

System. Windows. Application App

InitializeComponent(): void
Main(): void

Application App

 $Application_Dispatcher Unhandled Exception (object, System. Windows. Threading. Dispatcher Unhandled Exception Event Args): void the properties of the pro$

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>

Window

MainWindow

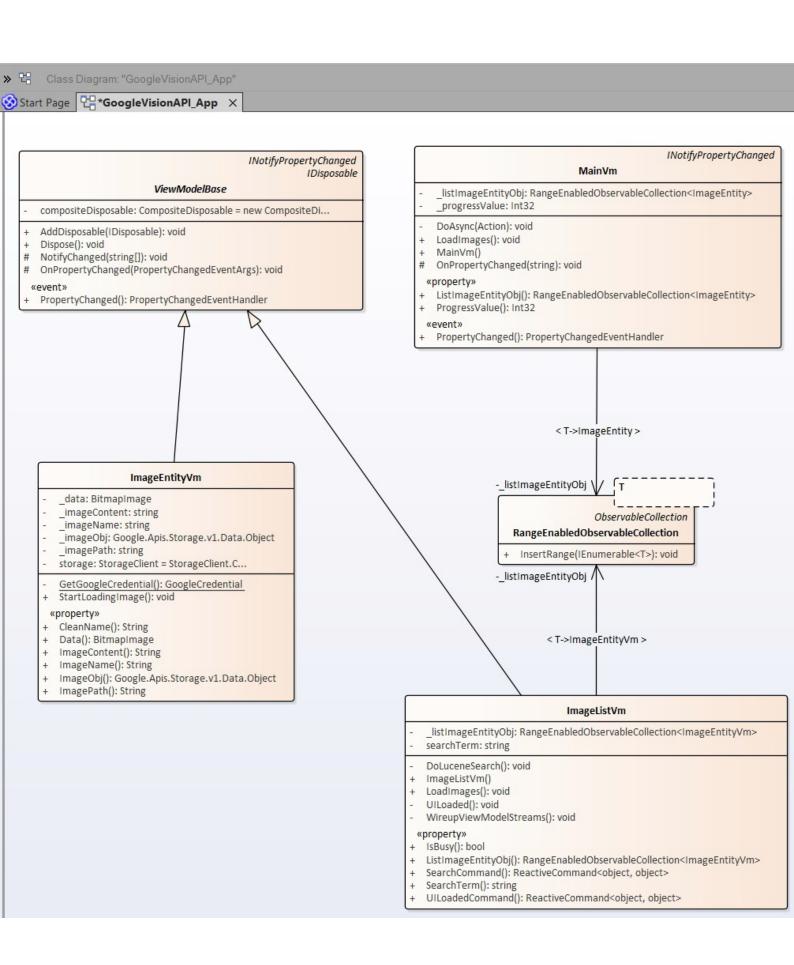
- ListImageEntityObj: ObservableCollection<ImageEntity>
- DoAsync(Action): void
- + LoadImages(): void
- + MainWindow()
- SearchButton_Click(object, RoutedEventArgs): void
- SearchClear_Click(object, RoutedEventArgs): void

IMultiValueConverter

TextInputToVisibilityConverter

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

ImageVisionApiHelper





IValueConverter

BitmapImageVisionConverter

- credential: GoogleCredential = GetGoogleCreden...
- storage: StorageClient = StorageClient.C...
- urlSigner: UrlSigner = UrlSigner.FromS...
- BuildString(EntityAnnotation): string
- + Convert(object, Type, object, CultureInfo): object
- + ConvertBack(object, Type, object, CultureInfo): object
- DoAsync(Action): void
- + GetBitmapInfo(Google.Apis.Storage.v1.Data.Object): string
- GetGoogleCredential(): GoogleCredential
- HexConverter(System.Drawing.Color): String

-visionConverter /\

IValueConverter

BitmapImageConverter

- storage: StorageClient = StorageClient.C...
- visionConverter: BitmapImageVisionConverter = new BitmapImage...
- + Convert(object, Type, object, CultureInfo): object
- + ConvertBack(object, Type, object, CultureInfo): object
- DoAsync(Action): void
- + GetBitmap(Google.Apis.Storage.v1.Data.Object): BitmapImage
- GetGoogleCredential(): GoogleCredential
- HexConverter(System.Drawing.Color): String
- + ImageInfo(BitmapImage, Google.Apis.Storage.v1.Data.Object): Task

System. Windows. Window

System. Windows. Markup. I Component Connector

MainWindow

- _contentLoaded: bool
- AppMainWindow: GoogleVisionAPI_App.MainWindow
- IbImageGallery: System.Windows.Controls.ListBox
- pbStatus: System. Windows. Controls. ProgressBar
- SearchBox: System.Windows.Controls.TextBox
- SearchButton: System.Windows.Controls.Button
- SearchClear: System.Windows.Controls.Button
- + InitializeComponent(): void
- Windows.Markup.IComponentConnector.Connect(int, object): void

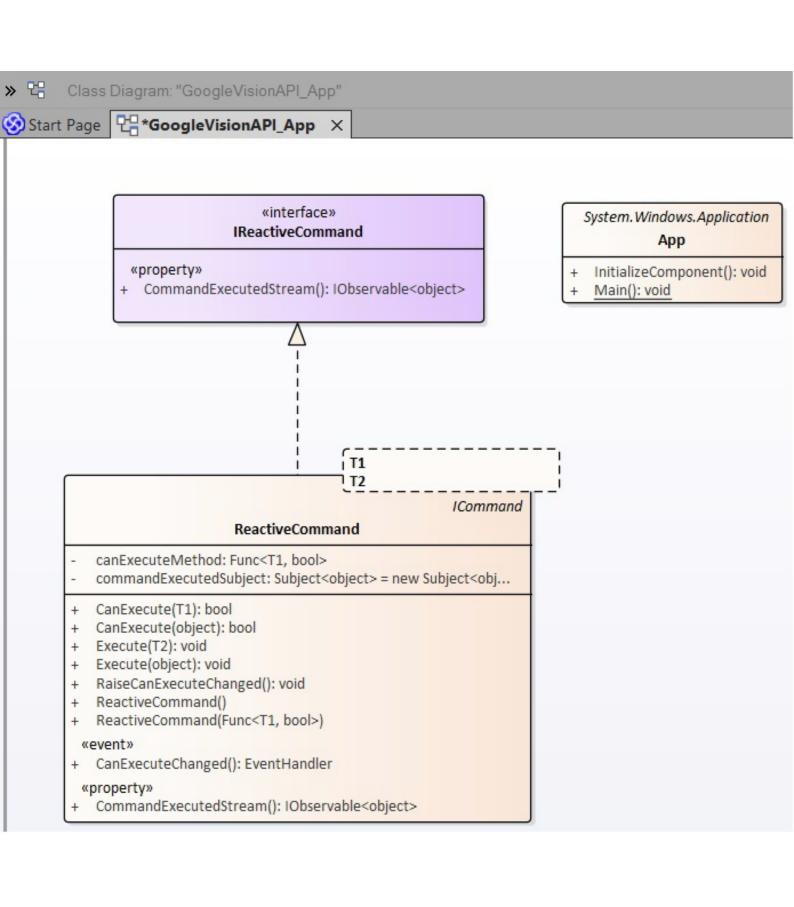
~AppMainWindow /

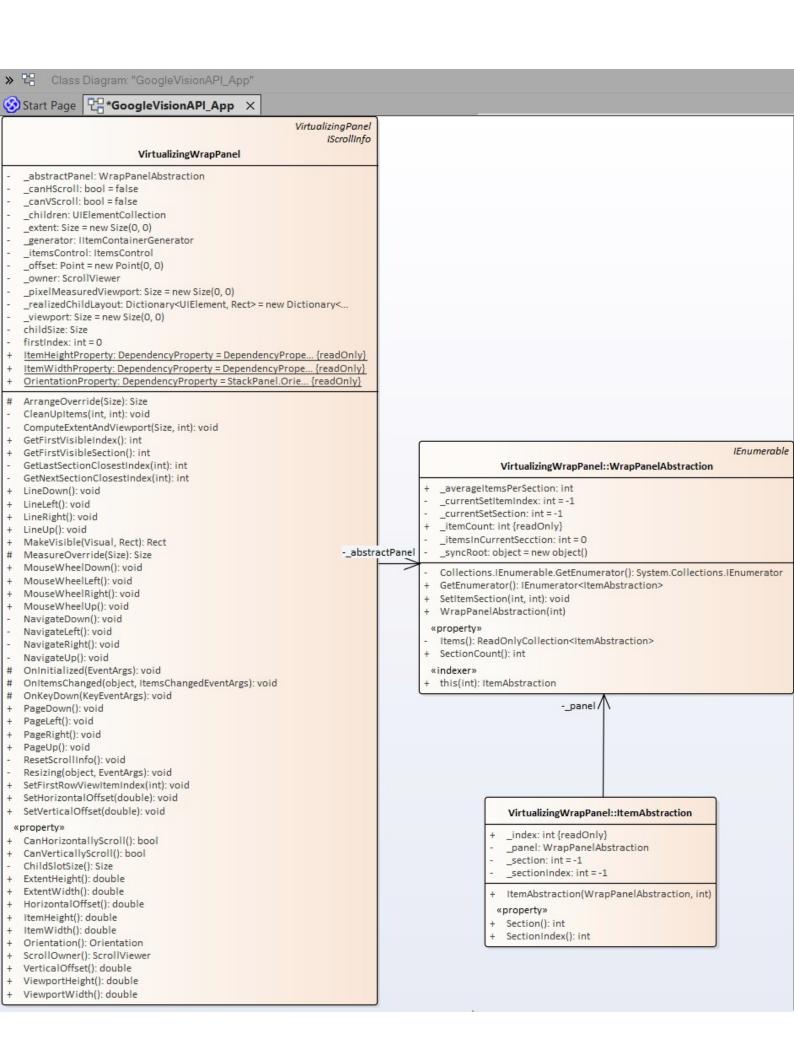
~AppMainWindow

System. Windows. Window System. Windows. Markup. I Component Connector

MainWindow

- contentLoaded: bool
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- IbImageGallery: System.Windows.Controls.ListBox
- pbStatus: System.Windows.Controls.ProgressBar
- SearchBox: System.Windows.Controls.TextBox
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- ~ SearchClear: System. Windows. Controls. Button
- + InitializeComponent(): void
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«interface» ILuceneService

LuceneService

- service: LuceneService
- analyzer: Analyzer = new StandardAna...
- + ContentField: string = "content"
- + FileNameField: string = "filename"
- + ImageContentField: string = "imagecontent"
- indexPath: string = System.AppDomai...
- luceneIndexDirectory: Directory
- writer: IndexWriter
- + AddIndexes(string, string, byte[]): void
- + AddIndexesAsync(string, string, byte[]): Task
- + Flush(): void
- InitializeLucene(): void
- LuceneService()
- + Search(string): IEnumerable<string>
- + Search(string, int): IEnumerable<System.Tuple<string, string, string>>

«property»

+ Context(): LuceneService

properties.jpg



Resources

- resourceCulture: global::System.Globalization.CultureInfo
- resourceMan: global::System.Resources.ResourceManager
- ~ Resources()

«property»

- Culture(): global::System.Globalization.CultureInfo
- ~ ResourceManager(): global::System.Resources.ResourceManager

System.Configuration.ApplicationSettingsBase Settings

{leaf}

- defaultInstance: Settings = ((Settings)(glo...

«property»

+ Default(): Settings





System.Windows.Markup.InternalTypeHelper

GeneratedInternalTypeHelper

{leaf}

- # AddEventHandler(System.Reflection.EventInfo, object, System.Delegate): void
- # CreateDelegate(System.Type, object, string): System.Delegate
- # CreateInstance(System.Type, System.Globalization.CultureInfo): object
- # GetPropertyValue(System.Reflection.PropertyInfo, object, System.Globalization.CultureInfo): object
- # SetPropertyValue(System.Reflection.PropertyInfo, object, object, System.Globalization.CultureInfo): void

System.Windows.Markup.InternalTypeHelper

GeneratedInternalTypeHelper

{leaf}

- # AddEventHandler(System.Reflection.EventInfo, object, System.Delegate): void
- # CreateDelegate(System.Type, object, string): System.Delegate
- # CreateInstance(System.Type, System.Globalization.CultureInfo): object
- # GetPropertyValue(System.Reflection.PropertyInfo, object, System.Globalization.CultureInfo): object
- # SetPropertyValue(System.Reflection.PropertyInfo, object, object, System.Globalization.CultureInfo): void