



CS 351 – 002
Project 1: Modulo Times Table
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Design Diagram

VBox

The “wrapper” control box that holds all of the HBox objects for parameter input vertically (located at upper left-hand side of the window).

TableVisualization

Holds all the information for the color values, times table number and increment value, and radius of the times table circle.

TableAnimationTimer

Custom animation timer that holds the run method (main loop) to execute the visualization.

HBox

The space to hold each individual control of a parameter horizontally.

Label(s)

A brief description of each HBox for the user.

TextField(s)

An input area where the user can enter the desired value.

Slider(s)

A visual indication of the range of values (and increment) available.

Button(s)

An action based on a click of the mouse (start, pause, and jump).

ComboBox

The selection of favorite visualizations via a dropdown menu.