



NF2 - PAC02 Interacció

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M07 Des. Servidor UF4

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1. Crear la base de datos, las taules i insereix dades.

WindowsServer2019M7 Casa [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 x

```
1 use chat;
2
3 CREATE TABLE `chat_message` (
4   `chat_message_id` int(11) NOT NULL,
5   `to_user_id` int(11) NOT NULL,
6   `from_user_id` int(11) NOT NULL,
7   `chat_message` text NOT NULL,
8   `timestamp` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
9   `status` int(1) NOT NULL
10 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

#	Time	Action	Message	Duration / Fetch
30	00:39:25	select * from chat_message LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
31	00:40:09	use chat	0 row(s) affected	0.000 sec
32	00:40:09	ALTER TABLE `chat_message` MODIFY `chat_message_id` int(11) NOT NULL AUTO_INCREMENT	Error Code: 1075. Incorrect table definition; there can be only one auto column and it must be defined as a key	0.000 sec
33	00:40:48	DROP TABLE chat_message	0 row(s) affected	0.219 sec
34	00:44:54	use chat	0 row(s) affected	0.000 sec
35	00:44:54	CREATE TABLE `chat_message` (`chat_message_id` int(11) NOT NULL, `to_user_id` int(11) NOT NULL, `from_user_id` int(11) NOT NULL, `ch...	0 row(s) affected, 4 warning(s): 1681 Integer display width is deprecated and will be removed in a future release. 1681 Integer display width is deprecate...	0.094 sec

Object Info Session

MySQL Workbench

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Information

No object selected

Object Info Session

Query 1

```

1 use chat;
2
3 CREATE TABLE `logig` (
4   `Cuser_id` int(11) NOT NULL,
5   `username` varchar(255) NOT NULL,
6   `password` varchar(255) NOT NULL
7 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
8
9

```

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:15:16	use chat	0 row(s) affected	0.000 sec
2	00:15:16	CREATE TABLE `logig` (`Cuser_id` int(11) NOT NULL, `username` varchar(255) NOT NULL, `password` varchar(255) NOT NULL) ENGINE=InnoDB DE...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in a future release.	1.093 sec

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

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Administration Schemas

Information

No object selected

Query 1

```

1 • use chat;
2
3 • INSERT INTO `login` (`user_id`,`username`,`password`)VALUES
4     (1,'Zeus','password'),
5     (2,'Maria','password'),
6     (3,'David','password');
7
8
    
```

Limit to 1000 rows

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 13	00:26:00	use chat	0 row(s) affected	0.000 sec
✗ 14	00:26:00	CREATE TABLE `login` (`user_id` int(11) NOT NULL, `username` varchar(255) NOT NULL, `password` varchar(255) NOT NULL) ENGINE=zeusDb...	Error Code: 1286. Unknown storage engine 'zeusDb'	0.000 sec
✓ 15	00:26:20	use chat	0 row(s) affected	0.000 sec
⚠ 16	00:26:20	CREATE TABLE `login` (`user_id` int(11) NOT NULL, `username` varchar(255) NOT NULL, `password` varchar(255) NOT NULL) ENGINE=InnoDB...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in a future release.	0.172 sec
✓ 17	00:28:49	use chat	0 row(s) affected	0.000 sec
✓ 18	00:28:49	INSERT INTO `login` (`user_id`,`username`,`password`)VALUES (1,'Zeus','password'), (2,'Maria','password'), (3,'David','password')	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.141 sec

Object Info Session

Context Help Snippets

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator Query 1 ×

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Administration Schemas

Information

No object selected

Object Info Session

Query 1

```
1 • use chat;
2
3 • CREATE TABLE `login_details` (
4     `login_details_id` int(11) NOT NULL,
5     `user_id` int(11) NOT NULL,
6     `last_activity` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
7     `is_type` enum('no','yes') NOT NULL
8 ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
9
10
```

SQLAdditions

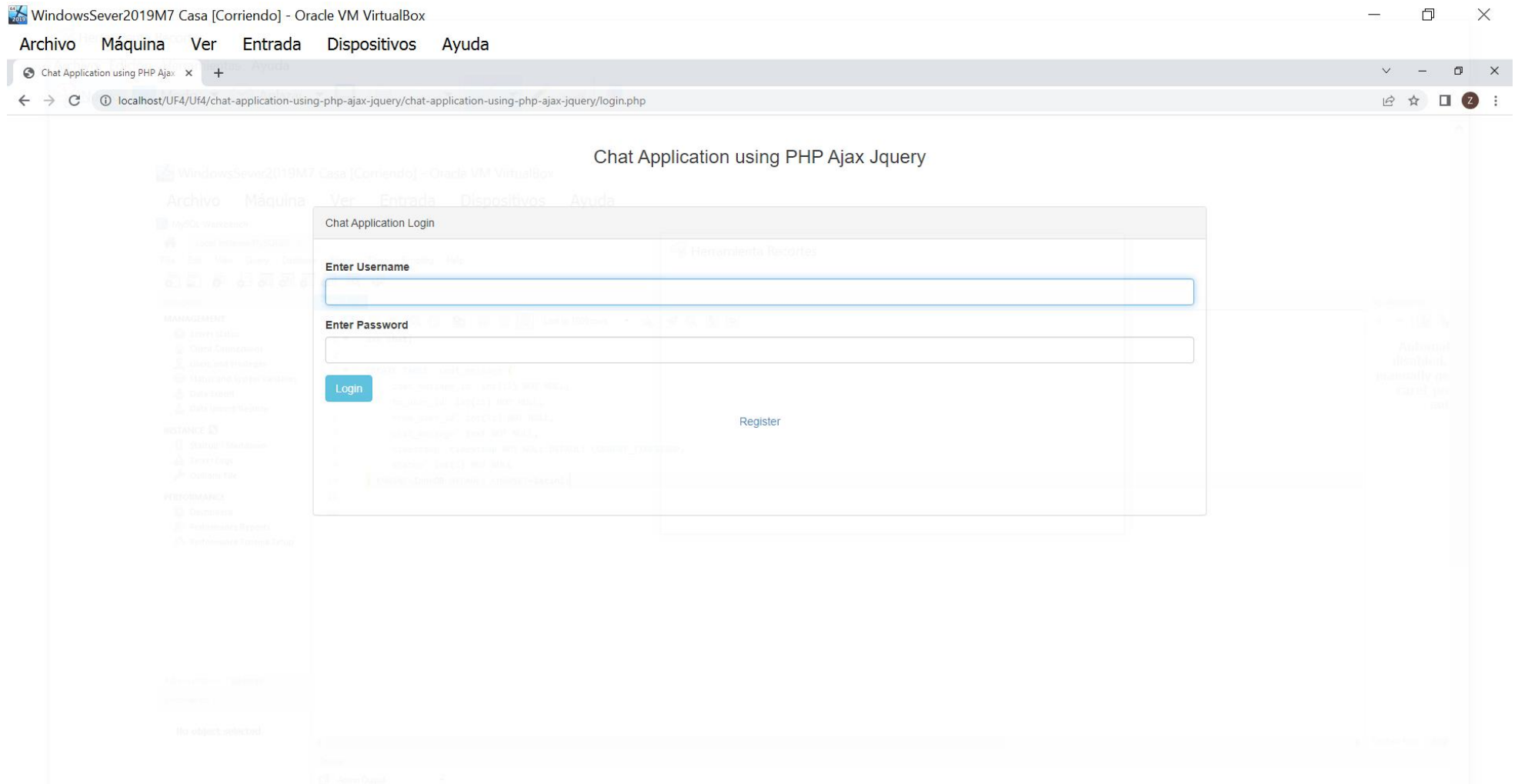
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 15	00:26:20	use chat	0 row(s) affected	0.000 sec
⚠ 16	00:26:20	CREATE TABLE `login` (`user_id` int(11) NOT NULL, `username` varchar(255) NOT NULL, `password` varchar(255) NOT NULL) ENGINE=InnoDB ...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in a future release.	0.172 sec
✓ 17	00:28:49	use chat	0 row(s) affected	0.000 sec
✓ 18	00:28:49	INSERT INTO `login` (`user_id`,`username`,`password`) VALUES (1,'Zeus','password'), (2,'Maria','password'), (3,'David','password')	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.141 sec
✓ 19	00:32:45	use chat	0 row(s) affected	0.000 sec
⚠ 20	00:32:45	CREATE TABLE `login_details` (`login_details_id` int(11) NOT NULL, `user_id` int(11) NOT NULL, `last_activity` timestamp NOT NULL DEFAULT ...	0 row(s) affected, 2 warning(s): 1681 Integer display width is deprecated and will be removed in a future release. 1681 Integer display width is deprecate...	0.171 sec

2. Descarregar el codi i provar-ho.



Chat Application using PHP Ajax JQuery

Chat Application Register

Enter Username

Paco

Enter Password

Re-enter Password

Register

Login

Chat Application using PHP Ajax JQuery

Online User

Group Chat

Hi - Paco - Logout

Username	Status	Action
Zeus	Offline	Start Chat
Maria	Offline	Start Chat

Chat Application using PHP Ajax JQuery

Online User

Username
Zeus
Maria

You have chat with Zeus

 You - Hola

- 2023-06-15 01:34:35

Send

Group Chat

Hi - Paco - [Logout](#)

Status	Action
Offline	Start Chat
Offline	Start Chat

3. Modificar el codi i realitzar el mapping de com a mínim tres operacions que es fan a la base de dades.

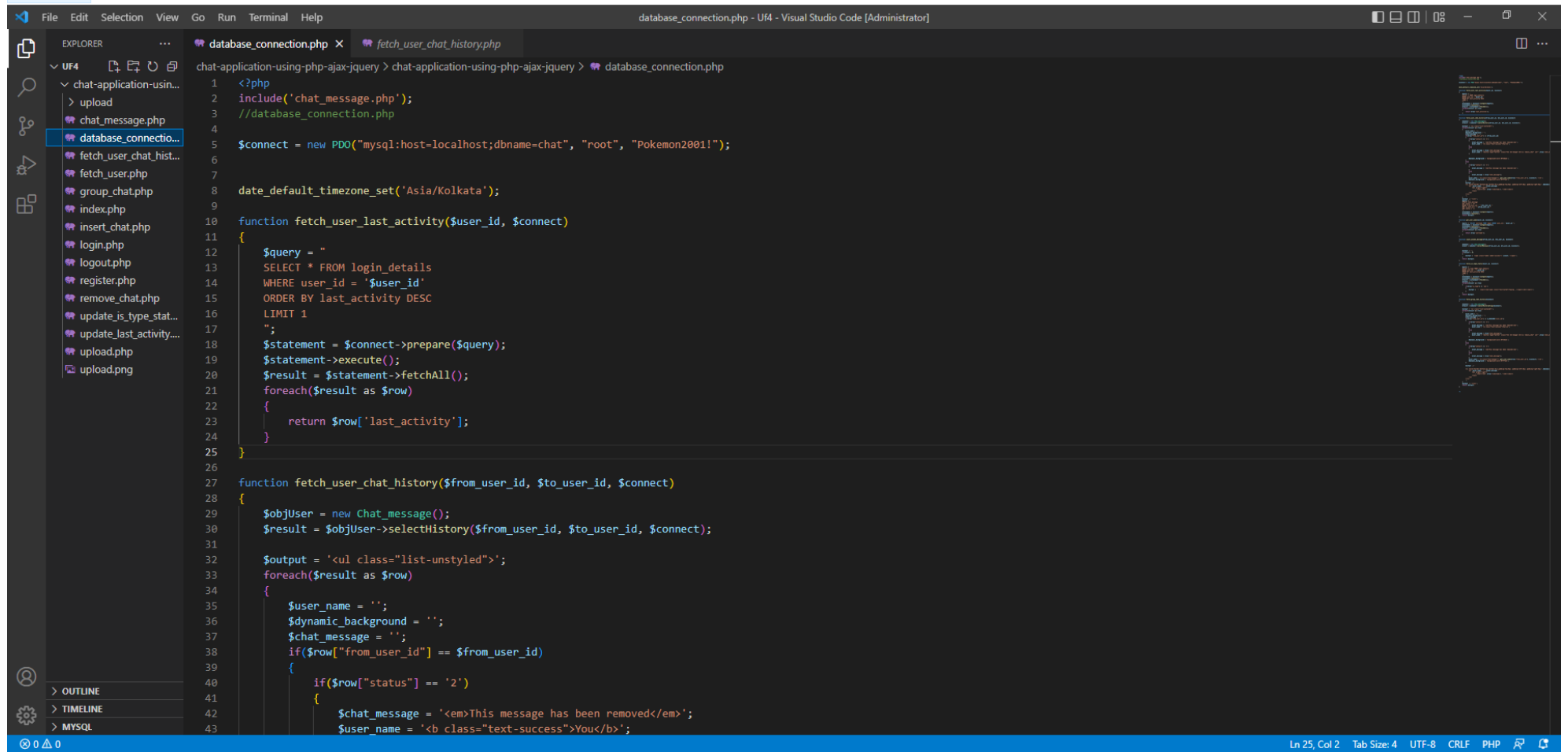
WindowsServer2019M7 Casa [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

chat_message.php - Uf4 - Visual Studio Code [Administrator]

```
1 <?php
2 class Chat_message {
3
4     protected $chat_message_id;
5     protected $to_user_id;
6     protected $from_user_id;
7     protected $chat_message;
8     protected $timestamp;
9     protected $status;
10
11     protected function DefineTableName() {
12         return("chat_message");
13     }
14
15     protected function DefineRelationMap() {
16         return(array(
17             "chat_message_id" => "chat_message_id",
18             "to_user_id" => "to_user_id",
19             "from_user_id" => "from_user_id",
20             "chat_message" => "chat_message",
21             "timestamp" => "timestamp",
22             "status" => "status"
23         ));
24     }
25
26     public function selectHistory($from_user_id, $to_user_id, $connect) {
27         $query = "
28         SELECT * FROM chat_message
29         WHERE (from_user_id = '".$from_user_id."'
30         AND to_user_id = '".$to_user_id."'
31         OR (from_user_id = '".$to_user_id."'
32         AND to_user_id = '".$from_user_id."')
33         ORDER BY timestamp DESC
34         ";
35         $statement = $connect->prepare($query);
36         $statement->execute();
37         $result = $statement->fetchAll();
38
39         return $result;
40     }
41
42     public function selectMensaje($from_user_id, $to_user_id, $connect) {
43
```

Ln 1, Col 1 Spaces: 8 UTF-8 CRLF PHP



```
database_connection.php - UF4 - Visual Studio Code [Administrator]

EXPLORER
  UF4
    chat-application-using-php-ajax-jquery
      upload
      chat_message.php
      database_connection.php
      fetch_user_chat_history.php
      fetch_user.php
      group_chat.php
      index.php
      insert_chat.php
      login.php
      logout.php
      register.php
      remove_chat.php
      update_is_type_stat...
      update_last_activity...
      upload.php
      upload.png

  > OUTLINE
  > TIMELINE
  > MYSQL

chat-application-using-php-ajax-jquery > chat-application-using-php-ajax-jquery > database_connection.php
1  <?php
2  include('chat_message.php');
3  //database_connection.php
4
5  $connect = new PDO("mysql:host=localhost;dbname=chat", "root", "Pokemon2001!");
6
7
8  date_default_timezone_set('Asia/Kolkata');
9
10 function fetch_user_last_activity($user_id, $connect)
11 {
12     $query = "
13     SELECT * FROM login_details
14     WHERE user_id = '$user_id'
15     ORDER BY last_activity DESC
16     LIMIT 1
17     ";
18     $statement = $connect->prepare($query);
19     $statement->execute();
20     $result = $statement->fetchAll();
21     foreach($result as $row)
22     {
23         return $row['last_activity'];
24     }
25 }
26
27 function fetch_user_chat_history($from_user_id, $to_user_id, $connect)
28 {
29     $objUser = new Chat_message();
30     $result = $objUser->selectHistory($from_user_id, $to_user_id, $connect);
31
32     $output = '<ul class="list-unstyled">';
33     foreach($result as $row)
34     {
35         $user_name = '';
36         $dynamic_background = '';
37         $chat_message = '';
38         if($row["from_user_id"] == $from_user_id)
39         {
40             if($row["status"] == '2')
41             {
42                 $chat_message = '<em>This message has been removed</em>';
43                 $user_name = '<b class="text-success">You</b>';
```

