

AppRunner	
<ul style="list-style-type: none">Starts the javaFX application	

PixelControl	
<ul style="list-style-type: none">Creates a Pixel arraydecodes patterns and sets individual pixels certain colorsreturns properties from Pixels when prompted (strip length, sent serial comms, etc)get Pixel valuesReturns whether the LED strip is set up as a matrix (a panel rather than a strip)Creates a SerialComms thread and objectsend commands(Strings) to the SerialComms object	<ul style="list-style-type: none">PixelPixelPixelPixelnoneSerialCommsSerialComms

Abstract	Pixel	LED
<ul style="list-style-type: none">Set a color on an individual LEDset an average Color on a individual LEDset a smart average on a individual LEDget the x and y position of this LED	<ul style="list-style-type: none">RGBRGBRGBRGB	

Abstract LED Pixel	
<ul style="list-style-type: none"> • Set Red • Set Green • Set Blue • Get Red • Get Green • Get Blue 	<ul style="list-style-type: none"> • Pixel • Pixel • Pixel • none • none • none

Abstract SerialComms	
<ul style="list-style-type: none"> • Return if it can send another command yet • Return any Strings sent from the Arduino • Get a command and send it to the buffer • Create an array of Strings as a command buffer 	<ul style="list-style-type: none"> • none • none • PixelControl • none

MainViewDisplayFX	
<ul style="list-style-type: none"> • Displays the GUI • gets any CSS classes • sends actions to the controller class • Generates a initialization popup window 	<ul style="list-style-type: none"> • none • CSS stuff • ModelsAndViewsControllerFX • InitPopup

ModelsAndViewsControllerFX	
<ul style="list-style-type: none"> • receives commands from the MainViewDisplayFX class • sends commands to the patternizer 	<ul style="list-style-type: none"> • MainViewDisplayFX • Patternizer

Patternizer	
<ul style="list-style-type: none"> • Recieves commands from the ModelsAndViewsController • Manages the PixelControl class • Parses Strings of text to create pattern types • saves/loads patterns 	<ul style="list-style-type: none"> • ModelsAndViewsController • PixelControl • none • none

Kaizen_85	
<ul style="list-style-type: none"> • Get a String and add it to a List • When panic(), print off list in specified file • get file directory to print to 	<ul style="list-style-type: none"> • none • none • InitPopup

InitPopup	
<ul style="list-style-type: none"> • Pops up during main GUI init, gets data from the user (LED info, file paths, etc) 	<ul style="list-style-type: none"> • MainViewDisplayFX

Abstract Settings	
<ul style="list-style-type: none"> • Acts as a way of transferring multiple integers, Strings, and booleans that are the setting given by InitPopup, and that the backend uses 	<ul style="list-style-type: none"> • InitPopup, Patternizer, PixelControl, MainViewDisplayFX