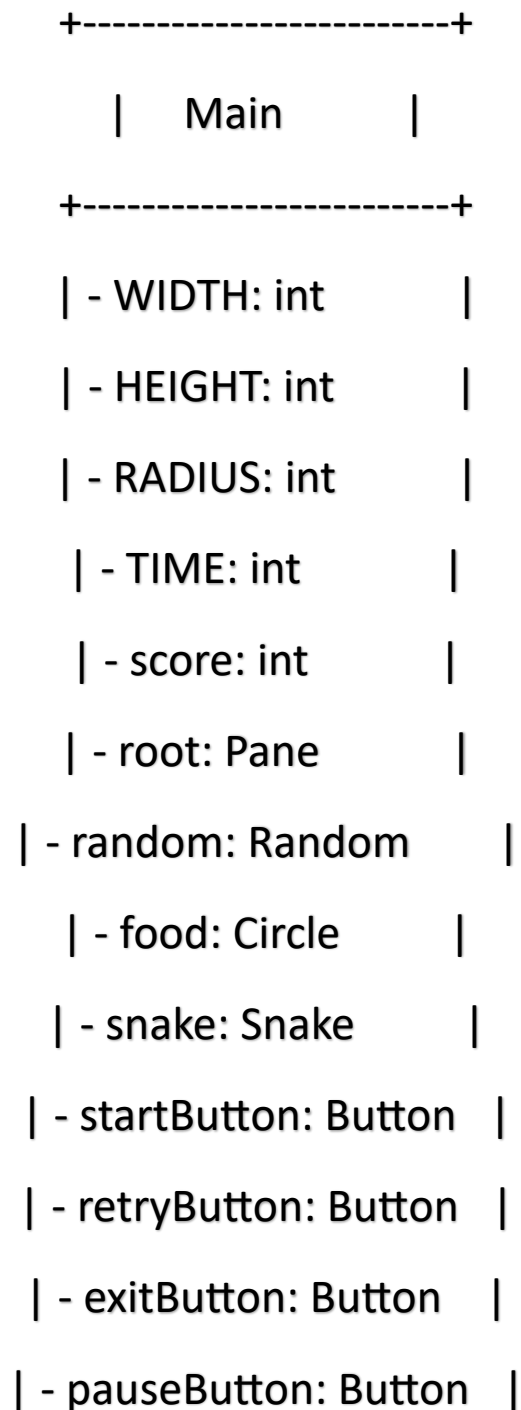


Technical Documentation

- UML FOR Main class:



```

    | - backButton: Button    |
    | - classicButton: Button |
    | - modernButton: Button  |
    | - timeline: Timeline    |
    | - scoreText: Text       |
    | - mediaPlayer1: MediaPlayer |
    | - mediaPlayer2: MediaPlayer |
    | - mediaPlayer3: MediaPlayer |
    | - isClassicMode: boolean |
    | - gameOver: boolean      |
    +-----+
    | + handleStartButton(): void |
    | + handleClassicButton(): void |
    | + handleModernButton(): void |
    | + createFood(): void    |
    | + createSnake(): void   |
    | + addChessBoardBackground(): void |
    | + startGame(): void     |
    | + move(): void          |

```

```

| + adjustLocation(): void |
| + adjustLocation2(): void |
| + checkCollision(): boolean |
| + checkGameOver(): boolean |
| + checkGameOver2(): boolean |
| + gameOver(): void |
| + handleRetryButton(): void |
| + handleexitButton(): void |
| + handlepauseButton(): void |
| + handleBackButton(): void |
+-----+

```

- UML FOR Snake class:

```

+-----+
|   Snake   |
+-----+
| - tails: List<Circle> |
| - length: int |
| - currentDirection: Direction |

```

```

+-----+
| + Snake(d: double, d1: double, d2: double) |
| + getLength(): int |
| + step(): void |
| + getCurrentDirection(): Direction |
| + setCurrentDirection(currentDirection: Direction): void |
| + endTail(): Circle |
| + eat(food: Circle): void |
| + eatSelf(): boolean |
+-----+

```

- UML FOR Direction class:

```

+-----+
| Direction |
+-----+
| + UP |
| + DOWN |
| + LEFT |
| + RIGHT |
+-----+

```