**PFL Project One**

**High Level Design Document**

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# Introduction

Residential Electrician App

# 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 |