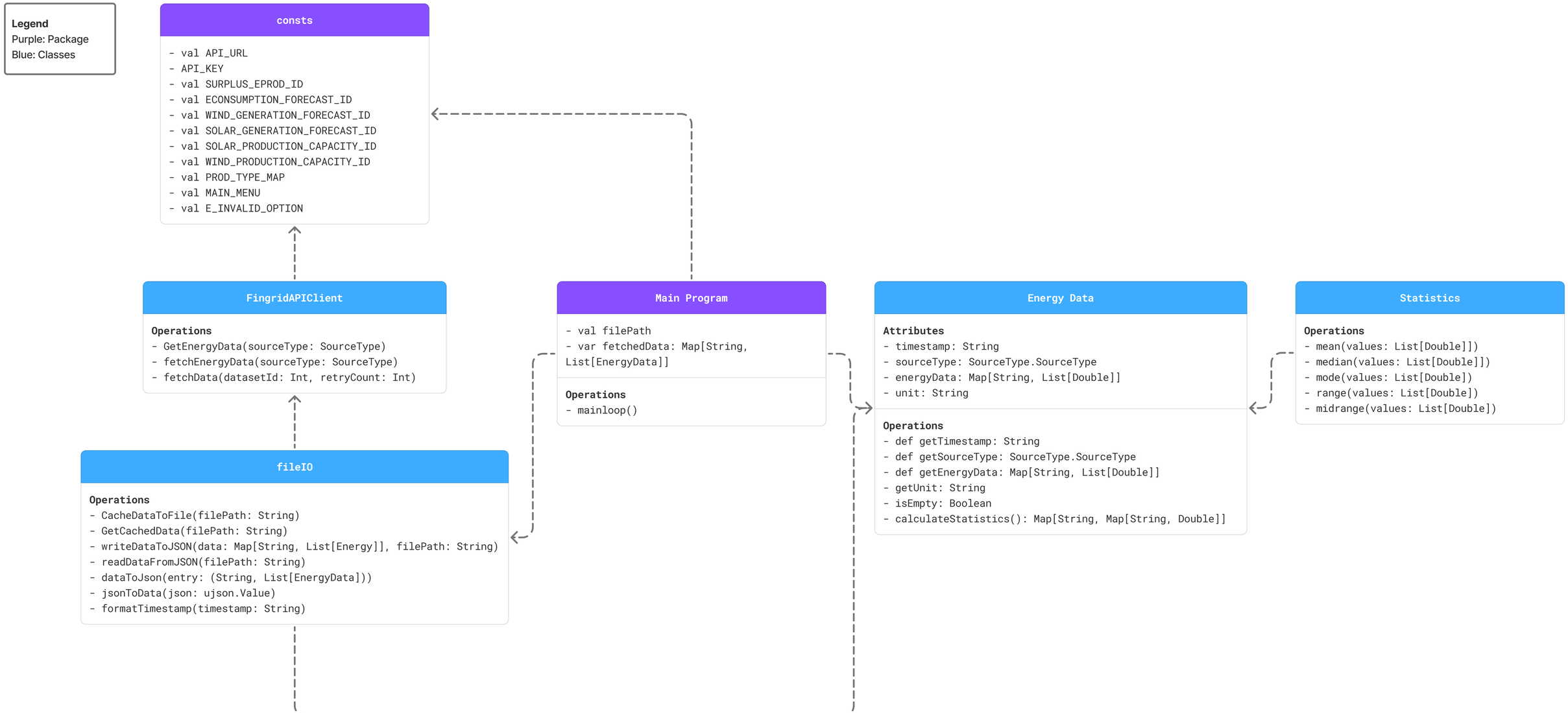
Legend
Purple: Package
Blue: Classes
consts
- val API_URL
- API_KEY
- val SURPLUS_EPROD_ID
- val ECONSUMPTION_FORECAST_ID
- val WIND_GENERATION_FORECAST_ID
- val SOLAR_GENERATION_FORECAST_ID
- val SOLAR_PRODUCTION_CAPACITY_ID
- val WIND_PRODUCTION_CAPACITY_ID
- val PROD_TYPE_MAP
- val MAIN_MENU
- val E_INVALID_OPTION
FingridAPIClient
Operations
- GetEnergyData(sourceType: SourceType)
- fetchEnergyData(sourceType: SourceType)
- fetchData(datasetId: Int, retryCount: Int)
Main Program
- val filePath
- var fetchedData: Map[String, List[EnergyData]]
Operations
- mainloop()
Energy Data
Attributes
- timestamp: String
- sourceType: SourceType.SourceType
- energyData: Map[String, List[Double]]
- unit: String
Operations
- def getTimestamp: String
- def getSourceType: SourceType.SourceType
- def getEnergyData: Map[String, List[Double]]
- getUnit: String
- isEmpty: Boolean
- calculateStatistics(): Map[String, Map[String, Double]]
Statistics
Operations
- mean(values: List[Double]])
- median(values: List[Double]])
- mode(values: List[Double])
- range(values: List[Double])
- midrange(values: List[Double])
fileIO
Operations
- CacheDataToFile(filePath: String)
- GetCachedData(filePath: String)
- writeDataToJSON(data: Map[String, List[Energy]], filePath: String)
- readDataFromJSON(filePath: String)
- dataToJson(entry: (String, List[EnergyData]))
- jsonToData(json: ujson.Value)
- formatTimestamp(timestamp: String)