

Namespace BOOSEapp

Classes

[AppCanvas](#)

Implements the BOOSE ICanvas interface for drawing operations Handles all graphic operations like drawing shapes, lines, and managing colours This is the actual canvas that the BOOSE system uses for rendering

[CommandException](#)

Custom exception for command related errors in the custom BOOSE interpreter Used when commands have problems with parameters or execution

[Form1](#)

Main application window for the BOOSE drawing interpreter Handles UI, user input, and coordinates between parser and canvas

[MoveToCommand](#)

Handles the moveto command, it moves the cursor without drawing anything Usage: moveto 200,100

[MyCommandFactory](#)

Creates command objects based on command names This is the "command creator" it knows how to make each type of command

[MyParser](#)

[MyStoredProgram](#)

Custom program storage that holds and executes drawing commands This is where all the commands live before they get executed

Interfaces

[ICommandHandler](#)

Interface all command classes must implement Defines the basic structure for every drawing command

Namespace BOOSEapp.commands

Classes

[CircleCommand](#)

Handles the circle command - It draws a circle at current position Usage: circle 50

[DrawToCommand](#)

Handles the drawto command - draws a line from current position to a new position Usage: drawto 110,150

[PenColourCommand](#)

Handles the pen command - changes the pen colour Usage: pen 255,0,0 (for Red colour)

[RectCommand](#)

Handles the rect command - draws a rectangle at current position Usage: rect 50,100

Namespace BOOSEUnitTests

Classes

[CommandFactoryTests](#)

Unit test for MyCommandFactory to verify it creates command objects based on command types correctly

[CommandsTests](#)

Unit tests for individual command classes to verify successful execution and parameters are handled properly

[IntegrationTests](#)

Integration tests to verify multiple components work together correctly in complete system workflows

[ParserTests](#)

Unit tests for MyParser to verify it correctly pares the program text into executable commands