

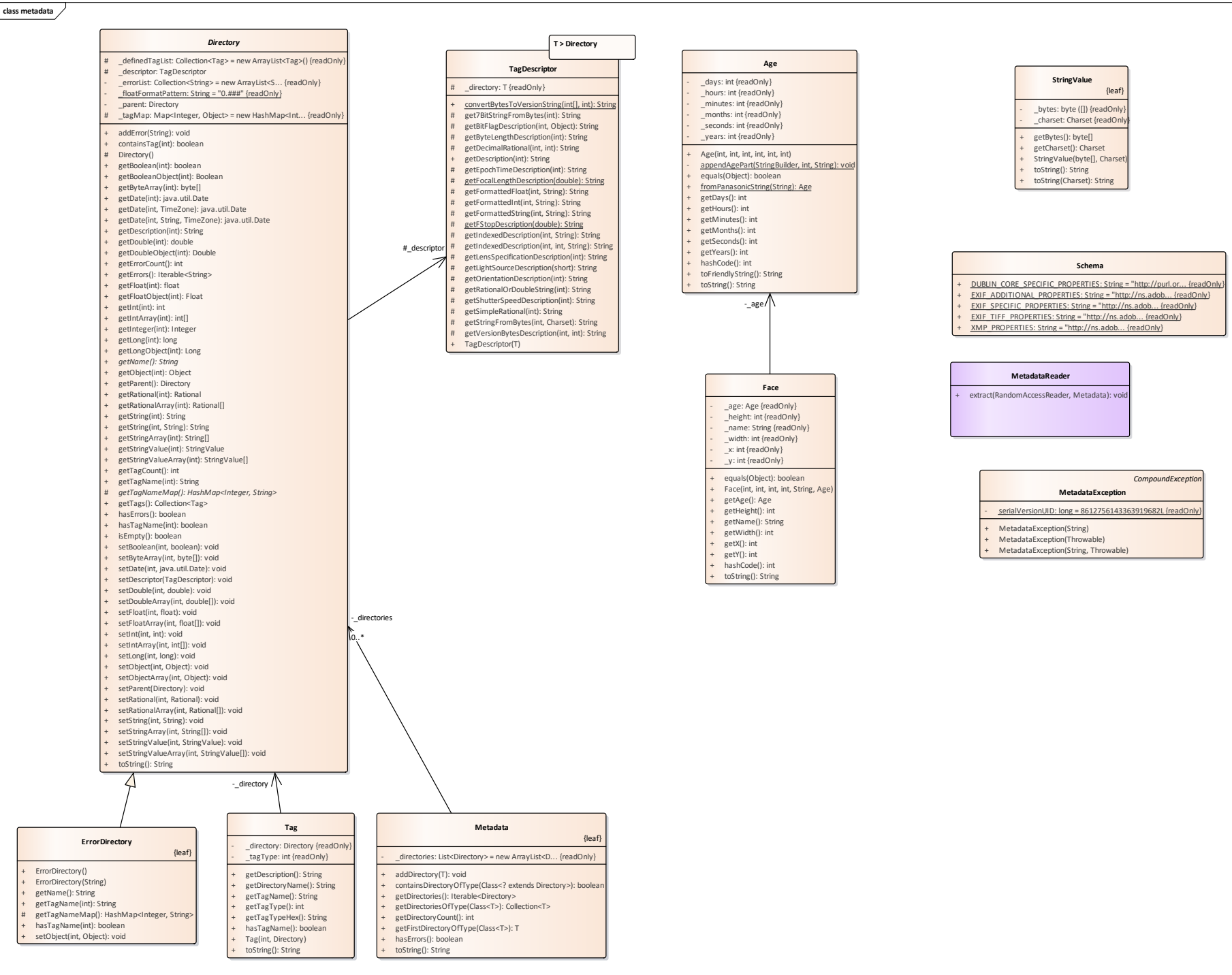
metadata-extractor

Reengineering mit Enterprise Architect

21.22.2017

Dr. Ingo Kreuz

metadata



jpeg

class jpeg

HuffmanTablesDirectory::HuffmanTable
<div><div>- lengthBytes: byte ([]) {readOnly}</div><div>- tableClass: HuffmanTableClass {readOnly}</div><div>- tableDestinationId: int {readOnly}</div><div>- tableLength: int {readOnly}</div><div>- valueBytes: byte ([]) {readOnly}</div></div>
<div><div>+ getLengthBytes(): byte[]</div><div>+ getTableClass(): HuffmanTableClass</div><div>+ getTableDestinationId(): int</div><div>+ getTableLength(): int</div><div>+ getValueBytes(): byte[]</div><div>+ HuffmanTable(HuffmanTableClass, int, byte[], byte[])</div><div>+ isOptimized(): boolean</div><div>+ isTypical(): boolean</div></div>

TagDescriptor
HuffmanTablesDescriptor
<div><div>+ getDescription(int): String</div><div>+ getNumberOfTablesDescription(): String</div><div>+ HuffmanTablesDescriptor(HuffmanTablesDirectory)</div></div>

HuffmanTableClass
<div>DC</div> <div>AC</div> <div>UNKNOWN</div>
<div><div>+ typeOf(int): HuffmanTableClass</div></div>

JpegCommentReader
<div><div>+ getSegmentTypes(): Iterable<JpegSegmentType></div><div>+ readJpegSegments(Iterable<byte[]>, Metadata, JpegSegmentType): void</div></div>

Serializable
JpegComponent
<div><div>- _componentId: int {readOnly}</div><div>- _quantizationTableNumber: int {readOnly}</div><div>- _samplingFactorByte: int {readOnly}</div><div>- serialVersionUID: long = 61121257899091914L {readOnly}</div></div> <div><div>+ getComponentId(): int</div><div>+ getComponentName(): String</div><div>+ getHorizontalSamplingFactor(): int</div><div>+ getQuantizationTableNumber(): int</div><div>+ getVerticalSamplingFactor(): int</div><div>+ JpegComponent(int, int, int)</div><div>+ toString(): String</div></div>

Directory
JpegDirectory
<div># _tagNameMap: HashMap<Integer, String> = new HashMap<Int... {readOnly}</div> <div>+ TAG_COMPONENT_DATA_1: int = 6 {readOnly}</div> <div>+ TAG_COMPONENT_DATA_2: int = 7 {readOnly}</div> <div>+ TAG_COMPONENT_DATA_3: int = 8 {readOnly}</div> <div>+ TAG_COMPONENT_DATA_4: int = 9 {readOnly}</div> <div>+ TAG_COMPRESSION_TYPE: int = -3 {readOnly}</div> <div>+ TAG_DATA_PRECISION: int = 0 {readOnly}</div> <div>+ TAG_IMAGE_HEIGHT: int = 1 {readOnly}</div> <div>+ TAG_IMAGE_WIDTH: int = 3 {readOnly}</div> <div>+ TAG_NUMBER_OF_COMPONENTS: int = 5 {readOnly}</div>
<div><div>+ getComponent(int): JpegComponent</div><div>+ getImageHeight(): int</div><div>+ getImageWidth(): int</div><div>+ getName(): String</div><div>+ getNumberOfComponents(): int</div><div>+ getTagNameMap(): HashMap<Integer, String></div><div># JpegDirectory()</div></div>

Directory
HuffmanTablesDirectory
<div># _tagNameMap: HashMap<Integer, String> = new HashMap<Int... {readOnly}</div> <div># tables: List<HuffmanTable> = new ArrayList<H... {readOnly}</div> <div>+ TAG_NUMBER_OF_TABLES: int = 1 {readOnly}</div> <div># TYPICAL_CHROMINANCE_AC_LENGTHS: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_CHROMINANCE_AC_VALUES: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_CHROMINANCE_DC_LENGTHS: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_CHROMINANCE_DC_VALUES: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_LUMINANCE_AC_LENGTHS: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_LUMINANCE_AC_VALUES: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_LUMINANCE_DC_LENGTHS: byte ([]) = { (byt... {readOnly}</div> <div># TYPICAL_LUMINANCE_DC_VALUES: byte ([]) = { (byt... {readOnly}</div>
<div><div>+ getName(): String</div><div>+ getNumberOfTables(): int</div><div>+ getTable(int): HuffmanTable</div><div># getTables(): List<HuffmanTable></div><div># getTagNameMap(): HashMap<Integer, String></div><div>+ HuffmanTablesDirectory()</div><div>+ isOptimized(): boolean</div><div>+ isTypical(): boolean</div></div>

TagDescriptor
JpegCommentDescriptor
<div><div>+ getJpegCommentDescription(): String</div><div>+ JpegCommentDescriptor(JpegCommentDirectory)</div></div>

Directory
JpegCommentDirectory
<div># _tagNameMap: HashMap<Integer, String> = new HashMap<Int... {readOnly}</div> <div>+ TAG_COMMENT: int = 0 {readOnly}</div>
<div><div>+ getName(): String</div><div># getTagNameMap(): HashMap<Integer, String></div><div>+ JpegCommentDirectory()</div></div>

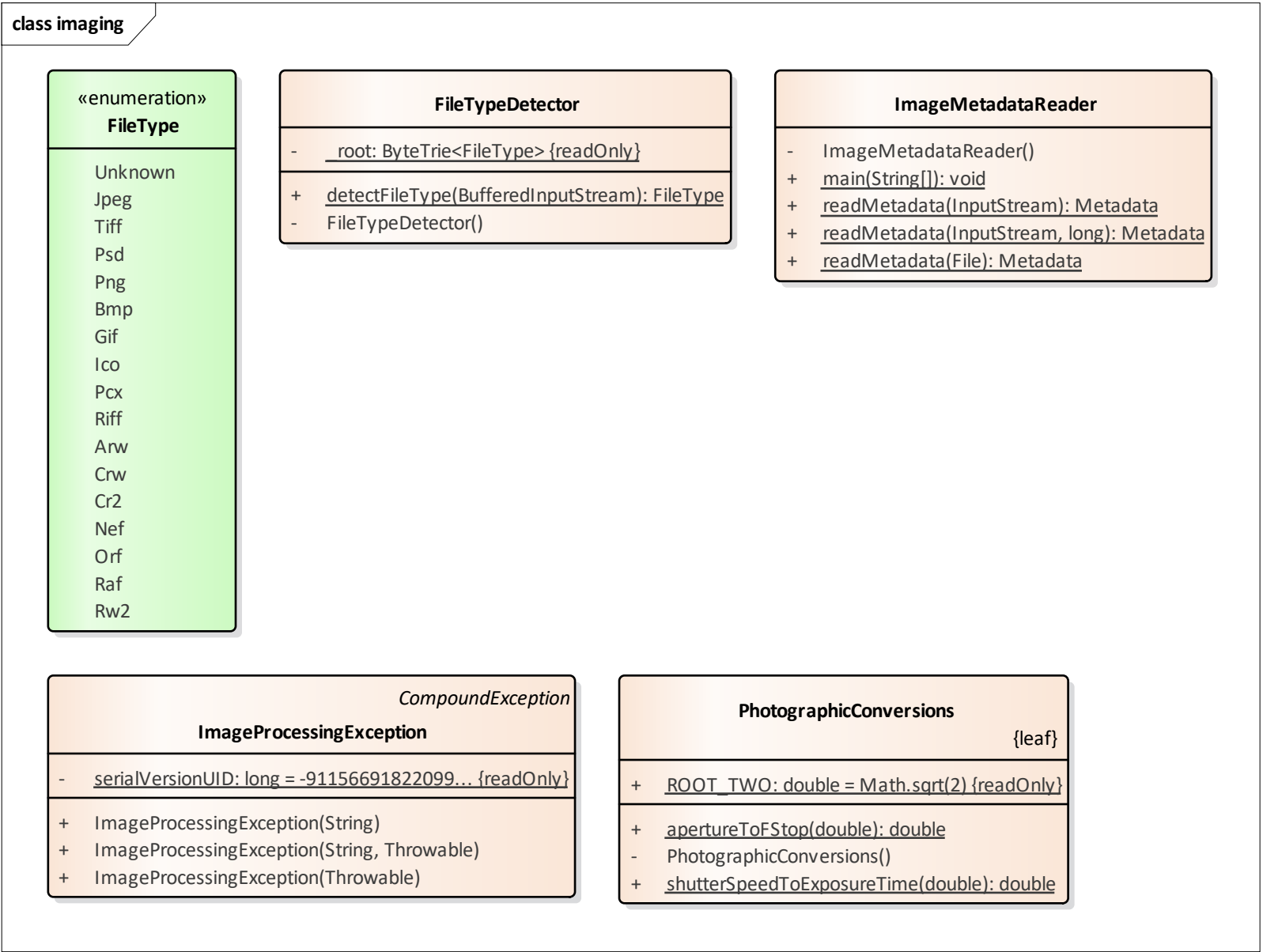
TagDescriptor
JpegDescriptor
<div><div>+ getComponentDataDescription(int): String</div><div>+ getDataPrecisionDescription(): String</div><div>+ getDescription(int): String</div><div>+ getImageCompressionTypeDescription(): String</div><div>+ getImageHeightDescription(): String</div><div>+ getImageWidthDescription(): String</div><div>+ JpegDescriptor(JpegDirectory)</div></div>

JpegDhtReader
<div><div>+ extract(SequentialReader, Metadata): void</div><div>- getBytes(SequentialReader, int): byte[]</div><div>+ getSegmentTypes(): Iterable<JpegSegmentType></div><div>+ readJpegSegments(Iterable<byte[]>, Metadata, JpegSegmentType): void</div></div>

JpegDnlReader
<div><div>+ extract(byte[], Metadata, JpegSegmentType): void</div><div>+ getSegmentTypes(): Iterable<JpegSegmentType></div><div>+ readJpegSegments(Iterable<byte[]>, Metadata, JpegSegmentType): void</div></div>

JpegReader
<div><div>+ extract(byte[], Metadata, JpegSegmentType): void</div><div>+ getSegmentTypes(): Iterable<JpegSegmentType></div><div>+ readJpegSegments(Iterable<byte[]>, Metadata, JpegSegmentType): void</div></div>

imaging



tools

class tools

