

Location Class

```
Location(int row, int col)
int getRow()
int getCol()
boolean equals(Location other)
```

Color Class

```
Color(int red, int green, int blue)
int getRed()
int getGreen()
int getBlue()
boolean equals(Color other)
```

GridDisplay Class

```
GridDisplay(int numRows, int numCols)
GridDisplay(String imageFileName) //for manipulating pixels
int getNumRows()
int getNumCols()
boolean isValid(Location loc)
Color getColor(Location loc)
void setColor(Location loc, Color color)
String getImage(Location loc) //null if empty
void setImage(Location loc, String image) //null to remove image

void pause(int milliseconds)
Location checkLastLocationClicked() // null if no location clicked
int checkLastKeyPressed() //-1 if no key pressed

void setTitle(String title)
void setLineColor(Color color) //show grid lines
void showMessageDialog(String message)
String showInputDialog(String message)
String showInputDialog(String message, String[] choices)

void load(String imageFileName) //fill window with colors from file
void save(String imageFileName) //save window colors to file
```