# ttyDB

# PROJECT REPORT

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#### Introduction

Motivation behind ttyDB

**Problem Statement** 

**Target Users** 

#### **System Requirements**

**Functional Requirements** 

**Non-functional Requirements** 

**Constraints** 

#### **Design Goals & Key Decisions**

**Design Goals** 

**Critical Early Decisions** 

**Trade-offs** 

#### **System Architecture**

**Overview of Architecture** 

**High-Level Components** 

**Data Flow** 

## Natural Language to SQL Conversion

**Overview of the Conversion Process** 

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# Multi-source Data Handling

**Techniques for Data Integration** 

**Handling Data from Multiple Sources** 

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# Frontend & User Experience

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**Database Management** 

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### **Evaluation and Testing**

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**Results of Testing** 

# Challenges and Lessons Learned

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**User Feedback** 

**Lessons Learned** 

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Conclusion

**Summary of Achievements** 

**Final Thoughts** 

References