

@FXML

```
private void initialize() {
    // Add explicit ID assignments for widgets so lookup by ID works
    whiteboardContainer.setId("whiteboardContainer");
    timerContainer.setId("timerContainer");
    todoContainer.setId("todoContainer");
    aiChatContainer.setId("aiChatContainer");
    youtubeContainer.setId("youtubeContainer");
    notesContainer.setId("notesContainer");

    // Trigger send on Enter key
    // messageInput.setOnAction(event -> handleSendMessage());

    // Ensure emojiPicker is initialized
    if (emojiPicker == null) {
        emojiPicker = new VBox();
    }

    // Initialize whiteboard
    gc = whiteboardCanvas.getGraphicsContext2D();
    gc.setLineWidth(2);
    colorPicker.setValue(Color.BLACK);
    setupWhiteboard();

    // Initialize draggable controllers
    youtubeDragController = new DraggableResizableController();
    youtubeDragController.initialize(youtubeContainer);

    timerDragController = new DraggableResizableController();
    timerDragController.initialize(timerContainer);

    todoDragController = new DraggableResizableController();
    todoDragController.initialize(todoContainer);

    notesDragController = new DraggableResizableController();
    notesDragController.initialize(notesContainer);
    notesContainer.getChildren().add(new NotesWidget());
}

// Also ensure this is called in initData after widgets are set up
public void initData(Room room, User user) {
    this.currentRoom = room;
    currentRoom.debugPrintState();

    if (user == null) {
        this.currentUser = new User();
        currentUser.setId(1L);
        currentUser.setName("TestUser");
    } else {
        this.currentUser = user;
    }

    this.roomState = room.getState() != null ? room.getState() : new RoomState();
}
```

```

applySavedState();
setupStateTracking();

roomNameLabel.setText(room.getName());

try {
    Image image = new Image(getClass().getResourceAsStream("/images/" +
room.getBackgroundImage()));
    backgroundImage.setImage(image);
} catch (Exception e) {
    backgroundImage.setImage(new
Image(getClass().getResourceAsStream("/images/room2.jpg")));
}

backgroundImage.sceneProperty().addListener((obs, oldScene, newScene) -> {
    if (newScene != null) {
        backgroundImage.fitWidthProperty().bind(newScene.widthProperty());
        backgroundImage.fitHeightProperty().bind(newScene.heightProperty());
    }

    newScene.setOnMouseClicked(event -> {
        if (chatVisible &&
!chatScrollPane.getBoundsInParent().contains(event.getSceneX(), event.getSceneY())) {
            hideChatContainer();
        }
    });
});
}

```