

Assignment 1 - System Categorization  
*Data Flow Diagrams*  
CSE 4380

Group Thorin

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Members:   Obadah Al-Smadi  
                  Betim Hodza  
                  Elliot Mai  
                  Benjamin Niccum  
                  Nicholas Pratt  
Instructor:   Trevor Bakker

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# **1 Data Flow Analysis**

## **1.1 Data Identification**

### **1.1.1 Types of Data Processed**

### **1.1.2 Data Classification**

## **1.2 Data Flow Diagrams (DFDs)**

### **1.2.1 Level 0 (Context Diagram)**

High-level representation of external interactions with ground control, cloud storage, and third-party services.

### **1.2.2 Level 1 DFDs**

Detailed flow between onboard sensors, processors, storage, and communication systems.

## **1.3 Interfaces**

### **1.3.1 Types of Interfaces**

### **1.3.2 Protocols & Security Features**