

CSE3038 Database Systems (Fall 2024)

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### Project Proposal (Database Application on ADASTEC)

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♦ The Group Representative is marked in red!

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## 1. Project Description

This project involves developing a database application for the company ADASTEC. The application will organize data related to customer relations, accounting, inventory, and employee information by constructing a comprehensive relational database schema. A proof of concept will be created to demonstrate the system's functionality, simulating a real-world business scenario where all essential information is digitally logged and easily accessible.

## 2. Scope

The project will work with a limited dataset provided by ADASTEC, resulting in a focused, functional outcome. It aims to establish an interconnected relational network, linking employees, customers, the accounting department, and inventory. This network will improve data accessibility, streamline search functionality, and facilitate data-driven conclusions.

## 3. Customer Information

ADASTEC Corp. is a software company specializing in enabling SAE Level 4 autonomy in full-sized, full-speed electric public transit buses (ADASTEC Corp.: Overview | LinkedIn, n.d.). The company's headquarters are in Michigan, USA, with an R&D office in Istanbul, Turkey, and operations offices in the Netherlands and Sweden. This project will use data from their R&D office located at "BUDOTEK Teknopark, Dudullu OSB DES 2. Cad 8/22, Umraniye, 34776 Istanbul," with the contact email "info@adastec.com."

## 4. Customer Documentation

The complete customer document, including trade registration details, is provided in the project submission file under the name "company\_trade\_registration\_document.pdf."

## 5. Bibliography

ADASTEC Corp.: Overview | LinkedIn. (n.d.). Retrieved November 08, 2023, from <https://www.linkedin.com/company/adastec/>

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