



<<Interface>> Observer	
+update(eventCode:int): void	
<--Observer	

<<Interface>> Subject	
+registerObserver(observer:Observer&): void	
+removeObserver(observer:Observer&): void	
+notify(eventCode:int): void	
<--Subject()	

OriginalViewTab
#staticBitmap1: wxGenericStaticBitmap*
#staticBitmap2: wxGenericStaticBitmap*
#image1: std::shared_ptr<const wxImage>
#image2: std::shared_ptr<const wxImage>
#blankImage: std::shared_ptr<const wxImage>
+OriginalViewTab(parent:wxWindow*)
+onTabResize(event:wxSizeEvent&): void
+repaintTab(): void

DiffListTab
#list: wxListView*
+DiffListTab(parent:wxWindow*)

ViewTab
+markForUpdate(): void
+update(diffContainer:const std::list<std::shared_ptr<const PixelDiff>>&, image1:std::shared_ptr<const wxImage>, image2:std::shared_ptr<const wxImage>): void

LayerTab
#image1: std::shared_ptr<const wxImage>
#image2: std::shared_ptr<const wxImage>
#slider: wxSlider*
#staticBitmap1: wxGenericStaticBitmap*
#staticBitmap2: wxGenericStaticBitmap*
+LayerTab(parent:wxWindow*)
+onSliderUpdate(event:wxCommandEvent&): void
+onTabResize(event:wxSizeEvent&): void
+repaintTab(): void

HeatmapTab
#staticBitmap: wxGenericStaticBitmap*
#image: wxImage
#blankImage: std::shared_ptr<const wxImage>
+HeatMapTab(parent:wxWindow*)
+repaintTab(): void
+generateHeatmap(diffContainer:const std::list<std::shared_ptr<const PixelDiff>>&): void
+onTabResize(event:wxSizeEvent&): void

Image Utils
+isGeometryEqual(image1:const wxImage&,image2:const wxImage&): bool
+comparePixelAlpha(alphaValue1:unsigned char, alphaValue2:unsigned char, tolerance:double): double
+comparePixelRGB(RGBValue1:wxImage::RGBValue, RGBValue2:wxImage::RGBValue, tolerance:double): double
+comparePixelHSV(HSVValue1:wxImage::HSVValue, HSVValue2:wxImage::HSVValue, tolerance:double): double

DisplayUtils
+generateBlankImage(width:int,height:int): wxImage
+getLargestProportionalSize(objectWidth:int, objectHeight:int, containerWidth:int, containerHeight:int): wxSize
+mixColor(sourceColor:wxImage::RGBValue, maskColor:wxImage::RGBValue,percentage:double): wxImage::RGBValue