**PFL Project One**

**High Level Design Document**

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# Introduction

Residential Electrician App - The purpose to help Electricians schedule jobs, complete task for residences. Customers can also rate their electricians. AIML can help guide ELectricians on functions such as changing outlets and other electrician functions

# System Overview

The system is designed to meet business and technical requirements with modular components and scalable architecture.

# Architecture Overview

This section provides a high-level overview of the system architecture.

# Architecture Principles

* - Separation of concerns
* - Loose coupling
* - High cohesion
* - Scalability
* - Security by design

# Technology Stack

This section describes the technologies used across different layers of the application.

# Data Architecture

This section outlines the data architecture strategy including storage, modeling, and flow.

# Security Architecture

This section describes the security mechanisms employed to protect the system and its data.

# Deployment Architecture

The application is deployed across multiple environments to ensure robustness and reliability.

# Operational Considerations

This section outlines monitoring, logging, backup, and DR strategies.

# Appendices

This section includes supporting information such as definitions and acronyms.

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| Term/Acronym | Definition |
| API | Application Programming Interface |
| HLDD | High Level Design Document |