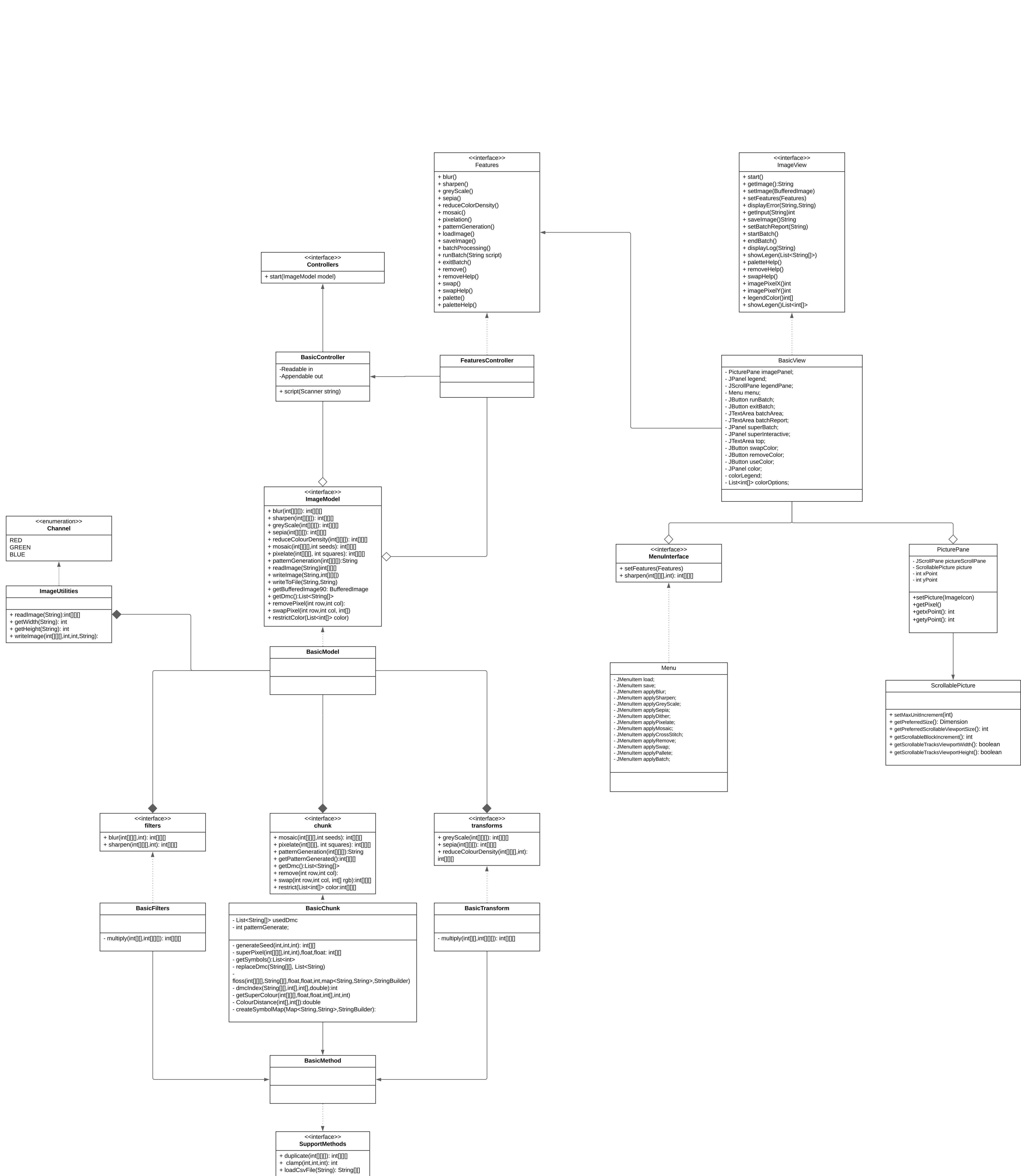


UPDATED UML DIAGRAM



## Testing Plan

Testing Blur Command		Expected Value
Test Blur input Passed	log.toString()	"Ran blur"
Test Blur Output Passed	out.toString()	"Blur ran successfully"
Test Blur input when image not loaded first	log.toString()	""
Test Blur output when image not loaded first	out.toString()	"(Error name) blur did not run"

Testing Sharpen Command		Expected Value
Test Sharpen input Passed	log.toString()	"Ran sharpen"
Test Sharpen Output Passed	out.toString()	"sharpen ran successfully"
Test Sharpen input when image not loaded first	log.toString()	""
Test Sharpen output when image not loaded first	out.toString()	"(Error name) sharpen did not run"

Testing GreyScale Command		Expected Value
Test GreyScale input Passed	log.toString()	"Ran greyScale"
Test GreyScale Output Passed	out.toString()	"grey ran successfully"
Test GreyScale input when image not loaded first	log.toString()	""
Test GreyScale output when image not loaded first	out.toString()	"(Error name) sharpen did not run"

Testing Sepia Command		Expected Value
Test Sepia input Passed	log.toString()	"Ran sepia"
Test Sepia Output Passed	out.toString()	"sepia ran successfully"
Test Sepia input when image not loaded first	log.toString()	""
Test Sepia output when image not loaded first	out.toString()	"(Error name) sharpen did not run"

Testing Reduce Command		Expected Value
Test Reduce input Passed	log.toString()	"Ran reduceColorDensity"
Test Reduce Output Passed	out.toString()	"reduceColorDensity ran successfully"
Test Reduce input when image not loaded first	log.toString()	""
Test Reduce output when image not loaded first	out.toString()	"(Error name) reduceColorDensity did not run"

Testing toMosaic Command		Expected Value
Test toMosaic input Passed	log.toString()	"Ran mosaic"
Test toMosaic Output Passed	out.toString()	"mosaic ran successfully"
Test toMosaic input when image not loaded first	log.toString()	""
Test toMosaic output when image not loaded first	out.toString()	"(Error name) reduceColorDensity did not run"

Testing pixelate Command		Expected Value
Test pixelate input Passed	log.toString()	"Ran pixelate"
Test pixelate Output Passed	out.toString()	"pixelate ran successfully"
Test pixelate input when image not loaded first	log.toString()	" "
Test pixelate output when image not loaded first	out.toString()	"(Error name) pixelate did not run"

Testing pattern Command		Expected Value
Test pattern input Passed	log.toString()	"Ran patternGeneration"
Test pattern Output Passed	out.toString()	"pattern ran successfully"
Test pattern input when image not loaded first	log.toString()	" "
Test pattern output when image not loaded first	out.toString()	"(Error name) pattern did not run"

Testing load Command		Expected Value
Test load input Passed	log.toString()	"Ran load"
Test load Output Passed	out.toString()	"load ran successfully"
Test load input when io exception thrown	log.toString()	" "
Test load output when io exception thrown	out.toString()	"(Error name) load did not run"

Testing save Command		Expected Value
Test save input Passed	log.toString()	"Ran WriteImage"
Test save Output Passed	out.toString()	"save ran successfully"
Test save input when io exception thrown	log.toString()	""
Test save output when io exception thrown	out.toString()	"(Error name) load did not run"

Testing Unsupported Command		Expected Value
Test the input for command thats not supported	log.toString()	""
Test the output for command thats not supported	out.toString()	"(unknown command) is not a command"

Testing Wrong extra input to supported command		Expected Value
Test the input for wrong extra input thats not supported	log.toString()	""
Test the output for wrong extra input thats not supported	out.toString()	"(name of command) ran successfully but didn't (name of command)"

Testing Null Model		Expected Exception
Test passing null model	log.toString()	IllegalArgumentException