

>> Class Diagram: "GoogleVisionAPI_App"

Start Page *GoogleVisionAPI_App X

System.Windows.Application
App

- + InitializeComponent(): void
- + Main(): void

*Application***App**

- Application_DispatcherUnhandledException(object, System.Windows.Threading.DispatcherUnhandledExceptionEventArgs): void

INotifyPropertyChanged
ImageEntity

- _imageText: string

OnPropertyChanged(string): void

«property»

- + AnnotateRequest(): AnnotateImageRequest
- + CleanImageName(): String
- + Data(): Stream
- + ImageName(): String
- + ImageObj(): Google.Apis.Storage.v1.Data.Object
- + ImagePath(): String
- + ImageText(): string
- + ProgressValue(): int

«event»

- + PropertyChanged(): PropertyChangedEventHandler

ImageView

- _collection: ObservableCollection<ImageEntity>
- _progressBar: ProgressBar
- lockObj1: object = new object()

- CreateRequet(Google.Apis.Storage.v1.Data.Object): AnnotateImageRequest
- + GetAllImageData(ObservableCollection<ImageEntity>, ProgressBar): Task<List<ImageEntity>>
- + GetBucket(string): Task<List<ImageEntity>>
- GetGoogleCredential(): GoogleCredential
- GetInfo(AnnotateImageResponse, string): Tuple<string, string>

*IMultiValueConverter***TextInputToVisibilityConverter**

- + Convert(object[], Type, object, System.Globalization.CultureInfo): object
- + ConvertBack(object, Type[], object, System.Globalization.CultureInfo): object[]

MainWindow*Window*

- ListImageEntityObj: ObservableCollection<ImageEntity>
- DoAsync(Action): void
- + LoadImages(): void
- + MainWindow()
- SearchButton_Click(object, RoutedEventArgs): void
- SearchClear_Click(object, RoutedEventArgs): void

ImageVisionApiHelper













