

```
# Import the necessary libraries.
```

```
import asyncio
```

```
import websockets
```

```
# Create a list of public group chats.
```

```
public_group_chats = []
```

```
# Create a function to handle incoming websocket connections.
```

```
async def handle_websocket(websocket, path):
```

```
    # Get the username of the user.
```

```
    username = await websocket.recv()
```

```
    print(f"New connection from {username}")
```

```
# Add the user to the list of public group chats.
```

```
public_group_chats.append(websocket)
```

```
try:
```

```
    # Wait for the user to send a message.
```

```
    while True:
```

```
        message = await websocket.recv()
```

```
        print(f"{username}: {message}")
```

```
# Broadcast the message to all other users in the public group chats.
```

```
for other_websocket in public_group_chats:
```

```
    if other_websocket != websocket:
```

```
        await other_websocket.send(  
            f"{username}: {message}"  
        )
```

```
finally:
```

```
    # Remove the user from the list of public group chats.
```

```
    public_group_chats.remove(websocket)
```

```
    print(f"{username} has disconnected")
```

```
# Create a websocket server.
```

```
server = websockets.serve(handle_websocket, "localhost", 8000)
```

```
# Run the websocket server.
```

```
asyncio.run(server)
```