**System Sequence Diagram: Add user**

**MAIN SUCCESS SCENARIO:**

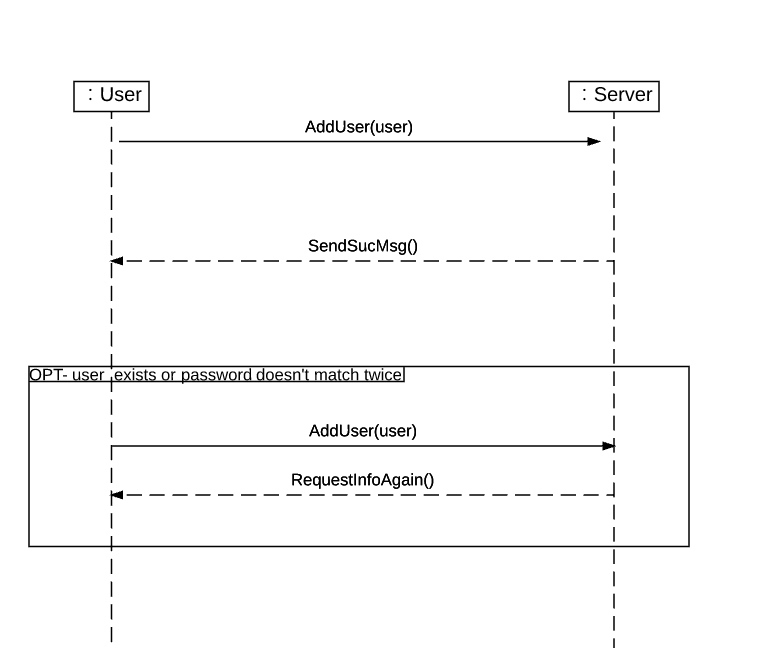
1. The administrator goes to the administrator page and navigates to the “add a new person” menu
2. The administrator system asks the administrator to fill in the information and then click register.
3. The administrator system sends the information to the server.
4. The server adds a new user its database.
5. The user is now registered.

**Alternative Path:**

4a. The user cannot be registered

1. The input password doesn’t match twice

2. The user is already existing



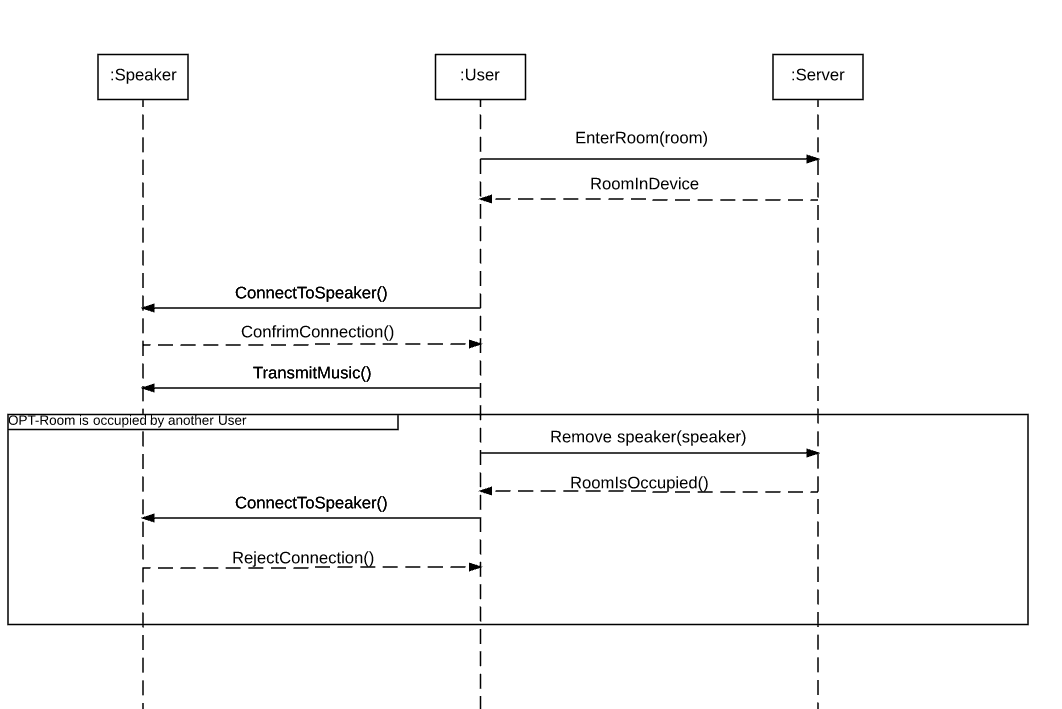
**System Sequence Diagram: Calibrate room boundaries**

**MAIN SUCCESS SCENARIO:**

1. The user walks into another room that is occupied by another user
2. The mobile app sends a message to the server telling it what room it has entered.
3. The server receives the information and check if the room is occupied by someone else. It sends that speaker’s information back to the mobile application.
4. The mobile app receives the speaker information and decide if to connect to the speaker in this room.
5. The previous user still has access to the speaker in his room

**Alternative Path:**

4. The user will not connect to speaker since he walks into a room that is occupied by anther user



**System Sequence Diagram: Disable/remove speaker**

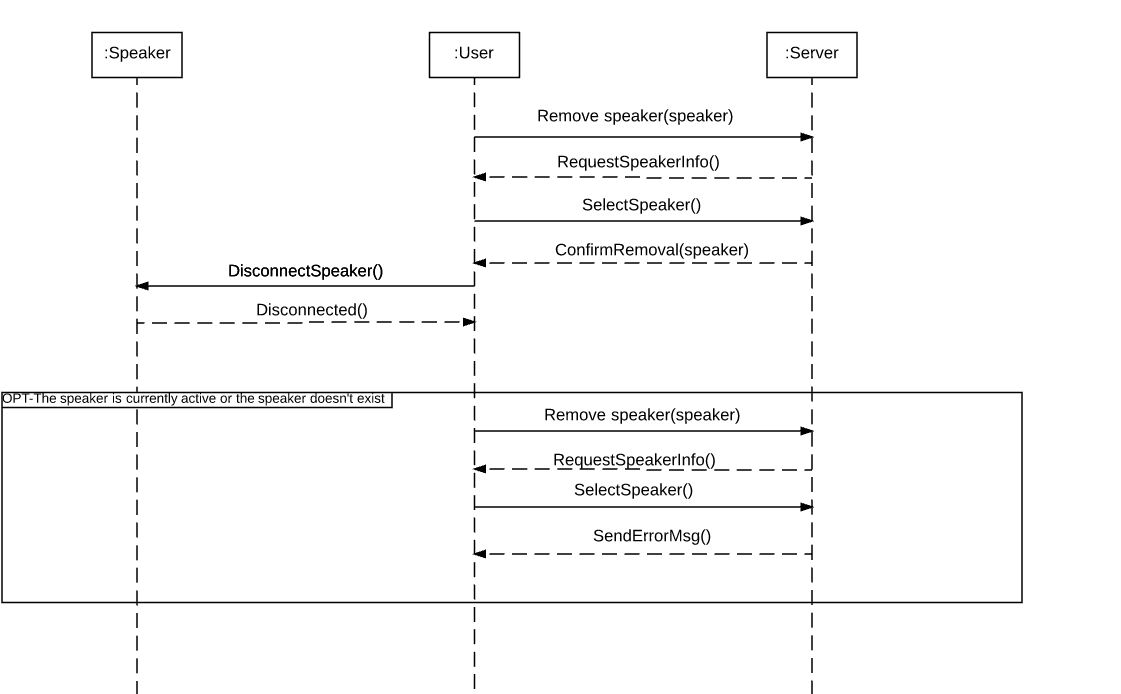
**MAIN SUCCESS SCENARIO:**

1. The user uses the mobile application and navigates to the “remove a device” menu
2. The mobile app displays the options of devices to remove
3. The user selects the speaker option.
4. The mobile app instructs the user to navigate the speaker and then click remove.
5. The mobile app sends the information to the server.
6. The server removes the speaker from its database.
7. The speaker is now removed.

**Alternative Path:**

4. The user cannot find the speaker

1. The speaker doesn’t exist
2. The speaker is currently used by a user



**System Sequence Diagram: Remove user**

**MAIN SUCCESS SCENARIO:**

1. The administrator goes to the administrator page and navigates to the “remove a user” menu
2. The page displays the options of users to remove
3. The page instructs the administrator to navigate the user and then click remove.
4. The administrator system sends the information to the server.
5. The server removes the user from its database.
6. The user is now removed.

**Alternative Path:**

4. The user cannot be removed

1. user doesn’t exist

2. administrator cannot be removed

3. user is currently using our system

