



Interviews are the Best Choice:

For our *Carpooling* project, I recommend using Interviews as the best method for gathering requirements.

Reason for Choosing Interviews:

- **Direct User Insights:** Interviews allow to gather detailed and specific feedback directly from potential users, including both drivers and passengers. This will help me understand their unique needs, preferences, and concerns regarding carpooling, such as safety, pricing, and convenience.
- **Clarifying Expectations:** We can ask questions during interviews, which ensures that we accurately capture user requirements. This is important for our project, where understanding the daily commuting patterns and expectations is crucial.
- **Depth of Information:** Interviews allow for in-depth exploration of user needs, behaviors, and preferences. We can ask follow-up questions, clarify ambiguities, and adapt our questions based on the conversation, which is crucial for a personalized service like carpooling.
- **Real-Time Feedback:** We can immediately gauge reactions, get clarifications, and explore new ideas that might not be obvious at the start. This helps in capturing both the explicit and implicit needs of users.

Reason for Choosing Joint Application Design (JAD):

- **Collaborative Requirement Gathering:**
JAD sessions involve multiple stakeholders, allowing for collaborative brainstorming and immediate consensus on key features and design decisions, which ensures that both user and business needs are addressed.

- **Accelerated Decision-Making:**
Since stakeholders participate simultaneously, decisions regarding key requirements are made faster, reducing the time spent in back-and-forth communication.

Reason for Choosing Prototyping:

- **Visualizing Requirements Early:**
Prototyping provides a tangible, visual representation of the carpooling application early in the development process, helping stakeholders understand and refine their requirements.
- **Iterative Refinement:**
Users can interact with prototypes and provide feedback, allowing for iterative refinement of features, ensuring the final product meets user expectations more effectively.

Why Other Methods are Less Suitable:

1. Questionnaires:

- **Limited Interaction:** Questionnaires gather limited, often predefined, information. We can't dive deeper into responses or ask for clarifications.
- **Low Response Rates:** There's a risk of getting too few responses, or users might not fully understand the questions, which leads to incomplete or inaccurate data.

2. Observation (Ethnography):

- **Time-Consuming:** Observing potential users during their commutes could take a lot of time and resources, and we may not directly observe the situations or challenges they face while considering carpooling.
- **Lack of Feedback:** We can only see what people do, but you can't understand *why* they make those choices without directly interacting with them.

3. Document Analysis:

- **Limited Value:** Since our project is about creating a new system rather than improving an existing one, there's not much relevant documentation to review that would help in gathering requirements for a carpooling platform.

Conclusion:

Interviews offer the most flexibility and depth in understanding users' needs for our project *Carpooling*, whereas the other methods either lack interaction or are too resource-heavy for this stage of the project.

Prepared by :

Muhammad Shah

Muhammad Yamman

Shayan Rasool

Muhammad Nasir

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