Step 0 : setup docx ta follow kore nite hobe.

Step 1 : Layout design and configuration setup hubohu “**Creating a Chat Room Using Realtime Messages with Laravel Echo**” ke follow korte hobe.

Step 2: from **chat->show.blade.php** te ekta attribute create korte hobe click method ke trigger korar jonno,

element.setAttribute('onclick', 'greetUser("' + user.id + '")');

Echo.join('chat').here(*users* *=>* {

users.forEach((*user*, *index*) *=>* {

// console.log(users);

*let* element = document.createElement("li");

element.setAttribute('id', user.id);

element.setAttribute('onclick', 'greetUser("' + user.id + '")');

element.innerText = user.name;

userElement.appendChild(element);

});

}).joining(*user* *=>* {

*let* element = document.createElement("li");

element.setAttribute('id', user.id);

element.setAttribute('onclick', 'greetUser("' + user.id + '")');

element.innerText = user.name;

userElement.appendChild(element);

})

Then niche ekta script banate hobe controller e data pathanor jonno,

<script>

*function* greetUser(*id*) {

window.axios.post('/chat/greet/' + id).then(

*el* *=>* {

// console.log(el);

}

);

}

</script>

Ekta **event** banano holo **GreetingSent** naam e,

<?php

namespace App\Events;

use App\*User*;

use Illuminate\Broadcasting\*Channel*;

use Illuminate\Broadcasting\*InteractsWithSockets*;

use Illuminate\Broadcasting\*PresenceChannel*;

use Illuminate\Broadcasting\*PrivateChannel*;

use Illuminate\Contracts\Broadcasting\*ShouldBroadcast*;

use Illuminate\Foundation\Events\*Dispatchable*;

use Illuminate\Queue\*SerializesModels*;

*class* GreetingSent implements *ShouldBroadcast*

{

use *Dispatchable*, *InteractsWithSockets*, *SerializesModels*;

private $user;

public $message;

/\*\*

\* Create a new event instance.

\*

\* @return void

\*/

public *function* \_\_construct($user,$message)

{

$this->user = $user;

$this->message = $message;

}

/\*\*

\* Get the channels the event should broadcast on.

\*

\* @return \Illuminate\Broadcasting\*Channel*|array

\*/

public *function* broadcastOn()

{

\*Log*::debug($this->message);

return new *PrivateChannel*("chat.greet.{$this->user}");

}

}

Then ChatController ar web.php er route thik kore nite hobe,

From **web.php**,

// ------------------------------------ Private Chat room ------------------------------------------------

*Route*::post('/chat/greet/{user}', "ChatController@greetReceived")->name('chat.greet');

// ------------------------------------ Private Chat room ------------------------------------------------

And from **channels.php**,

*Broadcast*::channel('chat.greet.{receiver}', *function* ($user, $receiver) {

return (*int*) $user->id === (*int*) $receiver;

});

And method from **ChatController**,

public *function* greetReceived(*Request* $request, *User* $user){

broadcast(new *GreetingSent*($user->id,"{$request->user-> name} greeted you"));

broadcast(new *GreetingSent*($request->user->id,"You Greeted {$user->name}"));

return "Greeting {$user->name}";

}

Ekhn lastly ei event ta ke jevabe fetch kore kaj korte hobe,

<script>

Echo.private("chat.greet.{{ auth()->user()->id }}").listen("GreetingSent", *el* *=>* {

*let* gg = document.createElement('li');

gg.setAttribute("style", "color : green");

gg.innerText = el.message + " greeted you";

messages.appendChild(gg);

});

</script>

\*\*\*\*\* Description \*\*\*\*\*

1. Private channel and specific vabe kauke pathanor jonno **$receiver** add kora hoise jekhane condition ta hocche jodi **$user->id** and **$receiver** jodi match kore tahole oi event trigger korbe otherwise trigger korbe na
2. **GreetingSent** event e **PrivateChannel** kore pathano hoise cause data privately jabe.

public *function* broadcastOn()

{

\*Log*::debug($this->message);

return new *PrivateChannel*("chat.greet.{$this->user}");

}