**Software Engineering**

**Project Title:** GitHome

**Date of Submission:** 4-Dec-23

**Submitted to:** Dr. Imran Rao

**Group members:**

|  |  |
| --- | --- |
| **Name** | **CMS ID** |
| Rayyan Athar Hussain | 365691 |
| Muhammad Toasiq | 398757 |
| Hamaz Hamza | 365670 |
| Omer Farooq | 377187 |
| Abdullah Fazeel | 337188 |

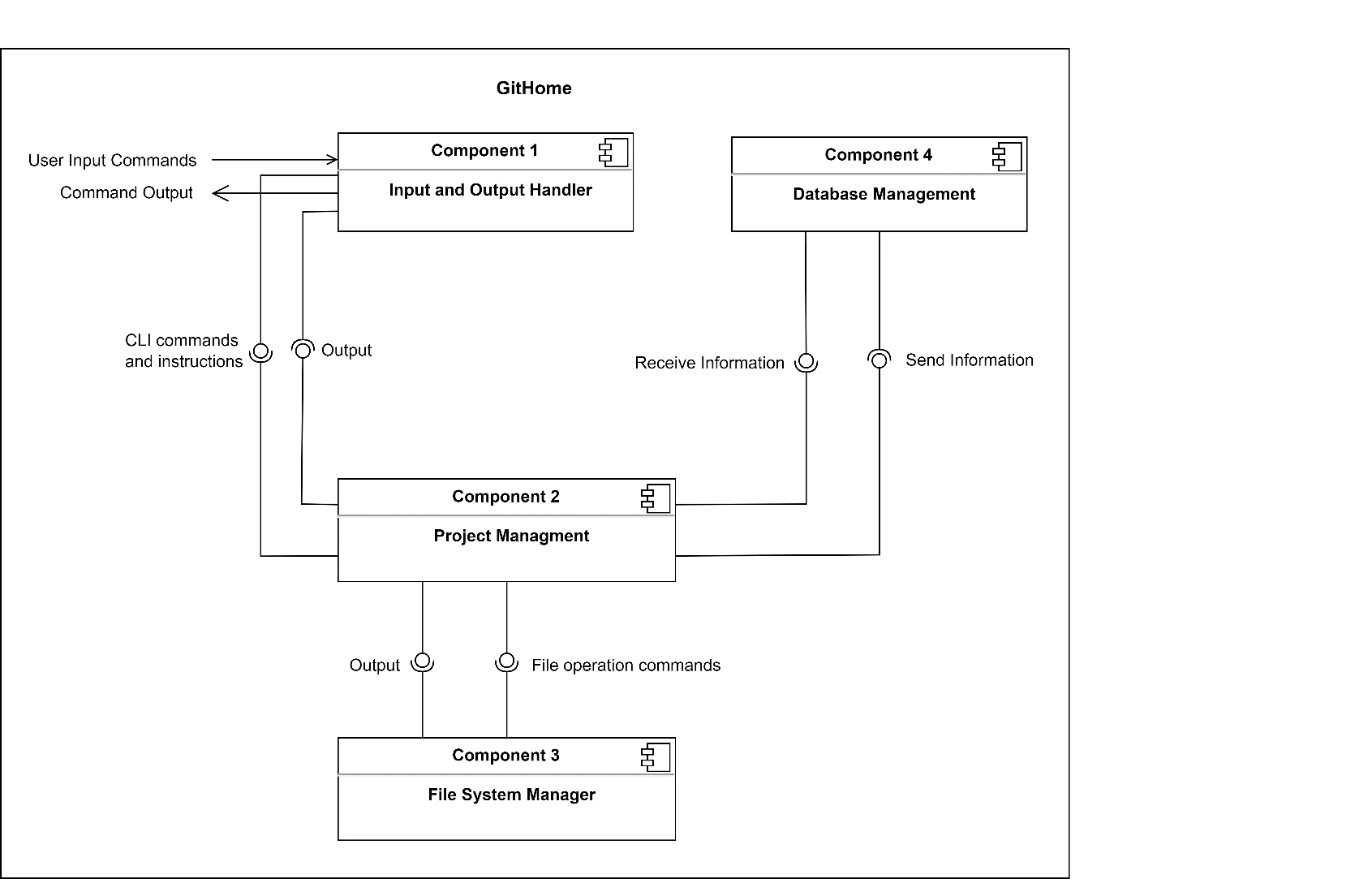
**1. Context Level Diagram:**

The context level diagram shows two external entities that communicate with the system. The user interfaces the system via Command Line Interface commands and receives output of these commands and the system communicates with the operating system mainly for file handling and management.

**A diagram of a git home

Description automatically generated**

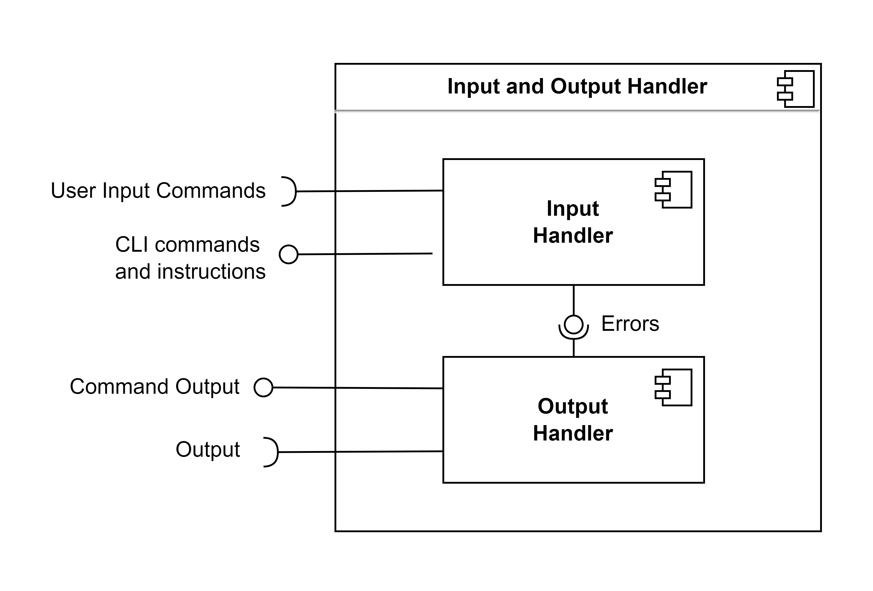
**2. Architecture Diagram:**

****

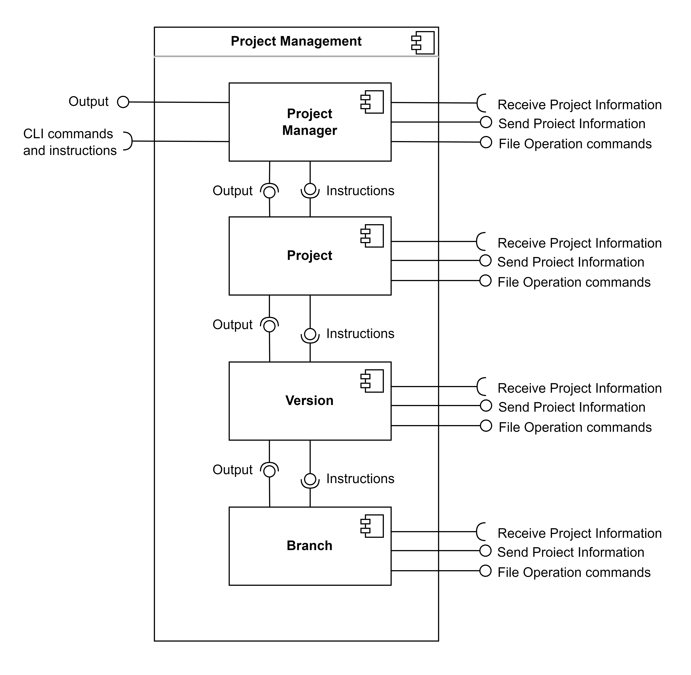
**3. Component Diagram:**

The following Component Diagram shows the details of each module defined in the Architecture Diagram

**Component 1:**

****

**Component 2:**

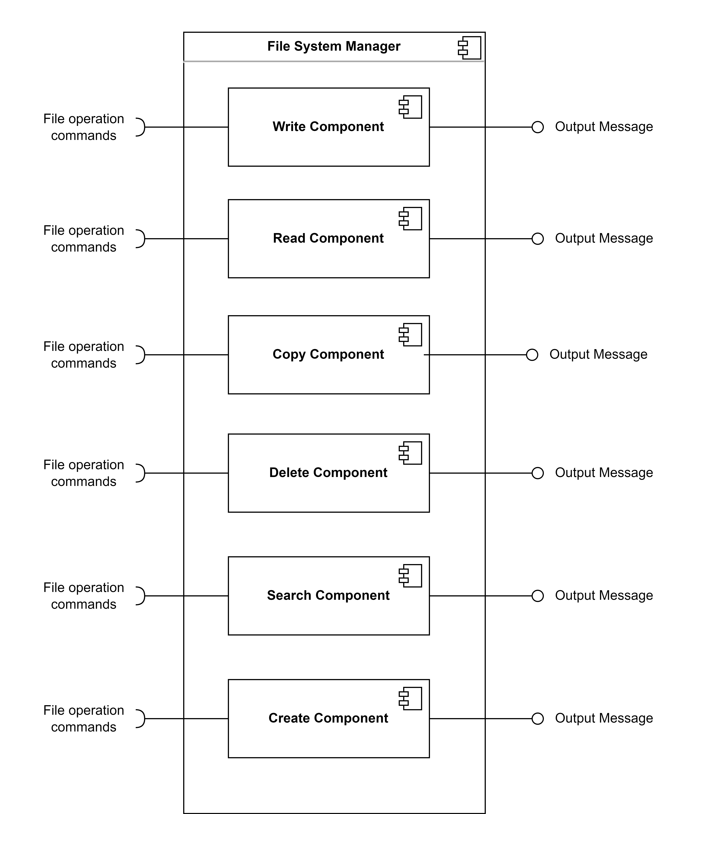
****

**Component 3:**

**A diagram of a project management

Description automatically generated**

**Component 4:**

****

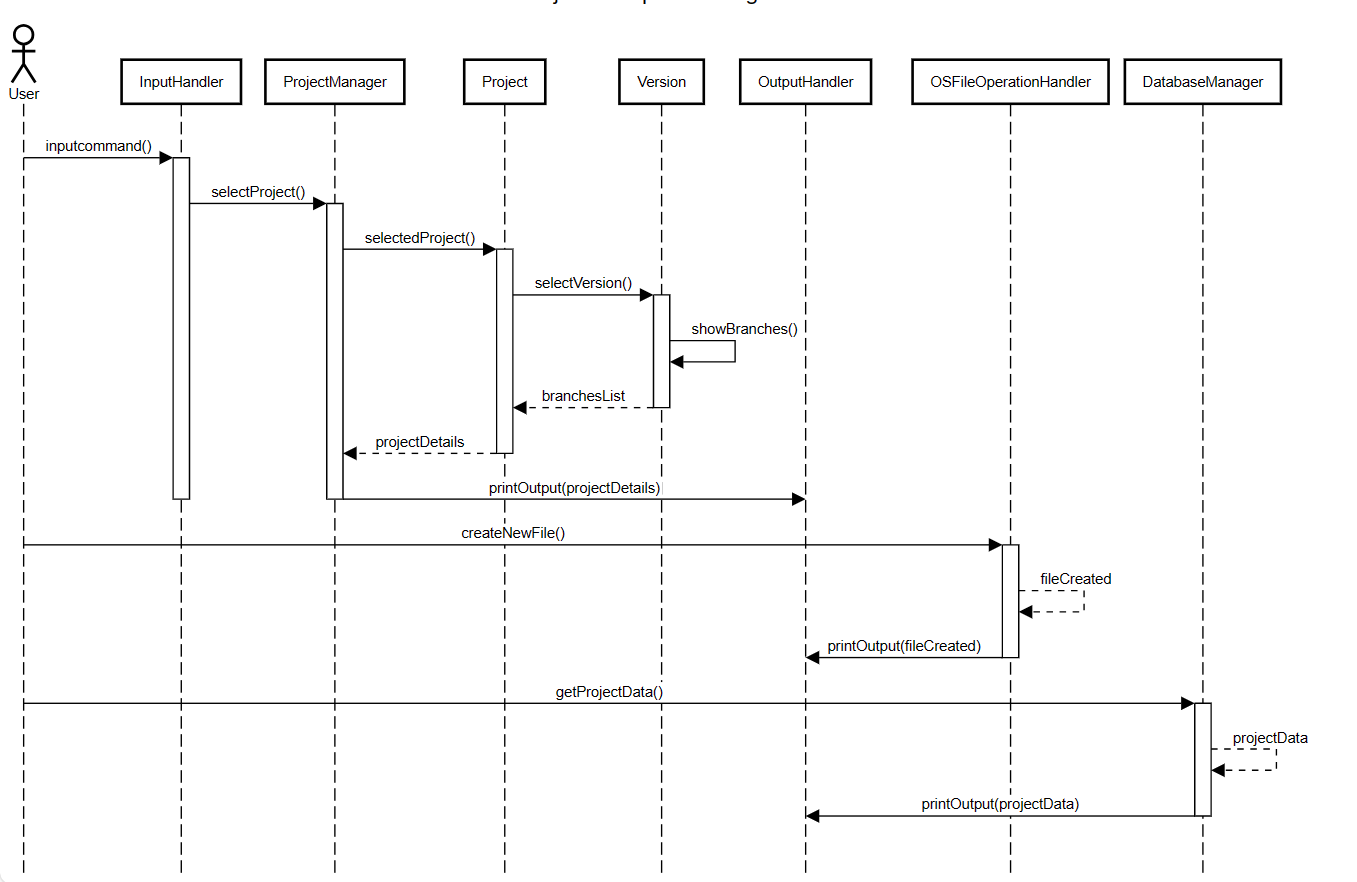
**4. Class Diagram:**

A diagram of a company

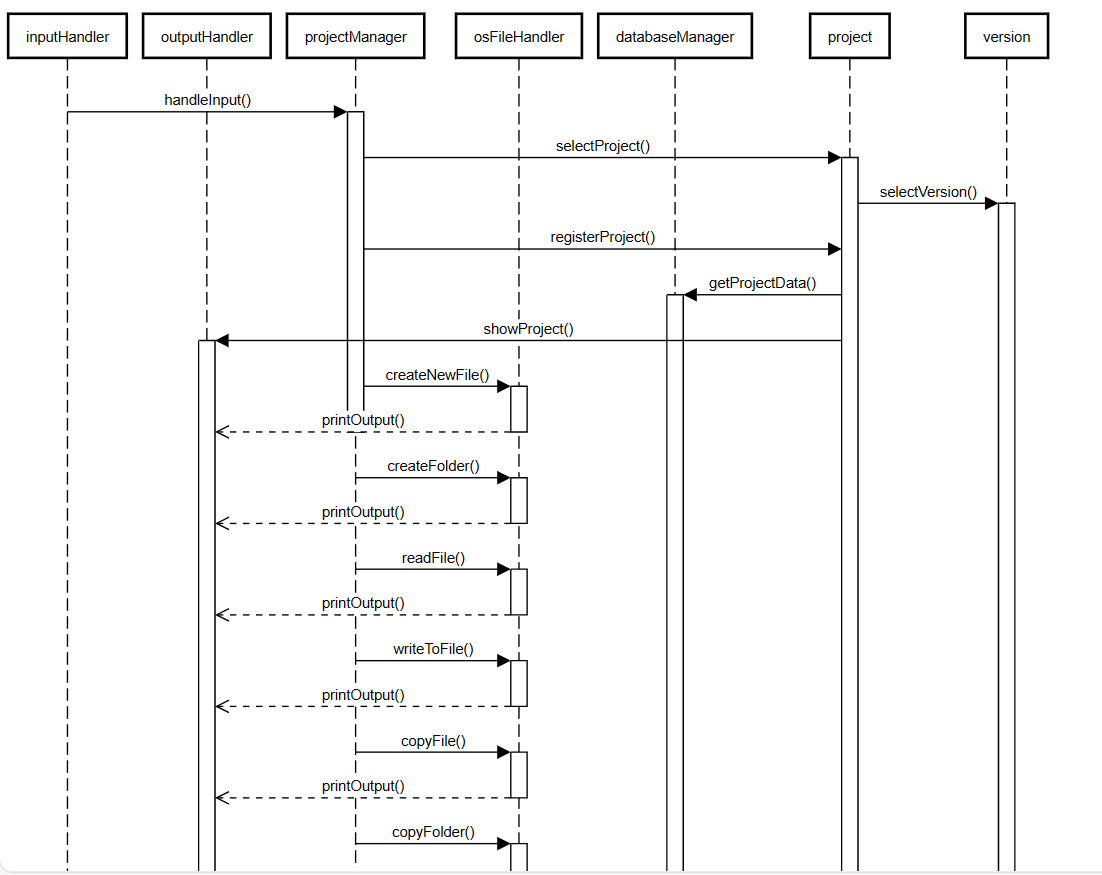
Description automatically generated with medium confidence

**5. Sequence Diagram:**

**Project Management:**

****

**Version Management:**



A diagram of a computer

Description automatically generated

**Branch Management:**

A diagram of a company

Description automatically generated

A diagram with lines and words

Description automatically generated with medium confidence