Halloween Neighborhood Candy Traversal2: Interpreter Pattern

HalloweenNeighborhood Traversal2

- INPUT_FILE_NAME_PATTERN: String
- OUTPUT_FILE_NAME: String

+ main()
- populateNeighborhood(neighborhood: Neighborhood)
- traverseNeighborhood(dreamCandyNH: Neighborhood, candyParser: CandyParser, candies: String[], nctVisitor:NeighborhoodCandyTraversalVisitor)
- writeCandyPathToFile(fileName : String, fileNumber : int)

CandyParser

~ validateFileName(fileName: String, fileNamePattern: String): boolean
~ parseCandy(candy: String): List<String>

NeighborhoodCandyExpression

- twix: IExpression
- snickers: IExpression
- mars: IExpression
- whoppers: IExpression
- kitKat: IExpression
- crunch: IExpression
- toblerone: IExpression
- almondJoy: IExpression
- babyRuth: IExpression
- milkyWay: IExpression
- superSize: IExpression
- funSize: IExpression
- kingSize: IExpression
- regularSize: IExpression

- getNeighborhoodCandyExpression(): IExpression
- getMansionCandyExpression(): IExpression
- getMansionFunSizeCandyExpression(): IExpression
- getMansionKingSizeCandyExpression(): IExpression
- getMansionSuperSizeCandyExpression(): IExpression
- getDuplexCandyExpression(): IExpression
- getDuplexFunSizeCandyExpression(): IExpression
- getDuplexKingSizeCandyExpression(): IExpression
- getDuplexSuperSizeCandyExpression(): IExpression
- getDetachedHouseCandyExpression(): IExpression
- getDetachedHouseFunSizeCandyExpression(): IExpression
- getDetachedHouseKingSizeCandyExpression(): IExpression
- getDetachedHouseSuperSizeCandyExpression(): IExpression
- getTownhomeCandyExpression(): IExpression
~ traversalPossible(candy: String): boolean
~ String getHouseTypeFromCandy(candy: String): String

<<IExpression>>

---

interpret(context: String): boolean

AndExp

- expr1: IExpression
- expr2: IExpression

+ interpret(context: String): boolean

TerminalExpression

- candyInfo: String

+ interpret(context: String): boolean

OrExp

- expr1: IExpression
- expr2: IExpression

+ interpret(context: String): boolean