<?php

$host = 'localhost';

$db = 'base1';

$user = 'base1';

$pass = 'Snowcycle7';

$charset = 'utf8';

$dsn = "mysql:host=$host;dbname=$db;charset=$charset";

$opt = [

PDO::ATTR\_ERRMODE => PDO::ERRMODE\_EXCEPTION,

PDO::ATTR\_DEFAULT\_FETCH\_MODE => PDO::FETCH\_ASSOC,

PDO::ATTR\_EMULATE\_PREPARES => false,

];

$pdo = new PDO($dsn, $user, $pass, $opt);

function getBuy($bs) {

if ($bs == 0) {

return 'Bought';

}

elseif ($bs == 1){

return 'Sold';

}

}

function makPos($ng) {

if ($ng < 0) {

return $ng\*-1;

}

else {

return $ng;

}

}

function postLive($pdo) {

setlocale(LC\_MONETARY, 'en\_US');

$getLive = $pdo->query("SELECT \* FROM live WHERE shares\_now != 0");

echo "<table>";

echo "<tr><th>Code</th><th>Shares</th><th>PL</th><th>CurrVal</th></tr>";

foreach ($getLive as $line) {

$GLOBALS['sname'] = $line['code'];

$sname = $GLOBALS['sname'];

echo "<tr>";

echo "<td>".$sname."</td>";

echo "<td>".$line['shares\_now']."</td>";

echo "<td>".money\_format('%.2n', $line['pl'])."</td>";

echo "<td>".money\_format('%.2n', $line['curr\_val'])."</td>";

}

echo "</tr>";

echo "</table>";

}

function updateLive() {

global $pdo;

global $sum\_sh;

global $sum\_bi;

global $live\_number\_of\_rows;

global $stockname;

global $number;

global $price;

if ($sum\_sh['hm\_shares'] < 0 and $live\_number\_of\_rows == 0) {

$sql = 'INSERT INTO live (code,shares\_now,pl)

VALUES (?,?,?)';

$pdo->prepare($sql)->

execute([$stockname,makPos($sum\_sh['hm\_shares']),

$sum\_bi['hm\_pl']]);

}

elseif ($live\_number\_of\_rows == 1){

$sql = 'UPDATE live SET shares\_now = ?, pl = ? WHERE code = ?';

$pdo->prepare($sql)->

execute([$sum\_sh['hm\_shares']\*-1,$sum\_bi['hm\_pl'],$stockname]);

}

}

function updateCurrval($pdo) {

$sql = "SELECT code FROM live";

$scode = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

foreach ($scode as $s) {

$currval = $s;

include('yahoostock\_currval.php');

$sqll = "SELECT shares\_now FROM live";

$shares = $pdo->query($sqll)->fetchAll(PDO::FETCH\_COLUMN);

$shares = $shares[array\_search($s, $scode)];

$fin\_curr\_val = $pricee\*$shares;

$sqlll = 'UPDATE live SET curr\_val = ? WHERE code = ?';

$pdo->prepare($sqlll)->execute([$fin\_curr\_val,$s]);

}

}

function postHistory($pdo) {

setlocale(LC\_MONETARY, 'en\_US');

$gethist = $pdo->query("SELECT buy\_or\_sell,full\_name,sharenumber,

boughtat,bill,date\_time FROM stock\_info ORDER BY date\_time DESC LIMIT 20");

echo "<table>";

echo "<tr><th>Bought/Sold</th><th>Company</th><th>Shares</th>

<th>Price</th><th>Bill</th><th>Time</th></tr>";

foreach ($gethist as $line) {

echo "<tr>";

echo "<td>".getbuy($line["buy\_or\_sell"])."</td>";

echo "<td>".$line["full\_name"]."</td>";

echo "<td>".$line["sharenumber"]."</td>";

echo "<td>".money\_format('%.2n', $line['boughtat'])."</td>";

echo "<td>".money\_format('%.2n', $line['bill'])."</td>";

echo "<td>".$line["date\_time"]."</td>";

}

echo "</tr>";

echo "</table>";

}

?>

<?php ob\_start();

setlocale(LC\_MONETARY, 'en\_US'); ?>

<html>

<head>

<title>Penguin</title>

</head>

<nav>

<a href="home.php">Home</a>

<a href="buy.php">Buy</a>

<a href="sell.php">Sell</a>

<form method = "get">

<input name="clearall" type="submit" value="CLEAR">

</form>

</nav>

<body>

<?php

include('functions.php');

updateCurrval($pdo);

postLive($pdo);

echo "<br>";

if (isset($\_GET["clearall"])){

$pdo->exec("DELETE FROM stock\_info");

$pdo->exec("DELETE FROM account");

$pdo->exec("DELETE FROM live");

}

?>

<form method = "get" >

Stock you wish to buy:

<input name = "stockname" type = "text">

<br>

Number of shares:

<input name = "sharenumber" type = "number"><br>

<input name = "submit" type = "submit">

</form>

<?php

$stockname = '';

$number = 0;

if (isset($\_GET["submit"])) {

// collect value of input field

$stockname = strtoupper($\_GET['stockname']);

$number = $\_GET['sharenumber'];

if (empty($stockname)and empty($number)){

echo "Please input stockname and number of shares above.<br>";

}

elseif (empty($stockname)) {

echo "Please input stockname above.<br>";

}

elseif (empty($number)) {

echo "Please input number of shares above.<br>";

}

else {

echo "Buy ";

include('yahoostock.php');

echo "<br>";

?>

<form method = "post">

<input name = "buyform" type="submit" value="buy!!">

</form>

<?php

if (isset($\_POST["buyform"])){

$price = floatval($price) \* -1;

$number = intval($number) \* -1;

$sql = 'INSERT INTO stock\_info(full\_name,stockname,sharenumber,

boughtat,bill,buy\_or\_sell) VALUES (?,?,?,?,?,?)';

$pdo->prepare($sql)->execute([$name,$stockname,$number,$price,

$price\*$number\*-1,False]);

$pdo->exec('INSERT INTO account (flow,balance)

SELECT SUM(bill),SUM(bill)+10000 FROM stock\_info');

$sql = 'SELECT count(code) FROM live

WHERE code = ?';

$count\_codes = $pdo->prepare($sql);

$count\_codes->execute([$stockname]);

$live\_number\_of\_rows = $count\_codes->fetchColumn();

$c\_sharenumber = $pdo->prepare('SELECT SUM(sharenumber)

AS hm\_shares FROM stock\_info WHERE stockname = ?');

$c\_sharenumber->execute([$stockname]);

$sum\_sh = $c\_sharenumber->fetch(PDO::FETCH\_ASSOC);

$c\_bills = $pdo->prepare('SELECT SUM(bill)

AS hm\_pl FROM stock\_info WHERE stockname = ?');

$c\_bills->execute([$stockname]);

$sum\_bi = $c\_bills->fetch(PDO::FETCH\_ASSOC);

echo updateLive();

echo "Success!";

header ("Refresh: 1;buy.php");

}

}

}

?>

</body>

</html>

<?php ob\_start();

setlocale(LC\_MONETARY, 'en\_US'); ?>

<html>

<head>

<title>Penguin</title>

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<nav>

<a href="home.php">Home</a>

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<a href="sell.php">Sell</a>

<form method = "get">

<input name="clearall" type="submit" value="CLEAR">

</form>

</nav>

<body>

<?php

include('functions.php');

updateCurrval($pdo);

postLive($pdo);

echo "<br>";

if (isset($\_GET["clearall"])){

$pdo->exec("DELETE FROM stock\_info");

$pdo->exec("DELETE FROM account");

$pdo->exec("DELETE FROM live");

}

?>

<form method = "get" >

Stock you wish to sell:

<input name = "stockname" type = "text">

<br>

Number of shares:

<input name = "sharenumber" type = "number"><br>

<input name = "submit" type = "submit">

</form>

<?php

$stockname = '';

$number = 0;

if (isset($\_GET["submit"])) {

// collect value of input field

$stockname = strtoupper($\_GET['stockname']);

$number = $\_GET['sharenumber'];

$c\_code = $pdo->prepare('SELECT count(code) FROM live

WHERE code = ?');

$c\_code->execute([$stockname]);

$find\_code = $c\_code->fetchColumn();

$c\_shn = $pdo->prepare('SELECT shares\_now FROM live

WHERE code = ?');

$c\_shn->execute([$stockname]);

$find\_shn = $c\_shn->fetchColumn();

if (empty($stockname)and empty($number)){

echo "Please input stockname and number of shares above.<br>";

}

elseif (empty($stockname)) {

echo "Please input stockname above.<br>";

}

elseif (empty($number)) {

echo "Please input number of shares above.<br>";

}

elseif ($find\_code == 0 or $number > $find\_shn) {

echo "You can't sell stock you don't own!";

}

else {

echo "Sell ";

include('yahoostock.php');

echo "<br>";

?>

<form method = "post">

<input name = "sellform" type="submit" value="sell!!">

</form>

<?php

if (isset($\_POST["sellform"])){

$sql = 'INSERT INTO stock\_info(full\_name,stockname,sharenumber,

boughtat,bill,buy\_or\_sell) VALUES (?,?,?,?,?,?)';

$pdo->prepare($sql)->execute([$name,$stockname,$number,$price,

$price\*$number,True]);

$pdo->exec('INSERT INTO account (flow,balance)

SELECT SUM(bill),SUM(bill)+10000 FROM stock\_info');

$sql = 'SELECT count(code) FROM live

WHERE code = ?';

$count\_codes = $pdo->prepare($sql);

$count\_codes->execute([$stockname]);

$live\_number\_of\_rows = $count\_codes->fetchColumn();

$c\_sharenumber = $pdo->prepare('SELECT SUM(sharenumber)

AS hm\_shares FROM stock\_info WHERE stockname = ?');

$c\_sharenumber->execute([$stockname]);

$sum\_sh = $c\_sharenumber->fetch(PDO::FETCH\_ASSOC);

$c\_bills = $pdo->prepare('SELECT SUM(bill)

AS hm\_pl FROM stock\_info WHERE stockname = ?');

$c\_bills->execute([$stockname]);

$sum\_bi = $c\_bills->fetch(PDO::FETCH\_ASSOC);

updateLive();

echo "Success!";

header ("Refresh: 1;sell.php");

}

}

}

?>

</body>

</html>

<?php ob\_start(); header("Refresh:60");

setlocale(LC\_MONETARY, 'en\_US'); ?>

<html>

<head>

<title>Penguin</title>

</head>

<nav>

<a href="home.php">Home</a>

<a href="buy.php">Buy</a>

<a href="sell.php">Sell</a>

<form method = "get">

<input name="clearall" type="submit" value="CLEAR">

</form>

</nav>

<body>

<?php

include('functions.php');

updateCurrval($pdo);

postLive($pdo);

?>

<?php

if (isset($\_GET["clearall"])){

$pdo->exec("DELETE FROM stock\_info");

$pdo->exec("DELETE FROM account");

$pdo->exec("DELETE FROM live");

}

$get\_bal = $pdo->query('SELECT balance FROM account ORDER BY timestamp DESC LIMIT 1');

$target = $get\_bal->fetch();

echo "<br>Account total:<br>";

echo money\_format('%.2n', $target['balance'])."<br>";

$get\_bal = $pdo->query('SELECT \* FROM stock\_info');

$target = $get\_bal->fetch();

echo "<br>Recent activity:<br>";

?>

<a href="history.php">(show full history)</a>

<?php

echo "<br><br>";

postHistory($pdo);

?>

</body>

</html>

<?php

include\_once('class.yahoostock.php');

setlocale(LC\_MONETARY, 'en\_US');

$objYahooStock = new YahooStock;

/\*\*

Add format/parameters to be fetched

s = Symbol

n = Name

l1 = Last Trade (Price Only)

d1 = Last Trade Date

t1 = Last Trade Time

c = Change and Percent Change

v = Volume

\*/

$objYahooStock->addFormat("snl1d1t1cv");

/\*\*

Add company stock code to be fetched

msft = Microsoft

amzn = Amazon

yhoo = Yahoo

goog = Google

aapl = Apple

\*/

$objYahooStock->addStock($stockname);

/\*\*

\* Printing out the data

\*/

foreach($objYahooStock->getQuotes() as $code => $stock)

{

$kode = $stock[1];

$name = $stock[3];

$price = $stock[4];

//$date = $stock[5];

//$time = $stock[7];

//$change = $stock[9];

//$volume = $stock[10];

}

if (isset($name)) {

//echo "Stock Code: " . $kode //code

echo $number." share(s) of ".$name." at ".money\_format('%.2n', $price).

"/share for ".money\_format('%.2n', $price\*$number)."?";

//echo "<br>";

//echo "Last Trade Date: " . $date; //last trade date

//echo "<br>";

//echo "Last Trade Time: " . $time; //last trade time

//echo "<br>";

//echo "Change and Percent Change: " . $change; //change and percent change

//echo "<br>";

//echo "Volume: " . $volume; //volume

//echo "<br>";

}

else {

exit ("Hmmm... we can't find this stock. Sorry.");

}

?>

<?php

/\*\*

\* Class to fetch stock data from Yahoo! Finance

\*

\*/

class YahooStock {

/\*\*

\* Array of stock code

\*/

private $stocks = array();

/\*\*

\* Parameters string to be fetched

\*/

private $format;

/\*\*

\* Populate stock array with stock code

\*

\* @param string $stock Stock code of company

\* @return void

\*/

public function addStock($stock)

{

$this->stocks[] = $stock;

}

/\*\*

\* Populate parameters/format to be fetched

\*

\* @param string $param Parameters/Format to be fetched

\* @return void

\*/

public function addFormat($format)

{

$this->format = $format;

}

/\*\*

\* Get Stock Data

\*

\* @return array

\*/

public function getQuotes()

{

$result = array();

$format = $this->format;

foreach ($this->stocks as $stock)

{

/\*\*

\* fetch data from Yahoo!

\* s = stock code

\* f = format

\* e = filetype

\*/

$s = file\_get\_contents("http://finance.yahoo.com/d/quotes.csv?s=$stock&f=$format&e=.csv");

$new\_s = str\_replace(',', '', $s);

/\*\*

\* convert the comma separated data into array

\*/

$data = explode( '"', $new\_s);

/\*\*

\* populate result array with stock code as key

\*/

$result[$stock] = $data;

}

return $result;

}

}

<?php

include\_once('class.yahoostock.php');

$objYahooStock = new YahooStock;

/\*\*

Add format/parameters to be fetched

s = Symbol

n = Name

l1 = Last Trade (Price Only)

d1 = Last Trade Date

t1 = Last Trade Time

c = Change and Percent Change

v = Volume

\*/

$objYahooStock->addFormat("snl1d1t1cv");

/\*\*

Add company stock code to be fetched

msft = Microsoft

amzn = Amazon

yhoo = Yahoo

goog = Google

aapl = Apple

\*/

$objYahooStock->addStock($currval);

/\*\*

\* Printing out the data

\*/

foreach($objYahooStock->getQuotes() as $code => $stock)

{

$kodee = $stock[1];

$namee = $stock[3];

$pricee = $stock[4];

$datee = $stock[5];

$timee = $stock[7];

}

?>