**Application Design**

These designs are some examples of what my app will look like in the finished version.

Design 1:

Here the program uses a slider here to change the current speed.

It shows this in the box her in numeric.

It also shows the speed in two separate boxes, one in MPH and the other in KPH.

The program also has an exit button which shuts down all windows at once.

Speed (KPH):

Speed (MPH):

0

0

EXIT

Current Speed:

0

Design 2:

This program is a variation of the first where the MPH and KPH indicators are included in the main window; however it still uses a slider to change the speed.

KPH

MPH

0

0

EXIT

Speed:

Design 3:

Speedometer:

200

100

150

50

0

This program uses a slider to change the speed and shows this in MPH and KPH. The program also has a close button in the top right corner of the screen which many users will be used to as it is the standard for most windows programs

Speed in KPH: 0

Speed in MPH: 0

ViewKPH

- lblKPH(): JLabel

- lblText(): JLabel

- txtKPH(): JTextField

- viewPanel(): JPanel

- close(): void

- initGUI(): void

- update(): void

ViewMPH

- lblMPH(): JLabel

- lblText(): JLabel

- txtTemp(): JTextField

- viewPanel(): JPanel

- close(): void

- initGUI(): void

- update(): void

Screen

- close(): void

- update(): void

SpeedModel

- speed(): private int

- getSpeedMPH(): int

- getSpeedKPH(): int

- setSpeedMPH(): void

- setSpeedKPH(): void

SpeedControl

- viewPanel(): JPanel

- txtSpeed(): JTextField

- Speedometer(): JScrollBar

- lblScale(): JLabel

- lblText(): JLabel

- btnExit(): JButton

- <View> views: LinkedList

- buttonPanel(): JPanel

- addObserver(View): void

- btnExitActionPerformed(ActionEvent): void

- changeKPH(int): void

- changeMPH(int): void

- initGUI(): void

- notifyViewers(): void