

# Mailinglist – php example code – part 3 – mailer page

Article focus on part responsible for creating a post and resending them to a subscribers. List of subscribers is also shown.

## Form part

Sending of separate information messages to subscribers is enabled by mailer.php page. Form part of the page consist from two filed. Simple input text filed for subject. Second much bigger textarea for gaining text of message from page admin.



Subject of send message:

Subject of message:

Message to send:

Here you can write your notification message for subscribed users.

Your developers team

SEND TO SUBSCRIBERS

RESET FORM

*Message:* Here you can write your notification message for subscribed users. Your developers team  
succesfully sent to all subscribers on list bellow

### Sending e-mails

Email to: test@test.com has been sent ...

Email to: test@test2.sk has been sent ...

Email to: test@test3.sk has been sent ...

Email to: test@test4.sk has been sent ...

Email to: test@test6.sk has been sent ...

Email to: test@test7.sk has been sent ...

### Our subscribers mailinglist

UNSUBSCRIBE BY E-MAIL ->

id	firstname	lastname	date	email
8	User	Lastname	2020-09-19 18:20:25	test@test7.sk
7	User	Lastname	2020-09-19 18:20:21	test@test6.sk
5	User	Lastname	2020-09-19 18:20:12	test@test4.sk
4	User	Lastname	2020-09-19 18:20:08	test@test3.sk
2	User	Lastname	2020-09-19 18:18:41	test@test2.sk
1	Milan	Cijjak	2020-09-19 18:18:12	test@test.com

```

<form method="post" action="<?php echo $_SERVER['PHP_SELF'];
?>">
    <div class="form-group">
        <label>Subject of send message:</label>
        <input type="text" onfocus="this.value="" name=
"subject" class="form-
control" value="<?php echo isset($_POST['firstname']) ? $subje
ct : ,Subject of message:'; ?>">

        <label>Message to send:</label>
        <textarea onfocus="this.value="" id="message" na
me="message" class="form-
control" rows="10" cols="50"><?php echo isset($_POST['message'
]) ? $message : ,Your text goes here ...'; ?></textarea>
    </div>

    <button type="submit" name="submit" class="btn btn-
warning"> Send to subscribers </button>
    <button type="submit" name="reset" class="btn btn-
info"> Reset form </button>

```

Interesting part of code is inserted in input tag onfocus="this.value="" that enable clearing information „value“ text inserted into a form field.

## Sending e-mails

Part for sending a e-mails is inserted into a HTML body because we will produce messages after all succesfully sent e-mails. Full code can be obtainted for further reference and study from github here.

```
<?php // if message to send was submitted then emails are sent mail by mail

    // Control if data was submitted
    if(filter_has_var(INPUT_POST, 'submit')){
        // $subject and $message was added to variables in script on upper part of page, because we expect output about sending email
        // in body of page this code is inserted in html body part of code

        // Control if all required fields were written
        if(!empty($subject) && !empty($message)) {
            // If check passed – all needed fields are written
            $is_result = true;
            // send e-mail to all subscribers

            // connect to database
            $dbc = mysqli_connect("localhost", "admin", "test*555", "test");

            // Check connection
            if($dbc === false){
                die("ERROR: Could not connect to database. " . mysqli_connect_error());
            }

            // read all e-mails from database – create query and pass it to database server
```

```

        $sql = „SELECT DISTINCT email FROM mailinglist
“;

        if($output = mysqli_query($dbc, $sql)){
            if(mysqli_num_rows($output) > 0){ // if a
ny record obtained from SELECT query

                // create and send email one by one

                echo „<h4>Sending e-mails</h4>“;
                echo „<br>“;

                while($row = mysqli_fetch_array($outpu
t)){ //send email by email and output message
                    // create email structure
                    // E-mail is ok
                    $fromEmail = „ciljak@localhost
.org“; //!!! e-
mail address from message is send – change for your needs!!!
                    $toEmail = $row[„email“];
                    $body = $message;

                    // Email Headers
                    $headers = „MIME-
Version: 1.0“ .“\r\n“;
                    $headers .=“Content-
Type:text/html;charset=UTF-8“ . „\r\n“;

                    // Additional Headers
                    $headers .= „From: CDesigner.e
u <„.$fromEmail.“>“ . „\r\n“;

                    if(mail($toEmail, $subject, $b
ody, $headers)){

                        // Email Sent
                        echo „<p> Email to: „;
                        echo “ „ . $row[„email“] .
“ „;

                        echo “ has been sent ... </
p>“;

                    } else {

```

```

        // Failed
        echo „<p> Email to: „;
        echo “ “ . $row[,email'] .

    „ „;

        echo “ cannot be send, pl
ease examine your email server connection! </p>„;
    }

    }
    echo „<br>“;
    // Free result set – free the memory a
ssociated with the result
    mysqli_free_result($output);
    } else{
        echo „There is no subscriber in mailin
glist. Please add them.“; // if no records in table
    }
    } else{
        echo „ERROR: Could not able to execute $sq
l. “ . mysqli_error($dbc); // if database query problem
    }

    // Close connection
    mysqli_close($dbc);

} else {
    // Failed – if not all fields are fullfiled
    $msg = ‚Please fill in all contactform fields‘;
    $msgClass = ‚alert-
danger‘; // bootstrap format for allert message with red color
    };

};

?>

```

## Listener of subscribers part

Our next php code part is responsible for showing list of subscribers in form of a table. For styling of the output, some css was added to style.css file (github link is here).

```
<?php // code showing all subscribers in form of a table at end of the page

        /* Attempt MySQL server connection. Assuming you are running MySQL
        server with default setting (user 'root' with no password) */
        $dbc = mysqli_connect("localhost", "admin", "test*555", "test");

        // Check connection
        if($dbc === false){
            die("ERROR: Could not connect to database – stage of article listing. " . mysqli_connect_error());
        }

        // read all rows (data) from guestbook table in "test" database
        $sql = "SELECT * FROM mailinglist ORDER BY id DESC"; // read in reverse order – newest article first
        /*******
        *****/
        /* Output in Table – solution 1 – for debugging data from database */
```

```

/*****
*****/
// if data properly selected from mailinglist
database table

echo „<h4>Our subscribers mailinglist</h4>„;
echo „<br>„;
echo , <button class=“btn btn-secondary btn-
lg “ onclick=“location.href=‘unsubscribe.php‘“ type=“button“
> Unsubscribe by e-mail -> </button>,;

echo „<br>“; echo „<br>„;

if($output = mysqli_query($dbc, $sql)){
    if(mysqli_num_rows($output) > 0){ // if a
ny record obtained from SELECT query
        // create table output
        echo „<table>“; //head of table
            echo „<tr>„;
                echo „<th>id</th>„;
                echo „<th>firstname</th>„;
                echo „<th>lastname</th>„;
                echo „<th>date</th>„;
                echo „<th>email</th>„;

            echo „</tr>„;
            while($row = mysqli_fetch_array($output)){ //next rows outputed in while loop
                echo “ <div class=‘mailinglist‘>
“ ;

                echo „<tr>„;
                echo „<td>“ . $row[,'id'] . „</
td>„;

                echo „<td>“ . $row[,'firstname_
of_subscriber'] . „</td>„;

                echo „<td>“ . $row[,'secondname
_of_subscriber'] . „</td>„;

                echo „<td>“ . $row[,'write_date
'] . „</td>„;

                echo „<td>“ . $row[,'email'] .
„</td>„;

```



```

        echo „</tr>„;
        echo “ </div> “ ;
    }
    echo „</table>„;
    // Free result set
    mysqli_free_result($output);
} else{
    echo „There is no postmessage in Guest
book. Please wirite one.„; // if no records in table
}
} else{
    echo „ERROR: Could not able to execute $sq
l. “ . mysqli_error($dbc); // if database query problem
}

// Close connection
mysqli_close($dbc);
?>

```

Full mailinglist app code is available from [here](#).