web application
 - Critical thinking and logical thinking
 - Team work and task distribution



Future Improvement

-
- Content pagination (splitting large list of content into pages)
 - Adding of measurement unit by admin
 - Getting real time data (request, notification, searching) using AJAX
 - Improved function of monthly stock up request



Thank You

References

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