**About the Project:**

The project demonstrates Security System Software Demo. The project has been completed as per requirements provided in the document named ‘Sample CLD Exam - Security System.pdf’. Two different solutions are provided to fulfill the requirements.

1. **Solution #1:** The file is named ‘Main\_State Machine Based.vi’. This VI demonstrates development of the software using state Machine design pattern.
2. **Solution #2:** The file is named ‘Main\_Events Based.vi’. This VI demonstrates development of the software using User Interface Event Handler.

**Data Logging:**

Data is logged into ‘Log Zones Data.csv’ file which is saved in the application directory.

**Change Number of Zones:**

Proceed as follow to change number of Zones:

1. Increase/Decrease the number of controls for Alarm, Bypass, and Tamper (Just Drag).
2. Set these controls (Alarm, Bypass, and Tamper) as default.
3. Open the typedef ‘Zone Status Indicators.ctl’ and increase/decrease the indicators accordingly.

Developer:

**Hameed Ali**