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# Purpose

Provide a visual interface for creating and seeing the execution of short programs for algorithm testing and teaching. The coding is drag and drop and the execution displays the flow of the program and what is currently happening.

## Core Features

Drag and Drop Mechanic.

Storing Variables

Creation of all Visual Nodes

Conditional Nodes

Functions

Swipe between functions.

Visual Indication of execution of program outside of just output.

During

After

## Stretch Goals

Saving Created Programs

* The program itself
* The execution flow output. (Because the output is main purpose of it.)

Ability to Pause the execution.

Animations

* Creating Nodes
* Executing Program

# User Stories

# Architecture

### Front End Stack

Flutter

Dart

Pub

### Back End Stack

.Net Core

C#

dotnet