Turn Right Sequence Diagram Turtle 1

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User

TurtleFrameOne
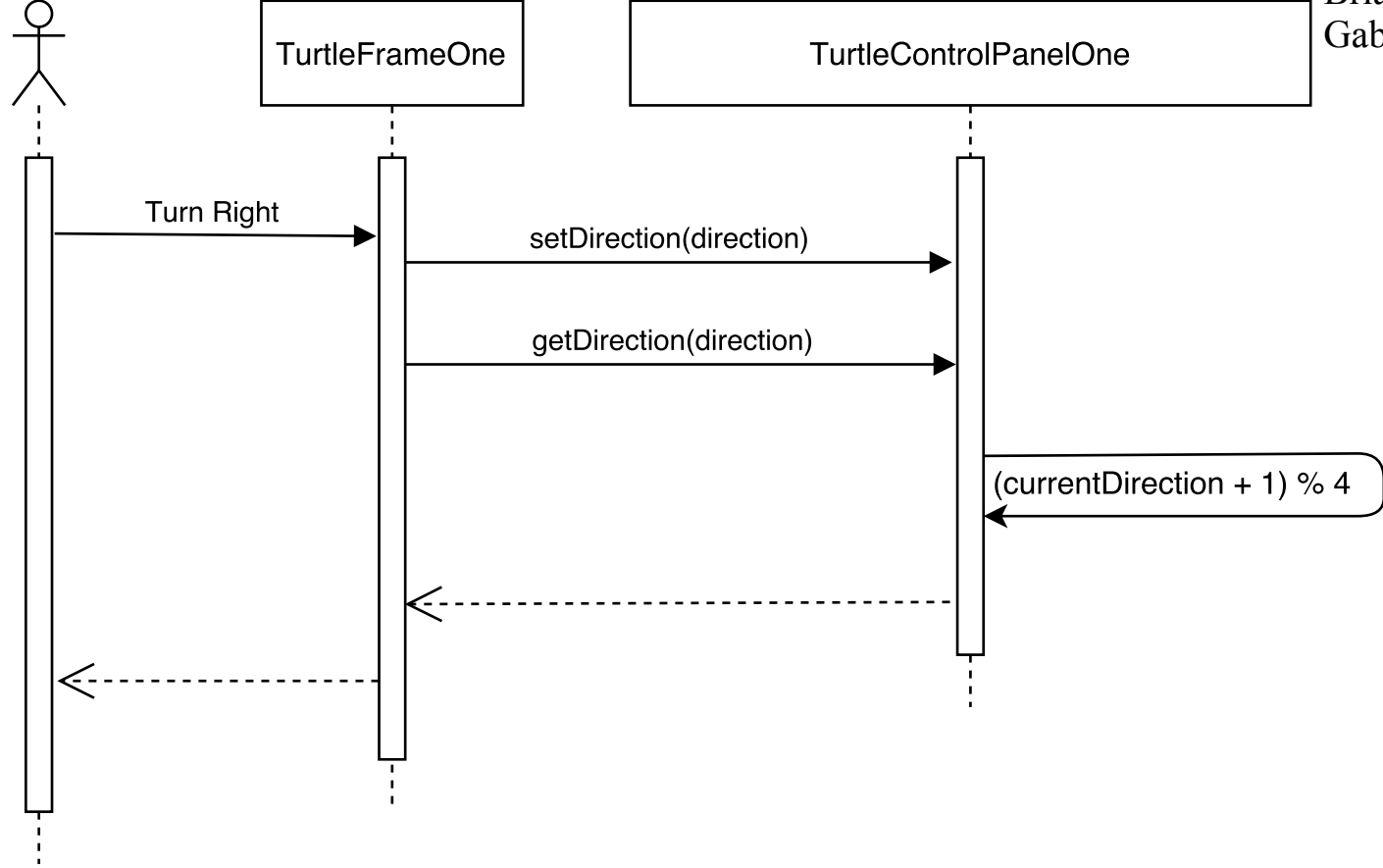
TurtleControlPanelOne

Turn Right

setDirection(direction)
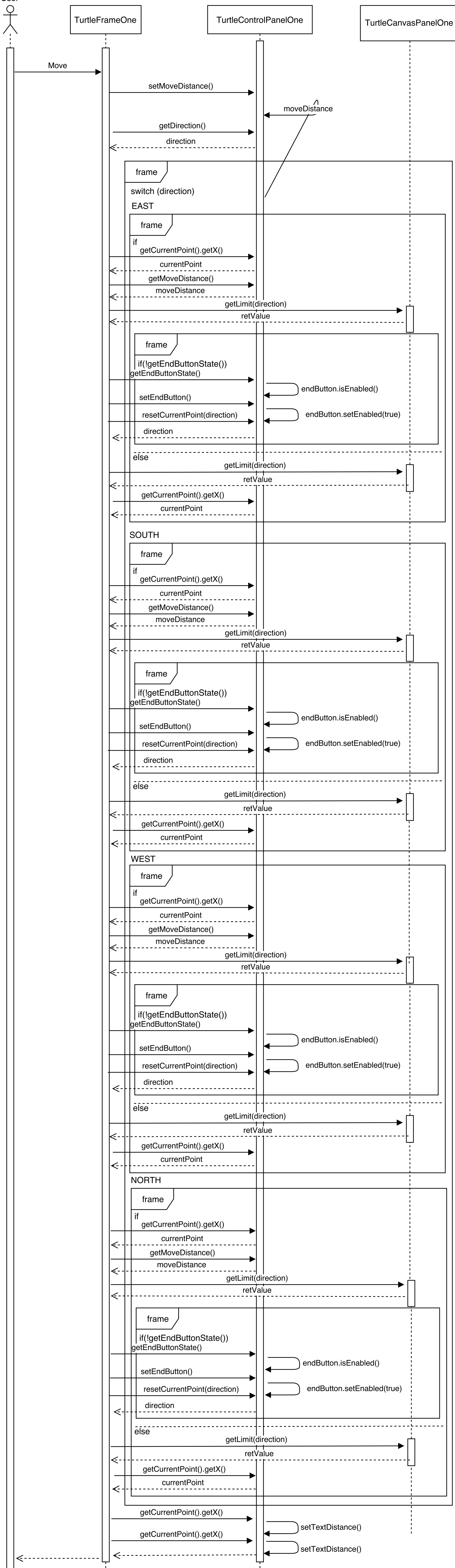
getDirection(direction)

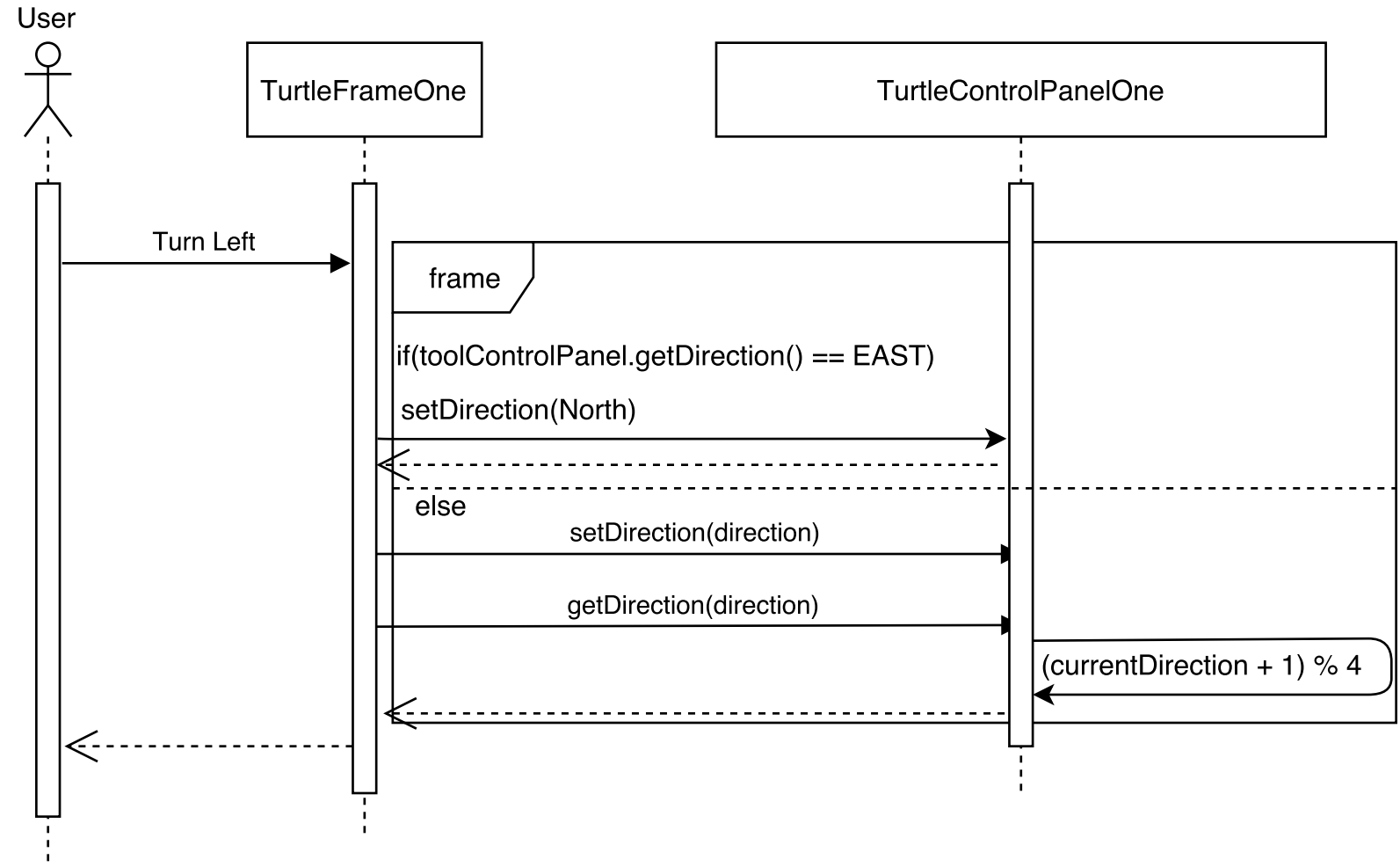(currentDirection + 1) % 4

Move Sequence Diagram Turtle 1

Turn Left Sequence Diagram Turtle 1

User

TurtleFrameOne

TurtleControlPanelOne

Turn Left

frame

if(toolControlPanel.getDirection() == EAST)

setDirection(North)

else

setDirection(direction)

getDirection(direction)

(currentDirection + 1) % 4

Print Sequence Diagram Turtle 1

User

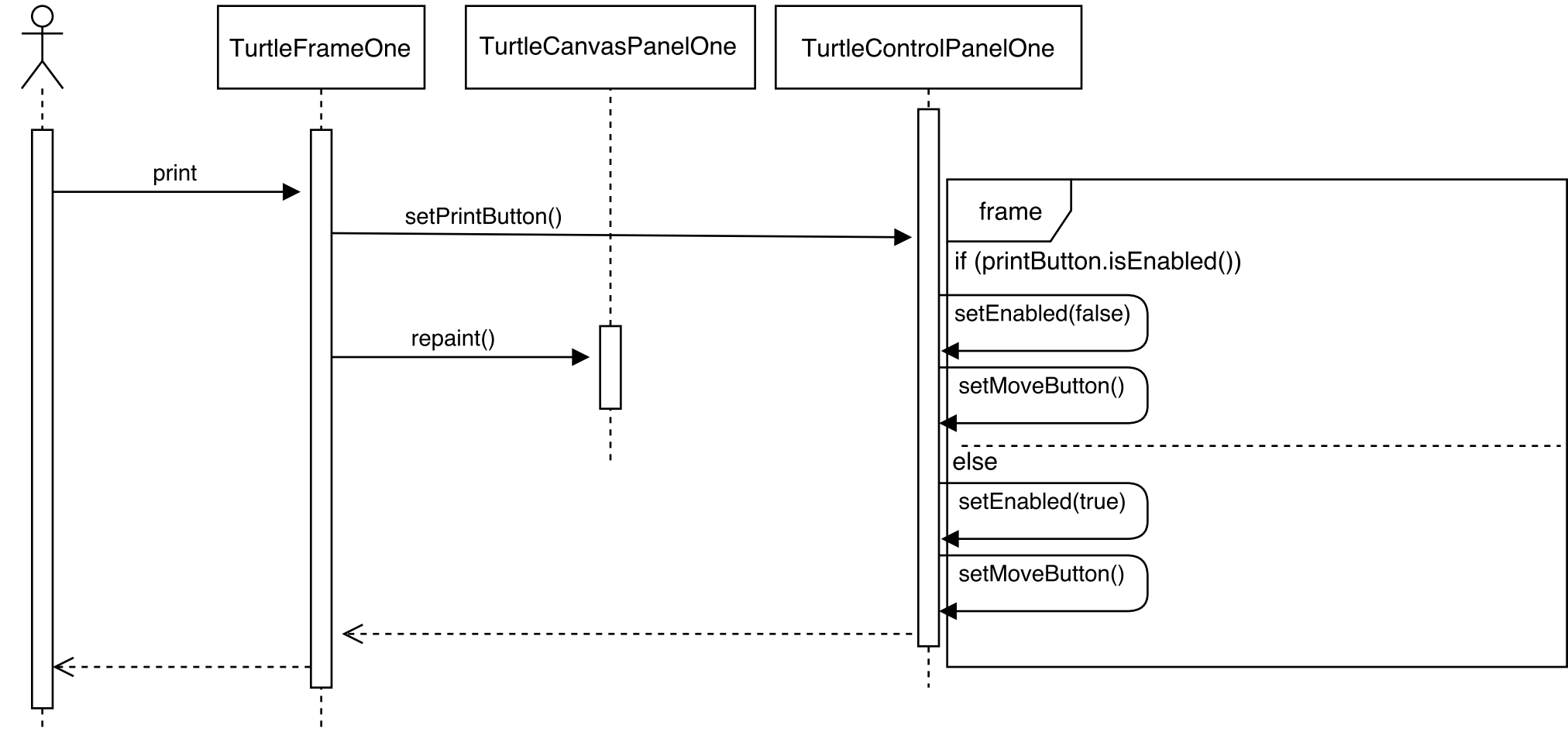TurtleFrameOne

TurtleCanvasPanelOne

TurtleControlPanelOne

print

setPrintButton()

frame

if (printButton.isEnabled())

setEnabled(false)

repaint()

setMoveButton()

else

setEnabled(true)

setMoveButton()

Pen Up Sequence Diagram Turtle 1

User

TurtleFrameOne

TurtleControlPanelOne

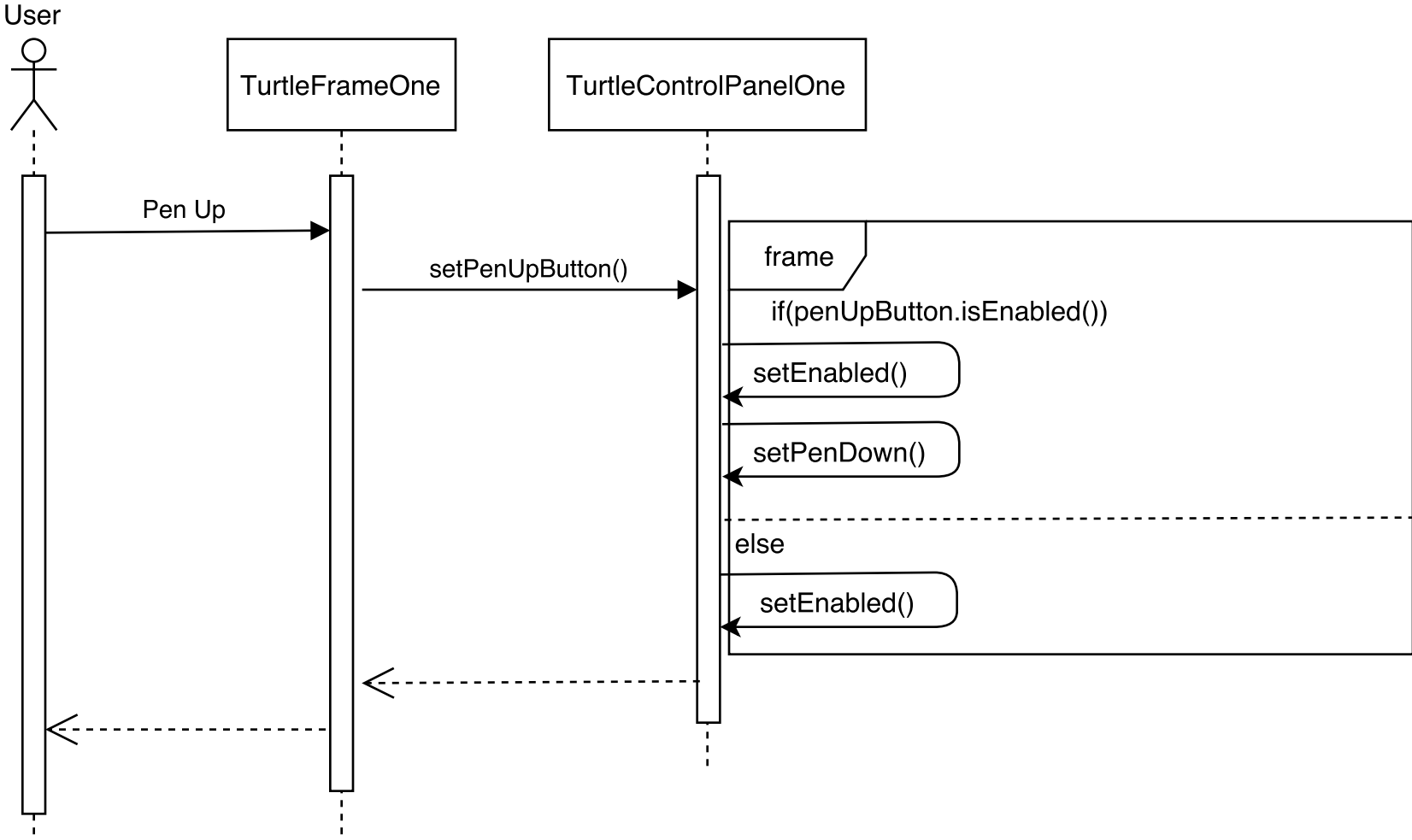Pen Up

setPenUpButton()

frame

if(penUpButton.isEnabled())

setEnabled()

setPenDown()

else

setEnabled()

Pen Down Sequence Diagram Turtle 1

User

TurtleFrameOne

TurtleControlPanelOne

Pen Down

setPenDownButton()

frame

if(setPenDownButton.isEnabled())
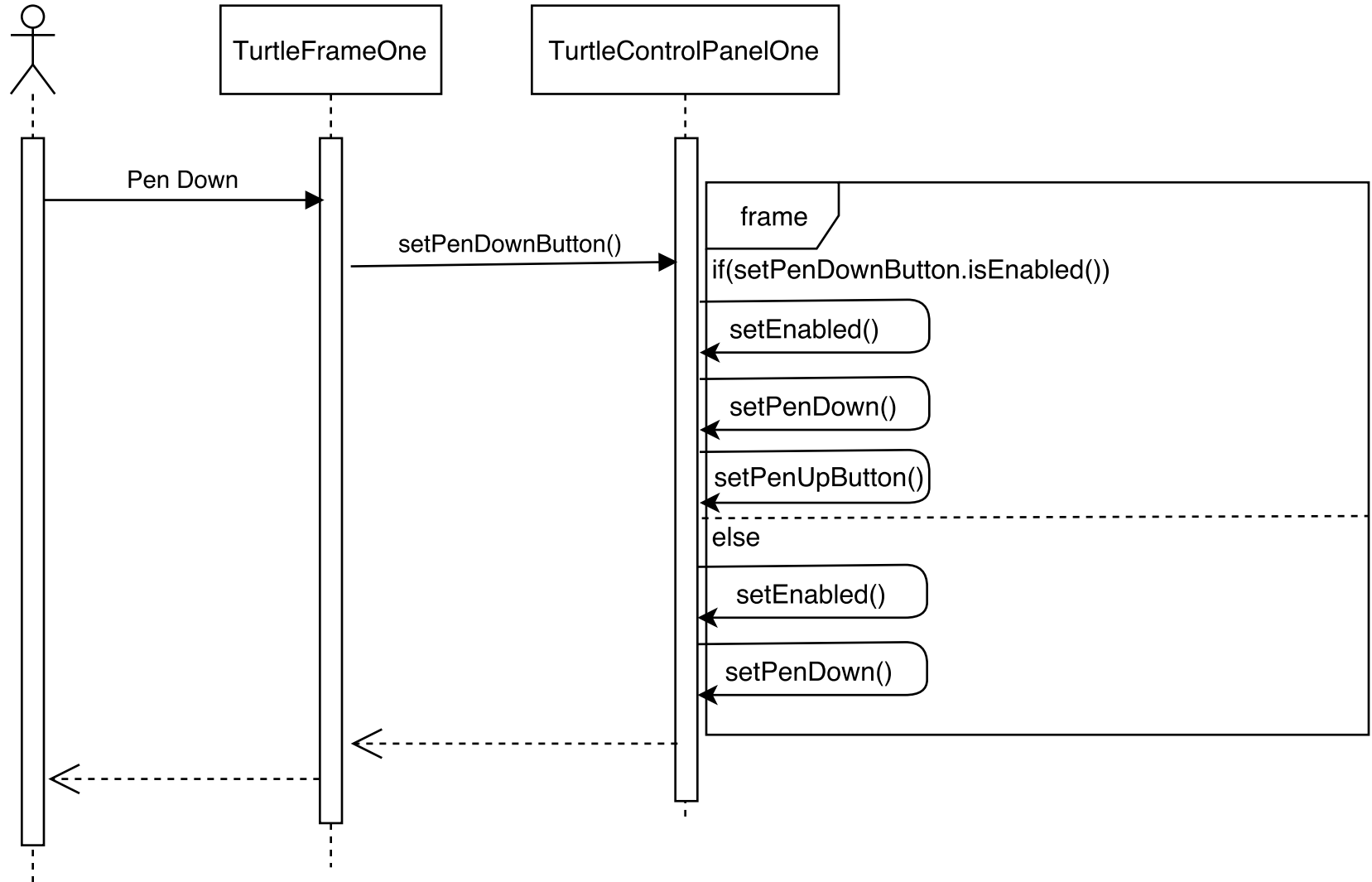
setEnabled()

setPenDown()

setPenUpButton()

else

setEnabled()

setPenDown()

End Sequence Diagram Turtle 1