[Project Title]

```
[Project Title]
```

Project Overview

High-Level Block Diagram (use DrawlO or plantUML for diagrams)

Hardware Requirements

Software Components

Implementation Approach

Learning Outcomes

How to Continue This Project in the Driver Development Course

Getting Started

Prerequisites

Project Structure

Build Instructions

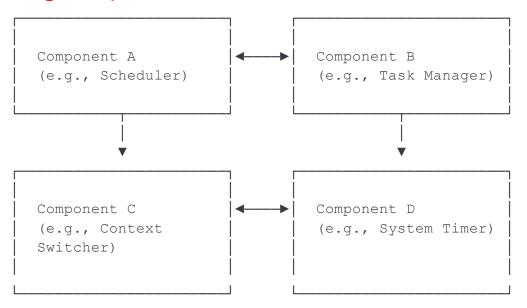
Assessment Criteria

References

Project Overview

Brief description of the project, its purpose, and main functionality.

High-Level Block Diagram (use DrawlO or plantUML for diagrams)



Hardware Requirements

- STM32 microcontroller model
- Required peripherals
- Additional hardware components

Software Components

- Component 1: Description and purpose
- Component 2: Description and purpose
- Component 3: Description and purpose

Implementation Approach

Detailed description of how the project should be implemented, including:

- Initialization sequence
- Main algorithms
- Critical functions
- Hardware configuration

Learning Outcomes

Key skills and knowledge students will gain from this project:

- Outcome 1
- Outcome 2
- Outcome 3

How to Continue This Project in the Driver Development Course

Describes how students can extend this project in the next course:

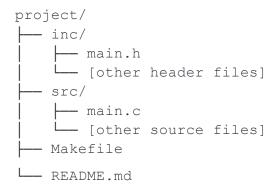
- Extension 1
- Extension 2
- Extension 3

Getting Started

Prerequisites

- Development environment requirements
- Required libraries or tools

Project Structure



Build Instructions

Steps to build the project:

- 1. Step 1
- 2. Step 2
- 3. Step 3

Assessment Criteria

How the project will be evaluated:

- Criterion 1
- Criterion 2
- Criterion 3

References

- Relevant documentation
- Useful resources
- Reference materials