

# JOINT APPLICATION DEVELOPMENT SESSION

Name: Md. Iftikhar Mahmud  
ID: C193074

Name: Tahsin Abrar  
ID: C193084

# Title: Joint Application Development Session

## Session Objective:

The focus of this session will be on user feedback on the features of the ongoing project. Users and the project team will both be present at the meeting to discuss users' needs and pain areas so that the team can build a more effective project development strategy. Make the project more usable and useful by addressing the users' pain concerns.

## Session Deliverables:

Having a distinct understanding of the intended results of this JAD session will be:

- User Requirements
- UX issues.
- UI improvement
- Feature Scopes
- Open Issues
- Constraints
- Business Process
- Required Resources
- Final neutral opinion of the whole process

## Participant List:

Participant Name	Role
Mr. Finance	Sponsor

Mr. FS	Session Facilitator/JAD Leader
Mr. PM	Project Manager
Mr. Dev	Developer Representative
Mr. UXI	UX/UI designer
Mr. DT	Database Admin
U1	User 1 (Representative of Students)
U2	User 2 (Representative of Administration)
U3	User 3 (Representative of Transport Div)
U4	User 4

## Meeting Checklist:

- Scheduling a conference room
- Attendance list making
- Inviting to the session
- Prepare Agenda
- Necessary equipment
- Proper Rule set
- Necessary set up for the whole session

## Conduction of Session:

**Facilitator:** Assalamu Alaikum everyone, I am Mr. 'FS', I hope everyone is doing well and healthy. We've come together today to talk about the project we're embarking on now and will start working on next week. I believe you have all already received the meeting agenda. Please abide by the ground rules listed at the bottom of the agenda, everyone. Let's take five minutes to take a quick glance at these in case you forgot.



(5 Minutes Later)

**Facilitator:** I trust that everyone has a clear knowledge of the schedule and ground rules at this point. I'd like to present Mr. "PM," our project manager, who will give us an overview of our current project.

**Project Manager:** Hello, I am Mr. "PM" currently working at Dot Net as a senior product manager. So our project Bus Management System is a web-based application for any institution that manages a huge amount of crowd and transportation for your Institution. Representatives of my team members are in the room. Just as our users have suggested here with us today, they will be directing their respective areas.

**Facilitator:** Thank you Mr. 'PM'. Now I would like to hear from our users. Did you all get the project description?

**Users:** Yes we did.

**User 1 (Representative of Students):** Hello, I am U1, a representative of the students of this institute. My question was, will I be able to select any location or just have to select the given routes and the available buses on the site?

**Project Manager:** Excellent question, I think our UI/UX designer will be the best person to share elaborated plans with us.

**UI/UX Designer:** Thank you Mr. PM for the opportunity. Firstly we stumbled upon this issue thinking it might be easy to use if we just point out the routes from start to end. Regular travelers will know which route they need to take to reach their destination. But for someone new or someone taking another route, this might be an issue. So on every route, we will be pointing out the main drop off points where a user might have a basic idea of where they want to go.

**User 1 (Representative of Students):** That sounds like an easy

solution. But what if I want to go to a specific place where the route might not mention it beforehand?

**UI/UX Designer:** Well, as the routes are already fixed you might get the basic idea of your drop off locations but for detailed routes, we might need to talk with the dev team about this.

**Project Manager:** Mr. Dev can you kindly tell everyone here if it's possible to implement this feature?

**Developer Representative:** Sure Mr. PM, allow me to demonstrate the issues here. Firstly, on a single route, there might be hundreds of drop-off points where a user can stumble into. But we need to take the Data storing part into consideration as well. We can as a matter of fact implement this by storing data manually, but it will make the service slow or inefficient. We can also implement google API for maps which would certainly solve this issue instantly but it will come up with more data cost and development costs for a simple service like this. As thousands of users will be using this, we need to take the efficiency part into consideration as well.

**User 1 (Representative of Students):** Ok that makes sense, thank you.

**User 2 (Representative of Administration):** It sounds great that you are creating a proper database for this issue. One thing I can suggest is that if it's possible can your service store regular students or traveler's data for each route? Will make things easy for us to consider more/fewer vehicles for each route making things easier for us?

**Project Manager:** This certainly is possible. Mr. DT, if Mr. Dev's team implements this feature will the Database system be helpful here?

**Database Admin:** Yes Mr. PM. If our database receives enough data for each day we can simply run a basic query for each day and calculate a mean number for each day. We can also take weather, holidays, and exams into consideration as well. Just the institution needs to provide us with enough Data for this.

**User 2 (Representative of Administration):** U3, Will the transport division be able to finish this task properly?

**User 3 (Representative of Transport Div):** Yes, most certainly. If our field members get easy to use section for data entry this task will be certainly possible for us to complete every week. But, can't this be automated?

**Project Manager:** Well, yes. But it will mean the institution will need to implement new scanning devices or manual input from the travelers for this which in both cases comes up with issues like cost or redundant/fake data.

**User 3 (Representative of Transport Div):** That makes sense. Another thing, will the students be able to request new buses or any specific route?

**UI/UX Designer:** With current features, no. Only Admins can assign new buses.

**User 3 (Representative of Transport Div):** Thanks for the clarification.

**Users 4:** Do all students need to log into the website?

**Project Manager:** No, anyone can visit the site and see all the available routes and buses. But there will be a login option. If anyone logs in, they can set a fixed route they prefer on a regular basis. So they will get an update every time they log in to check what are the available buses and bus positions are set for that specific route without going through some extra clicks.

**User 4:** Will I be able to save multiple routes? That might help some students.

**Project Manager:** Currently, No. But this can be implemented easily.

**Facilitator:** Any other preference you guys have on your mind?

**Users 4:** I think we have already discussed all the possible features on the agenda. All good from me.

(other users agree with him)

**Facilitator:** Okay then. All of you, thanks for participating. Now we have our functional and nonfunctional project requirements with us recorded by our scribe. Anything else you wanna say Mr. 'PM'?

**Project Manager:** We are looking forward to finishing our first version of the project and launching it in between 2 months. All the best to my team members. Thank you all!

**Facilitator:** So gentlemen, that was all about today's meetings. We are gonna wrap it here. Stay well!

## Session Summary:

The Scribe has compiled the following project criteria and features:

- Scope for detailed drop off locations for every route
- Efficient Database
- Data entry point for Transport Division
- Data storing for the mean number of students every day for future efficiency
- Multiple routes can be saved by one logged in user.
- Transport div can only add or remove buses for travelers
- HTML, CSS, JS, Bootstrap and PHP will be used for front and backend.