

# Door Lock System Demo Project

## Overview

This repository contains an end-to-end demonstration project for developing an Automotive SPICE-compliant "Door Lock" system. It serves as an illustrative example of applying Automotive SPICE 4.0 processes, with full traceability, while complying with relevant standards, including ISO 26262 (Functional Safety), ISO 21434 (Cybersecurity), and Volkswagen KGAS (Group Basic Software Requirements).

The project includes sample documents, artifacts, and processes for a fictional door lock system, covering requirements elicitation, design, implementation, testing, and quality assurance. This is intended for educational, training, or reference purposes in the automotive software development community.

**Important Note:** This is a demo project only. It is not a complete, production-ready implementation and may contain simplifications, assumptions, or incomplete elements for illustrative purposes. It is not intended for real-world use in vehicles or safety-critical systems.

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## **How to Use**

- Download the files and review the structure as a learning tool.
- Do not use in production environments.
- If adapting, ensure compliance with all relevant standards and legal requirements in your jurisdiction.

## **Feedback and Contact**

For the official reference point on CORE SPICE, visit [corespice.org](http://corespice.org). Any questions, suggestions, or issues should be directed to [info@corespice.org](mailto:info@corespice.org). We also encourage discussions and community engagement in the LinkedIn group "CORE SPICE" (see <https://www.linkedin.com/groups/12996289/>). Contributions or improvements are welcome, but must adhere to the license terms.

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