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Final Project Proposal - Database Systems

Greetings Amtrak, we are here to propose a new database system that will revolutionize the ease of access between all members and clients of your railway system. With this database you will be able to sign into different user profiles and have access to only information that is relevant to that profile. For example, if a conductor were to sign into their account, they would be able to see all passengers, departure times, arrival times, staff, current materials stored on their train, and any maintenance problems that would need to be addressed. With a user login, they would exclusively be allowed to see which trains are available with their assigned departure and arrival times, and be able to purchase tickets for trains with available seating. The final user type would be that of the maintenance profile. This user would be allowed to see all current tools available to them and all of the current issues amongst all of the trains at the station. Furthermore they would be allowed access to mark a train as "inoperable" so no passengers would be allowed to purchase tickets for that train. Furthermore our brand new TrainTrackBack.™ would store all of the train's data within our backend system, and would allow for quick and concise access. This three user system would make it so you would exclusively receive relevant data and would allow for quicker and more concise communication between conductors, mechanics, and passengers. Thank you for your consideration of our new product, we hope to be hearing from you in the future.

- TrainBoys CO.