Project 01
Concurrent Server

Main

+ main()
+ signalHandler()

WebServer

- Webserver Instance
- port
- OutOfRangeValue

+ start()
+ stop()
- getInstance()
+ didStop()
+ analyzeArguments()
+ handleHttpRequest()
+ route()

GoldbachCalculator

- golbachThread_id
- mutex

+ GoldbachCalculator()
+ consume()
+ run()
+ checkPrime()
+ strongConjecture()
+ weakConjecture()

Struct GoldbachSums

- numberGoldbach
- sumsCounter
- sign
- isValid
- vector<sum>
- originVectorPosition
- responseArray
- doneNumbers
- numbersQuantity
- stopCondition
- canContinue

GoldbachWebApp

- goldbachWorkers
- maxGoldbachWorkers
- goldbachWorkQueue

+ serveHomepage()
+ serveHelp()
+ serveNotFound()
+ serveOutOfRange()
+ serveGoldbachSums()
+ createGoldbachWorkers()
+ joinGoldbachWorkers()
+ getMaxGoldbachWorkers()
+ setGoldbachWorkQueue()
+ fillSums()

miro