MVVM*INotifyPropertyChanged IAnomalyDetector* + NotifyPropertyChanged() findAnomaly(string anomalyCSVPath) Dictionary<string, List<long>> getAnomalyReport() *IClientModel* + NotifyPropertyChanged() + connect() miniCircleDLL SimpleAnomalyDetector + float Aileron {get(), set()} + findAnomaly(string anomalyCSVPath) findAnomaly(string anomalyCSVPath) + string Corralative {get(), set()} + Dictionary<string, List<long>> Dictionary<string, List<long>> + int lineNumber {get(), set()} getAnomalyReport() getAnomalyReport() extern functions: extern functions: + void detecting(IntPtr sad, IntPtr + void learnnig(IntPtr sad, string wrapAR, string detectfileName) CSVfileName); Client + connect() DLL - c++ + float Aileron {get(), set()} + NotifyPropertyChanged() + string Corralative {get(), set()} SimpleAnomalyDetector (c++) CircleAnomalyDetector (c++) + int lineNumber {get(), set()} void detecting(CircleAnomalyDetector * cad, void learnnig(SimpleAnomalyDetector * sad, const char* CSVfileName) VectorWrapper * wrapAR, const char* detectfileName) viewModelJoystick GraphViewModel ViewModelController - IClientModelclientModel; IClientModelclientModel; IClientModelclientModel; + void onPropertyChanged (string + dynamic dllAlgo; + void onPropertyChanged (string propName) propName) + void onPropertyChanged (string + void initFlightVar() + string FindCorralativeFeature (string propName) attName) + VM_aileron {get(), set()} + void resumeConnection() + VM_corralative {get(), set()} + VM_lineNumber {get(), set()} data binding data binding MainWindow graphView JoystickView + ViewModelController data - GraphViewModel controllerViewModel; binding graphViewModel; + viewModelJoystick joystickVM; - void Pause_Button_Click(object void Button_Click(object sender, sender, RoutedEventArgs e) RoutedEventArgs e) - void Button_Click(object sender, RoutedEventArgs e)