



5th Research and Fair Week: “Emerging technologies for sustainable socioeconomic development”

DOZER: Heavy Machinery Rental Hub, Streamlining Construction Equipment Access

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Background

Construction projects rely on timely access to equipment. Delays in equipment replacement can lead to project setbacks and increased costs.

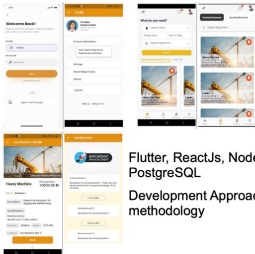
Existing methods lack efficiency in connecting with equipment suppliers and negotiating deals quickly.

Dozer connects equipment renters with those in need, simplifying the process through a user-friendly mobile app.

With Dozer, finding and renting equipment is fast and hassle-free, keeping construction projects on track.

Quick bidding feature ensures prompt equipment replacement, minimizing project delays and costs.

Methods



Flutter, ReactJs, NodeJs
PostgreSQL

Development Approach: Agile methodology

Conclusion

Using the Dozer app streamline your projects, saves time, and stay on budget.

“Rent Easy, Construct with Confidence.”

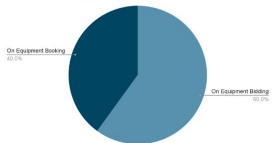
Objective

- * Save time and effort to find equipment
- * Enhance accessibility and option availability
- * Facilitate transparency and efficiency

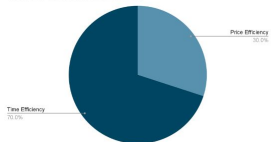
Findings

The user study conducted on our platform involved 20 participants, including constructors and users from the construction industry. The results were highly positive, indicating significant improvements in the rental experience for all participants.

User Satisfaction (20 participants)



Time vs Price Improved Efficiency



Considerations for Future Implementation

- * Real time Equipment tracking
- * AI features that curate the posts and comments