CITS1001 Extensions for Project 2

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saveImage() Method

This method is in the StegoImage.java class

`public void saveImage(String filename)`

The first feature adds the ability to save a StegoImage as a local image. This method takes the BufferedImage from StegoImage, and writes it to a jpeg with the name `filename`.

StegoImage() Constructor

This constructor is in the StegoImage.java class

`public StegoSecret(String filename, String message, int inputwidth, int inputheight)`

This constructor takes `filename, message, inputwidth, inputheight` and constructs a StegoImage with a BufferedImage containing the `message`. This image is the size specified in the parameters. This constructor primarily relies on the method `private BufferedImage text2Image(String message)`. This method takes the `message` and writes it to and returns a BufferedImage. This method also 'scales' the text in the image. If all of the message fits onto one line, the text is maximsed to the length of the line (fills the line). If the text does fit on a single line, the text is split evenly by length amongst multiple lines.

This feature paired with the saveImage method allows custom messages to be created and shared. This functionality was not possible before