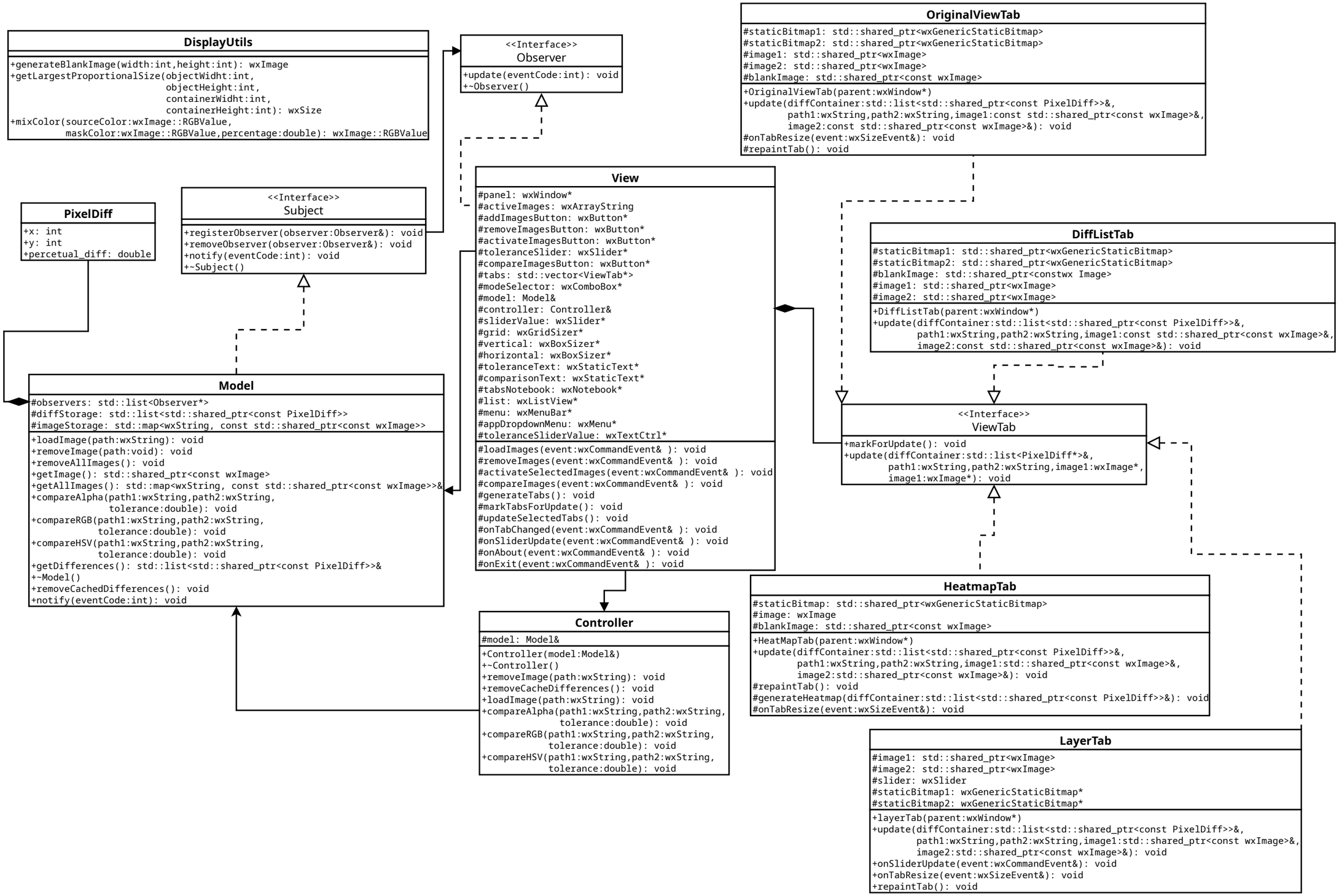
DisplayUtils
+generateBlankImage(width:int,height:int): wxImage
+getLargestProportionalSize(objectWidht:int,
objectHeight:int,
containerWidht:int,
containerHeight:int): wxSize
+mixColor(sourceColor:wxImage::RGBValue,
maskColor:wxImage::RGBValue,percentage:double): wxImage::RGBValue
<<Interface>>
Observer
+update(eventCode:int): void
+~Observer()
OriginalViewTab
#staticBitmap1: std::shared_ptr<wxGenericStaticBitmap>
#staticBitmap2: std::shared_ptr<wxGenericStaticBitmap>
#image1: std::shared_ptr<wxImage>
#image2: std::shared_ptr<wxImage>
#blankImage: std::shared_ptr<const wxImage>
+OriginalViewTab(parent:wxWindow*)
+update(diffContainer:std::list<std::shared_ptr<const PixelDiff>>&,
path1:wxString,path2:wxString,image1:const std::shared_ptr<const wxImage>&,
image2:const std::shared_ptr<const wxImage>&): void
#onTabResize(event:wxSizeEvent&): void
#repaintTab(): void
PixelDiff
+x: int
+y: int
+percetual_diff: double
<<Interface>>
Subject
+registerObserver(observer:Observer&): void
+removeObserver(observer:Observer&): void
+notify(eventCode:int): void
+~Subject()
View
#panel: wxWindow*
#activeImages: wxArrayString
#addImagesButton: wxButton*
#removeImagesButton: wxButton*
#activateImagesButton: wxButton*
#toleranceSlider: wxSlider*
#compareImagesButton: wxButton*
#tabs: std::vector<ViewTab*>
#modeSelector: wxComboBox*
#model: Model&
#controller: Controller&
#sliderValue: wxSlider*
#grid: wxGridSizer*
#vertical: wxBoxSizer*
#horizontal: wxBoxSizer*
#toleranceText: wxStaticText*
#comparisonText: wxStaticText*
#tabsNotebook: wxNotebook*
#list: wxListView*
#menu: wxMenuBar*
#appDropdownMenu: wxMenu*
#toleranceSliderValue: wxTextCtrl*
#loadImages(event:wxCommandEvent&): void
#removeImages(event:wxCommandEvent&): void
#activateSelectedImages(event:wxCommandEvent&): void
#compareImages(event:wxCommandEvent&): void
#generateTabs(): void
#markTabsForUpdate(): void
#updateSelectedTabs(): void
#onTabChanged(event:wxCommandEvent&): void
#onSliderUpdate(event:wxCommandEvent&): void
#onAbout(event:wxCommandEvent&): void
#onExit(event:wxCommandEvent&): void
DiffListTab
#staticBitmap1: std::shared_ptr<wxGenericStaticBitmap>
#staticBitmap2: std::shared_ptr<wxGenericStaticBitmap>
#blankImage: std::shared_ptr<constwx Image>
#image1: std::shared_ptr<wxImage>
#image2: std::shared_ptr<wxImage>
+DiffListTab(parent:wxWindow*)
+update(diffContainer:std::list<std::shared_ptr<const PixelDiff>>&,
path1:wxString,path2:wxString,image1:const std::shared_ptr<const wxImage>&,
image2:const std::shared_ptr<const wxImage>&): void
Model
#observers: std::list<Observer*>
#diffStorage: std::list<std::shared_ptr<const PixelDiff>>
#imageStorage: std::map<wxString, const std::shared_ptr<const wxImage>>
+loadImage(path:wxString): void
+removeImage(path:void): void
+removeAllImages(): void
+getImage(): std::shared_ptr<const wxImage>
+getAllImages(): std::map<wxString, const std::shared_ptr<const wxImage>>&
+compareAlpha(path1:wxString,path2:wxString,
tolerance:double): void
+compareRGB(path1:wxString,path2:wxString,
tolerance:double): void
+compareHSV(path1:wxString,path2:wxString,
tolerance:double): void
+getDifferences(): std::list<std::shared_ptr<const PixelDiff>>&
+~Model()
+removeCachedDifferences(): void
+notify(eventCode:int): void
<<Interface>>
ViewTab
+markForUpdate(): void
+update(diffContainer:std::list<PixelDiff*>&,
path1:wxString,path2:wxString,image1:wxImage*,
image1:wxImage*): void
HeatmapTab
#staticBitmap: std::shared_ptr<wxGenericStaticBitmap>
#image: wxImage
#blankImage: std::shared_ptr<const wxImage>
+HeatMapTab(parent:wxWindow*)
+update(diffContainer:std::list<std::shared_ptr<const PixelDiff>>&,
path1:wxString,path2:wxString,image1:std::shared_ptr<const wxImage>&,
image2:std::shared_ptr<const wxImage>&): void
#repaintTab(): void
#generateHeatmap(diffContainer:std::list<std::shared_ptr<const PixelDiff>>&): void
#onTabResize(event:wxSizeEvent&): void
Controller
#model: Model&
+Controller(model:Model&)
+~Controller()
+removeImage(path:wxString): void
+removeCacheDifferences(): void
+loadImage(path:wxString): void
+compareAlpha(path1:wxString,path2:wxString,
tolerance:double): void
+compareRGB(path1:wxString,path2:wxString,
tolerance:double): void
+compareHSV(path1:wxString,path2:wxString,
tolerance:double): void
LayerTab
#image1: std::shared_ptr<wxImage>
#image2: std::shared_ptr<wxImage>
#slider: wxSlider
#staticBitmap1: wxGenericStaticBitmap*
#staticBitmap2: wxGenericStaticBitmap*
+layerTab(parent:wxWindow*)
+update(diffContainer:std::list<std::shared_ptr<const PixelDiff>>&,
path1:wxString,path2:wxString,image1:std::shared_ptr<const wxImage>&,
image2:std::shared_ptr<const wxImage>&): void
+onSliderUpdate(event:wxCommandEvent&): void
+onTabResize(event:wxSizeEvent&): void
+repaintTab(): void