

# Class Diagrams for Application `tbischeduling`

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## **Abstract**

This document shows the object model for the `tbischeduling` application.

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# 1 Overview

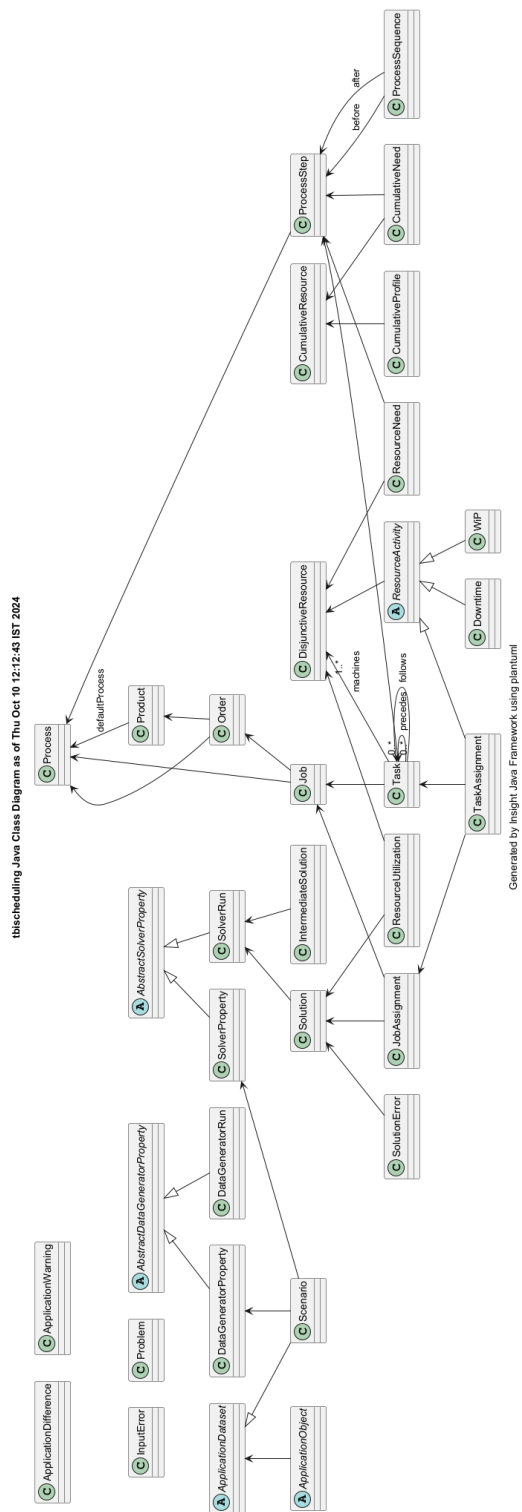


Figure 1: Compact Class Diagram

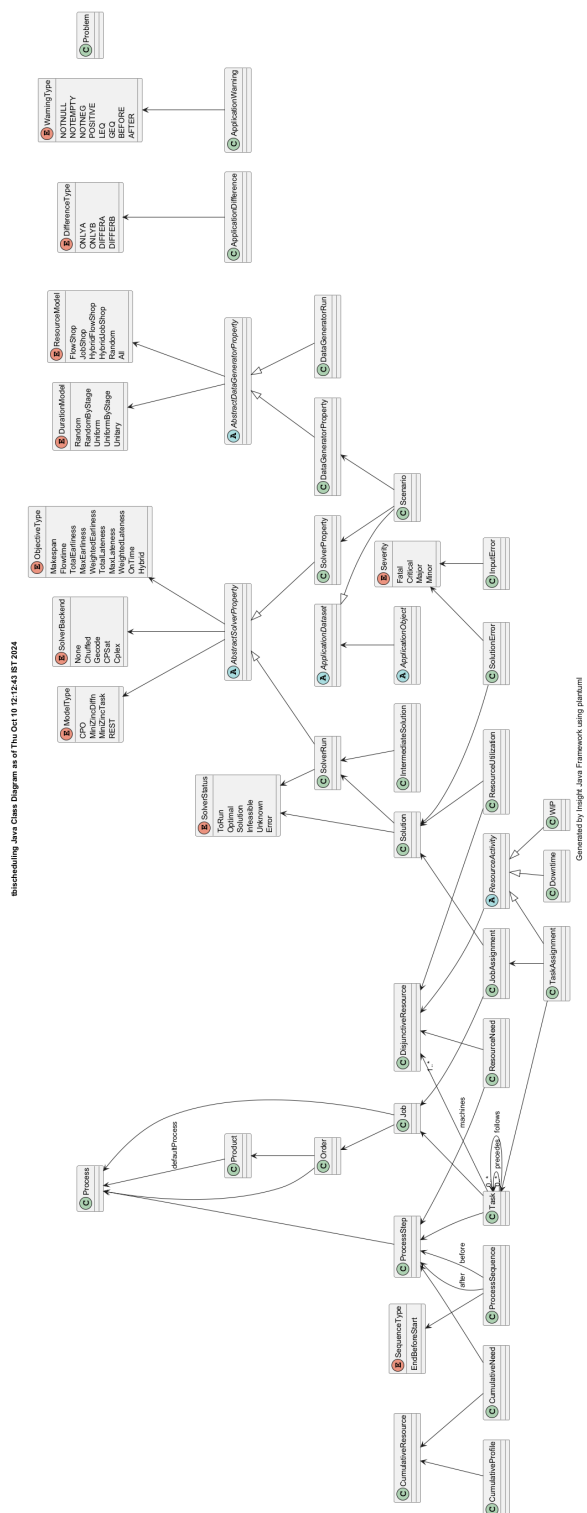


Figure 2: Default Class Diagram

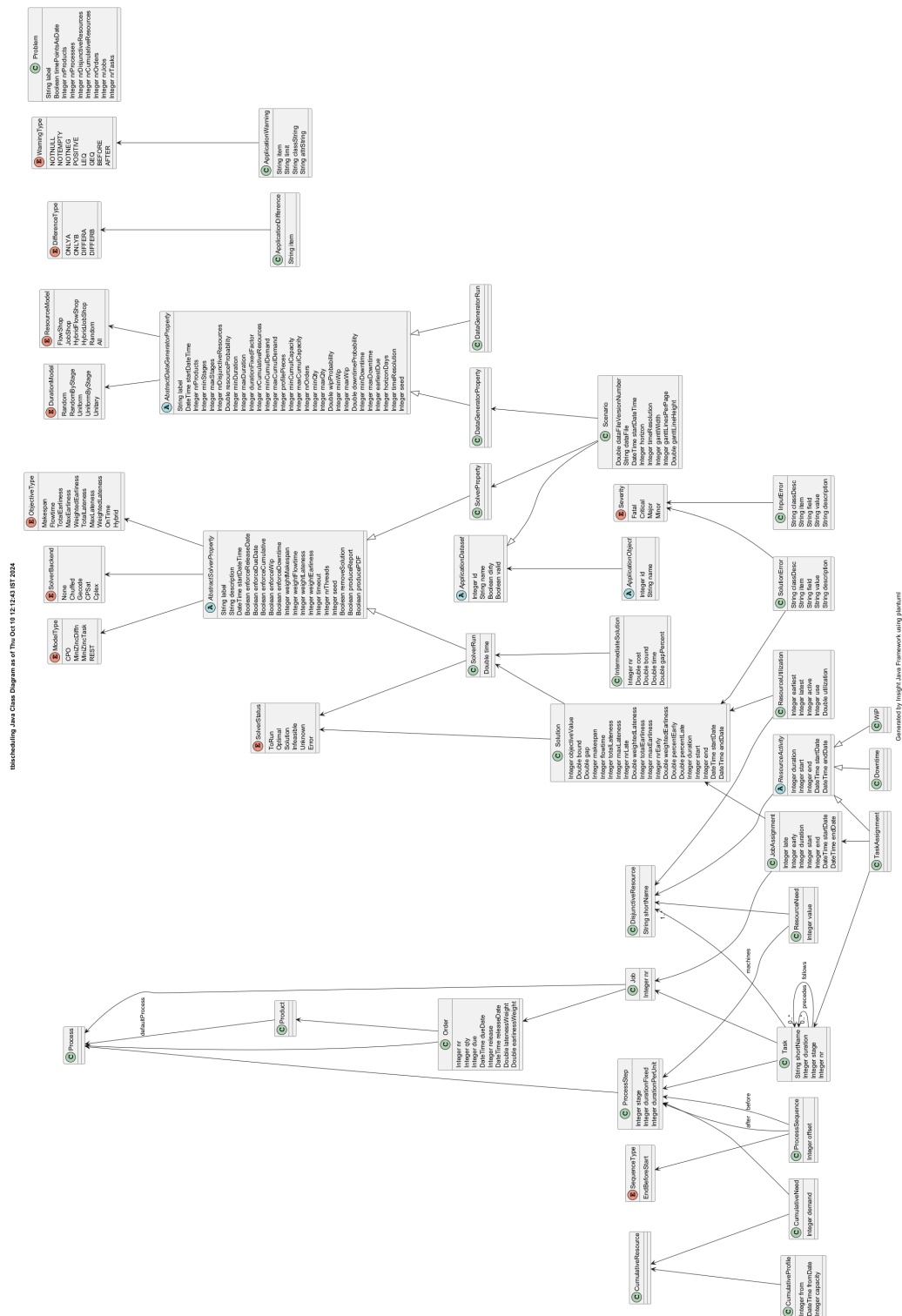
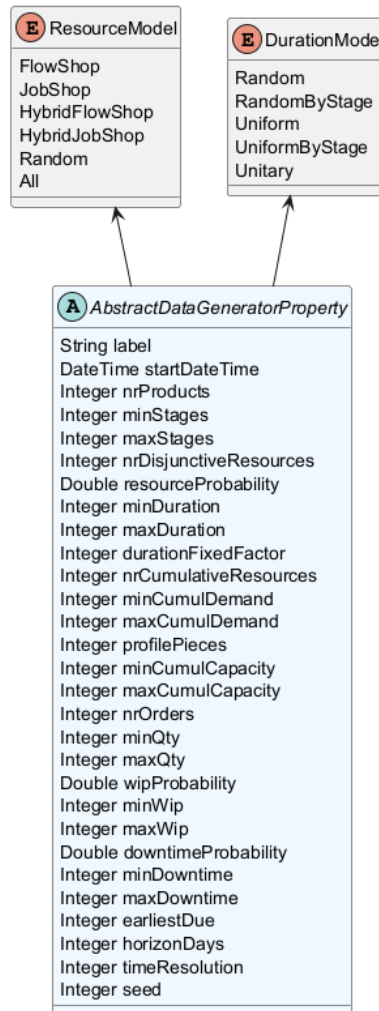


Figure 3: Full Class Diagram

## 2 AbstractDataGeneratorProperty

Class AbstractDataGeneratorProperty of application thischeduling as of Thu Oct 10 12:12:43 IST 2024



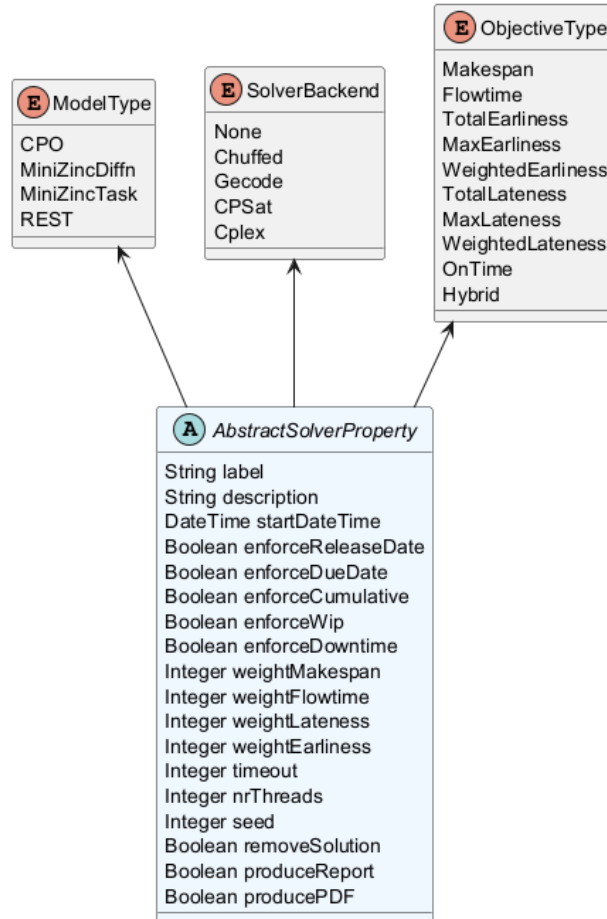
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Figure 4: Class Diagram for Class AbstractDataGeneratorProperty



### 3 AbstractSolverProperty

Class AbstractSolverProperty of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

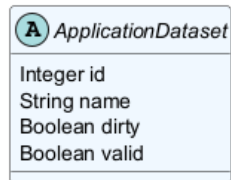


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Figure 5: Class Diagram for Class AbstractSolverProperty

## 4 ApplicationDataset

Class ApplicationDataset of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

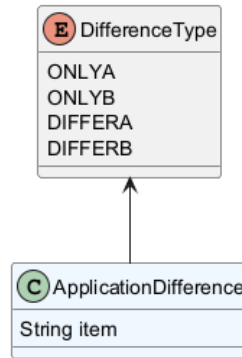


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Figure 6: Class Diagram for Class ApplicationDataset

## 5 ApplicationDifference

Class ApplicationDifference of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

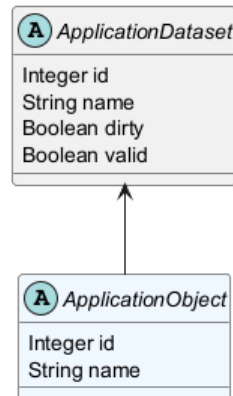


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Figure 7: Class Diagram for Class ApplicationDifference

## 6 ApplicationObject

Class ApplicationObject of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

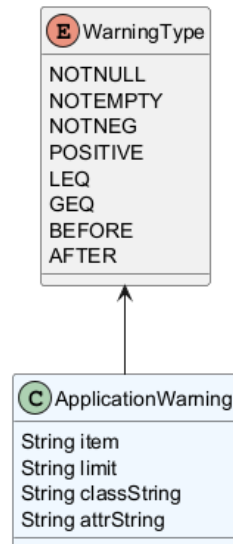


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Figure 8: Class Diagram for Class ApplicationObject

## 7 ApplicationWarning

Class ApplicationWarning of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

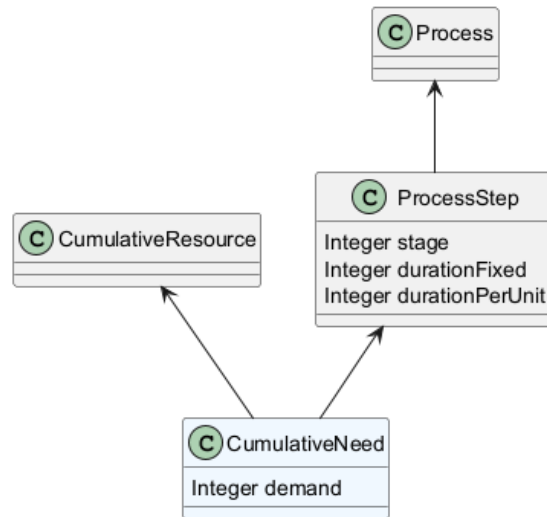


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Figure 9: Class Diagram for Class ApplicationWarning

## 8 CumulativeNeed

Class CumulativeNeed of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

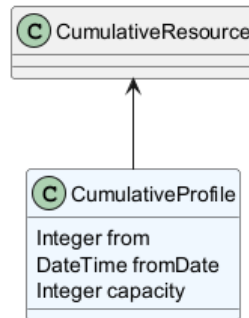


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Figure 10: Class Diagram for Class CumulativeNeed

## 9 CumulativeProfile

Class CumulativeProfile of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

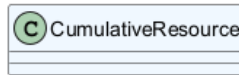


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Figure 11: Class Diagram for Class CumulativeProfile

## 10 CumulativeResource

Class CumulativeResource of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



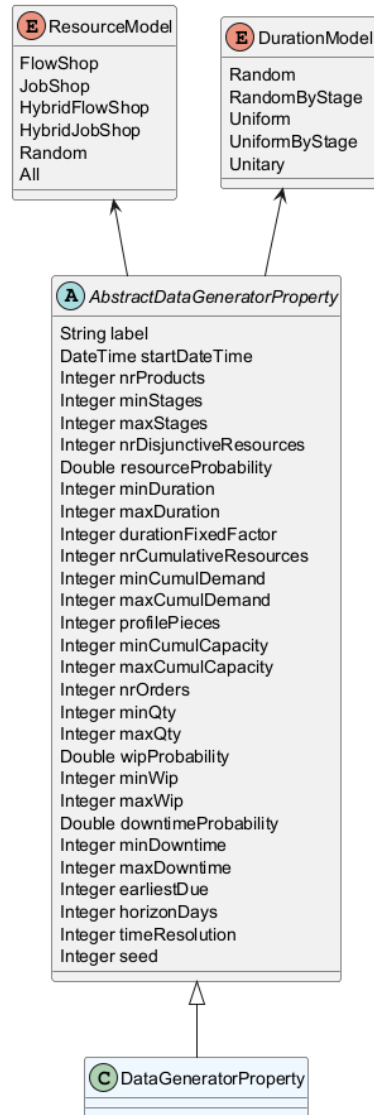
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Figure 12: Class Diagram for Class CumulativeResource



## 11 DataGeneratorProperty

Class DataGeneratorProperty of application tbischeduling as of Thu Oct 10 12:12:43 IST 2024

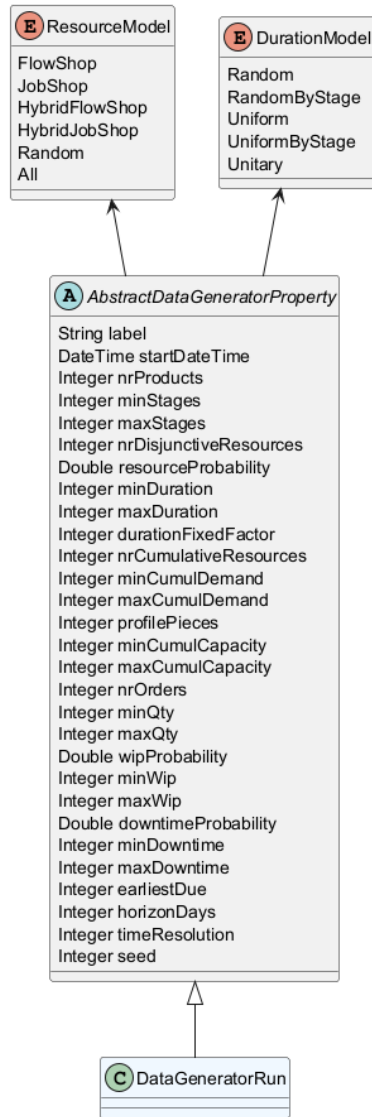


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Figure 13: Class Diagram for Class DataGeneratorProperty

## 12 DataGeneratorRun

Class DataGeneratorRun of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

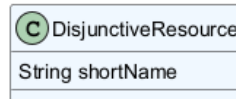


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Figure 14: Class Diagram for Class DataGeneratorRun

## 13 DisjunctiveResource

Class DisjunctiveResource of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

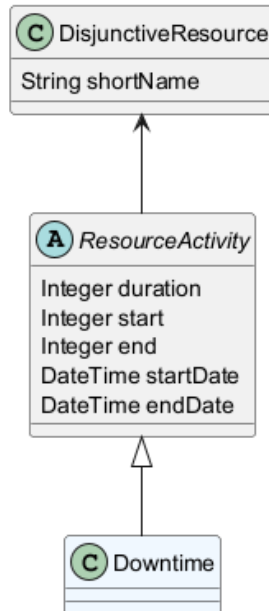


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Figure 15: Class Diagram for Class DisjunctiveResource

## 14 Downtime

Class Downtime of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

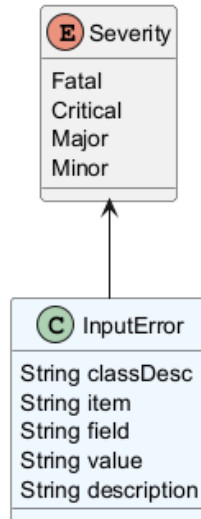


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Figure 16: Class Diagram for Class Downtime

## 15 InputError

Class InputError of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



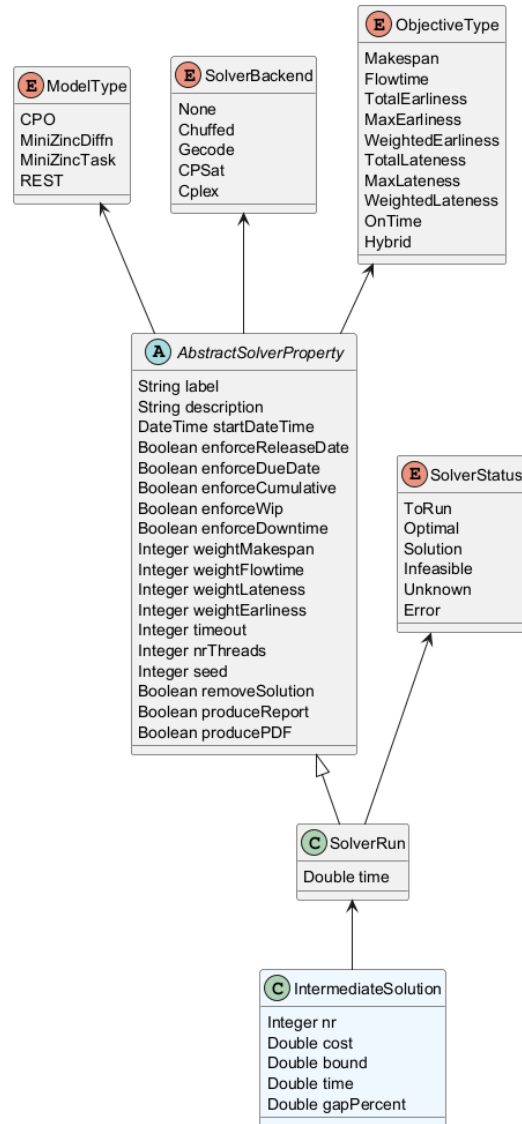
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Figure 17: Class Diagram for Class InputError

## 16 IntermediateSolution



Class IntermediateSolution of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

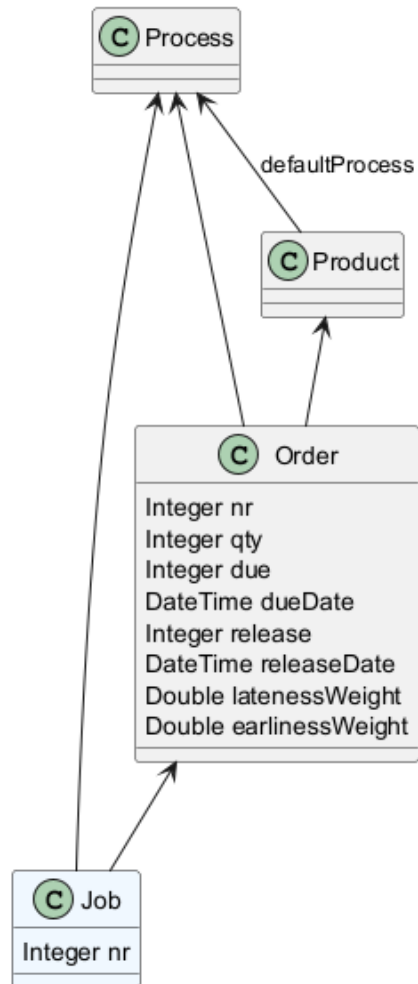


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Figure 18: Class Diagram for Class IntermediateSolution

## 17 Job

Class Job of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

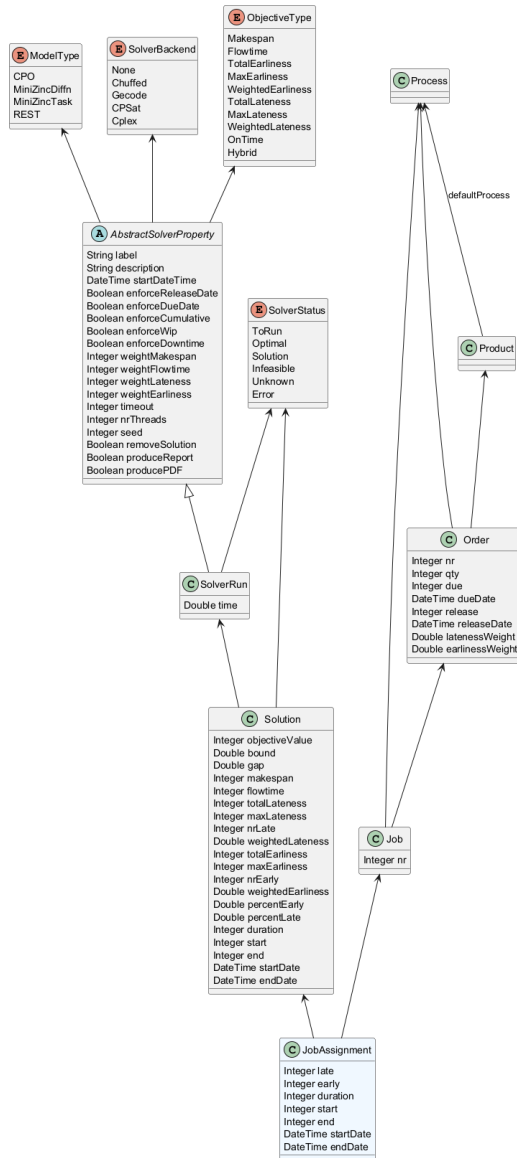


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Figure 19: Class Diagram for Class Job

## 18 JobAssignment

Class JobAssignment of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

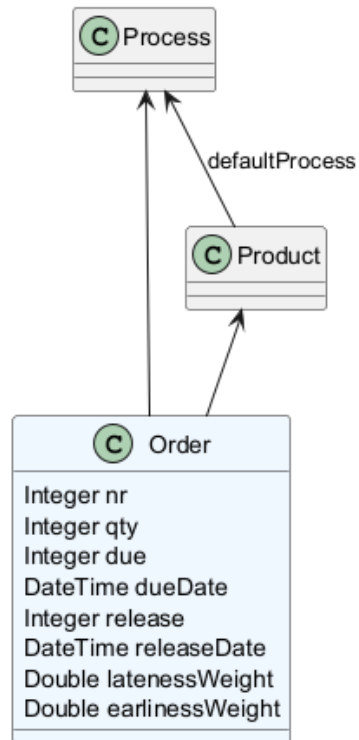


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Figure 20: Class Diagram for Class JobAssignment

## 19 Order

Class Order of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

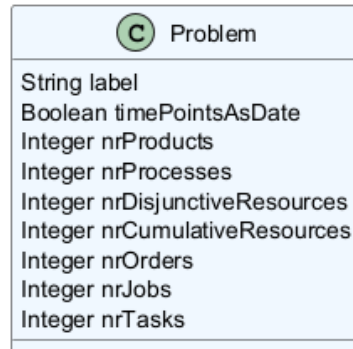


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Figure 21: Class Diagram for Class Order

## 20 Problem

Class Problem of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

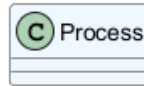


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Figure 22: Class Diagram for Class Problem

## 21 Process

Class Process of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

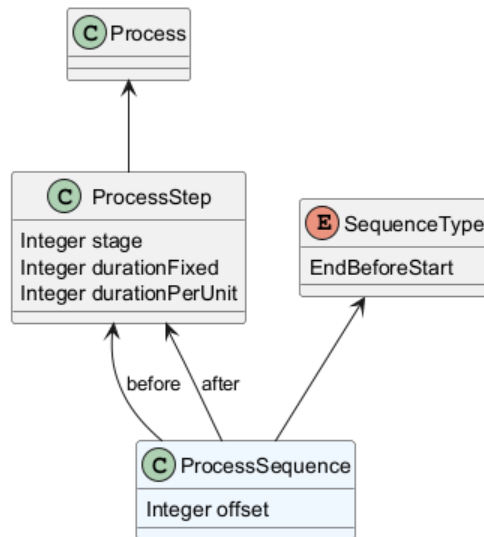


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Figure 23: Class Diagram for Class Process

## 22 ProcessSequence

Class ProcessSequence of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



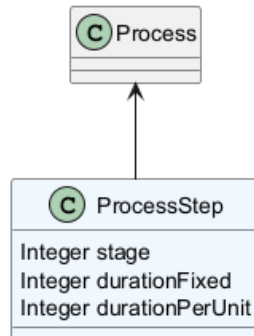
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Figure 24: Class Diagram for Class ProcessSequence



## 23 ProcessStep

Class ProcessStep of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

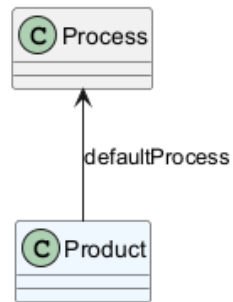


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Figure 25: Class Diagram for Class ProcessStep

## 24 Product

Class Product of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

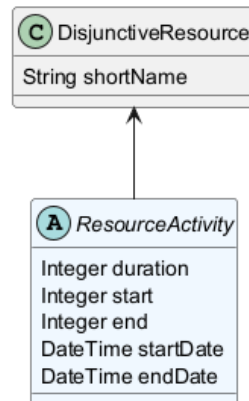


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Figure 26: Class Diagram for Class Product

## 25 ResourceActivity

Class ResourceActivity of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

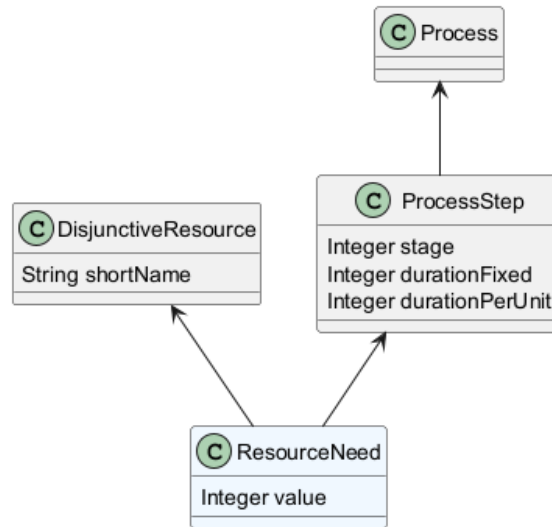


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Figure 27: Class Diagram for Class ResourceActivity

## 26 ResourceNeed

Class ResourceNeed of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

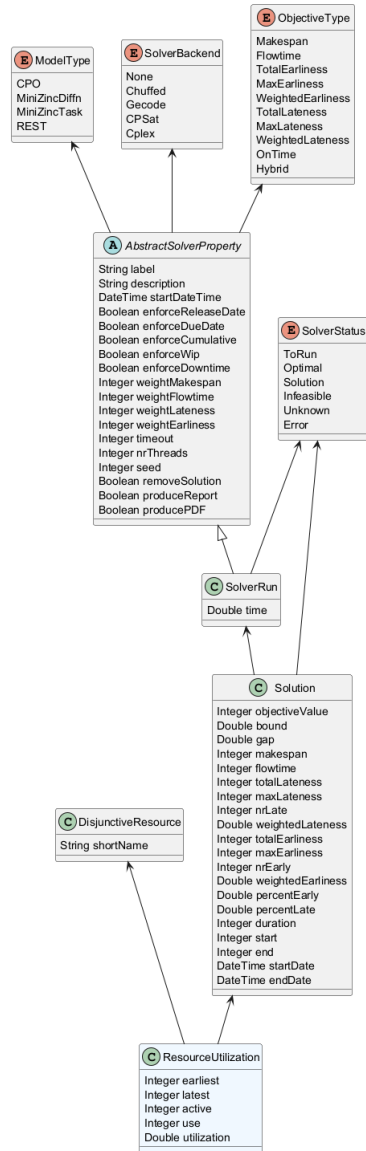


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Figure 28: Class Diagram for Class ResourceNeed

## 27 ResourceUtilization

Class ResourceUtilization of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

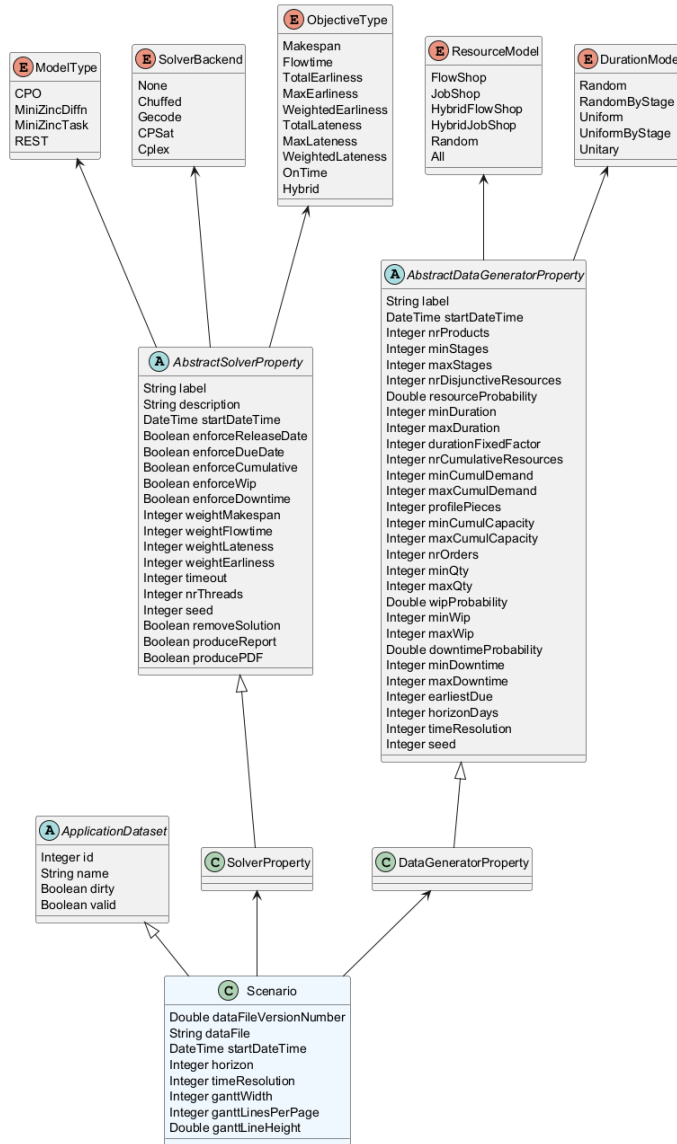


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Figure 29: Class Diagram for Class ResourceUtilization

## 28 Scenario

Class Scenario of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



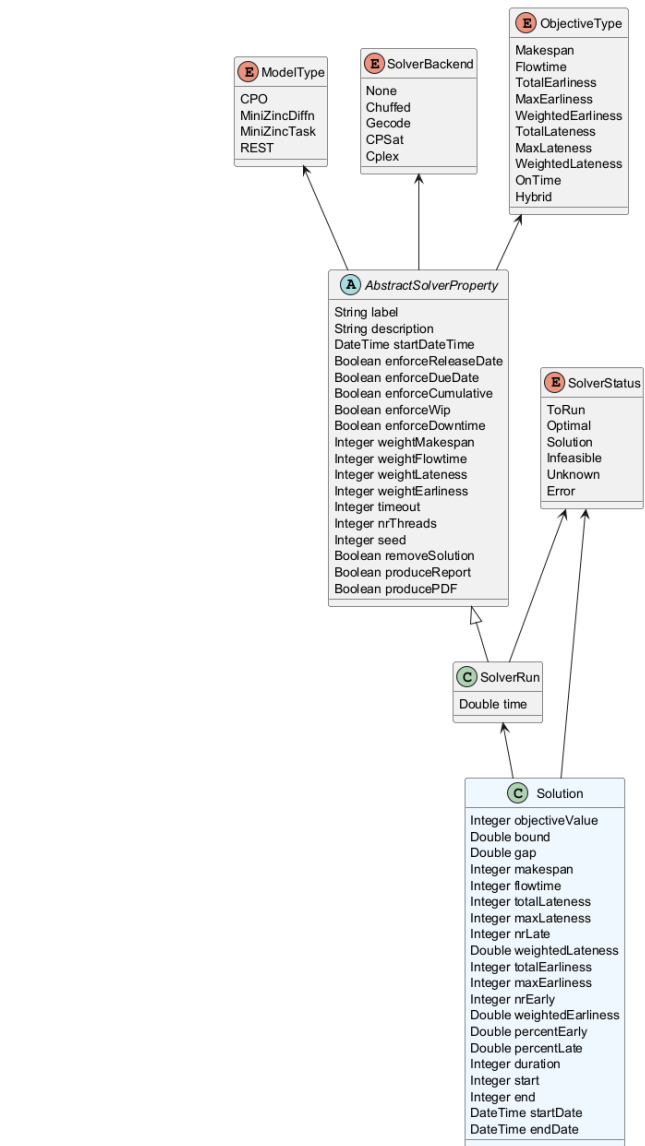
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Figure 30: Class Diagram for Class Scenario



## 29 Solution

Class Solution of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

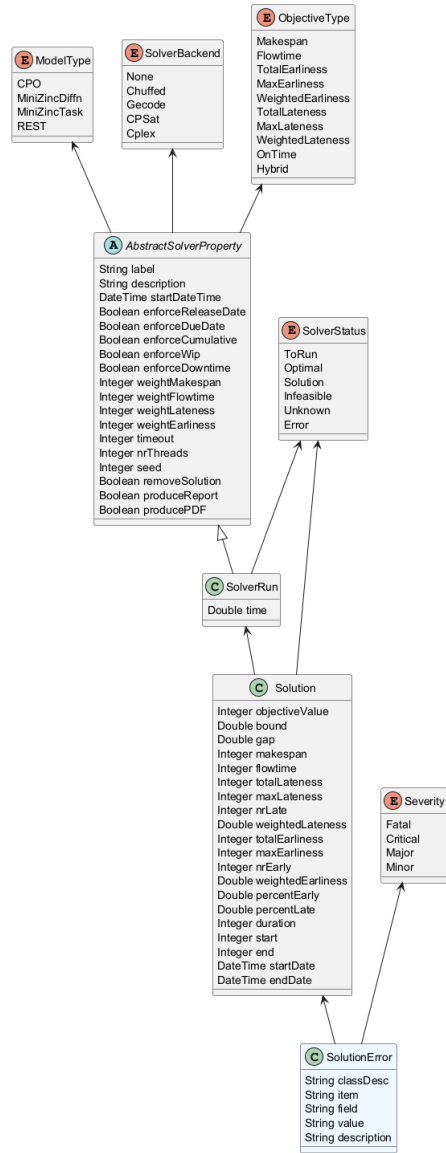


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Figure 31: Class Diagram for Class Solution

## 30    `SolutionError`

Class SolutionError of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

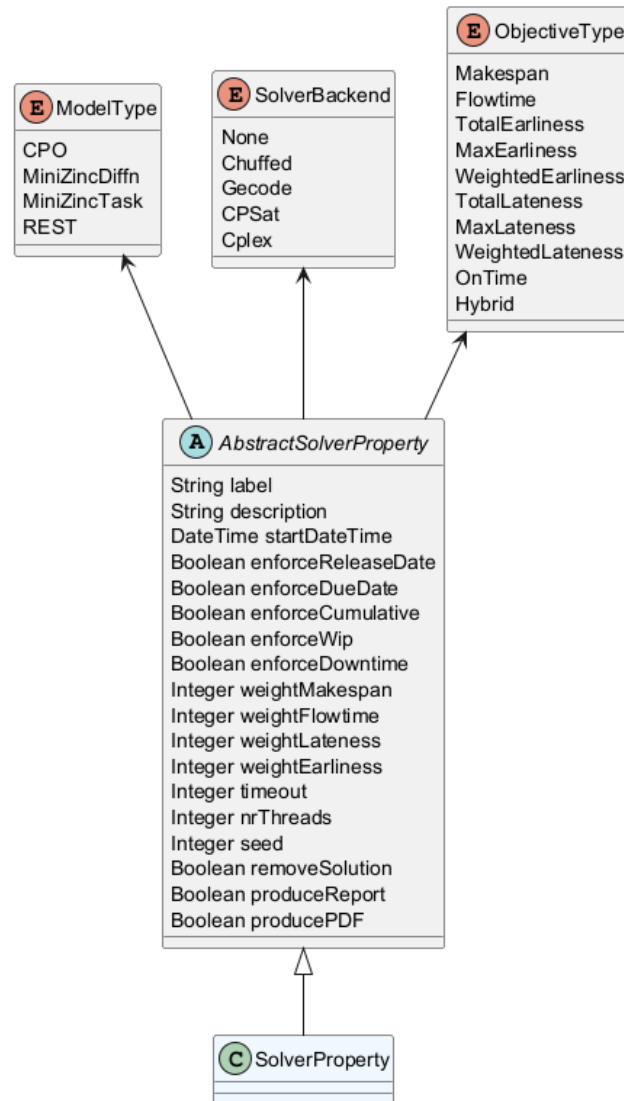


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Figure 32: Class Diagram for Class SolutionError

## 31 SolverProperty

Class SolverProperty of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024

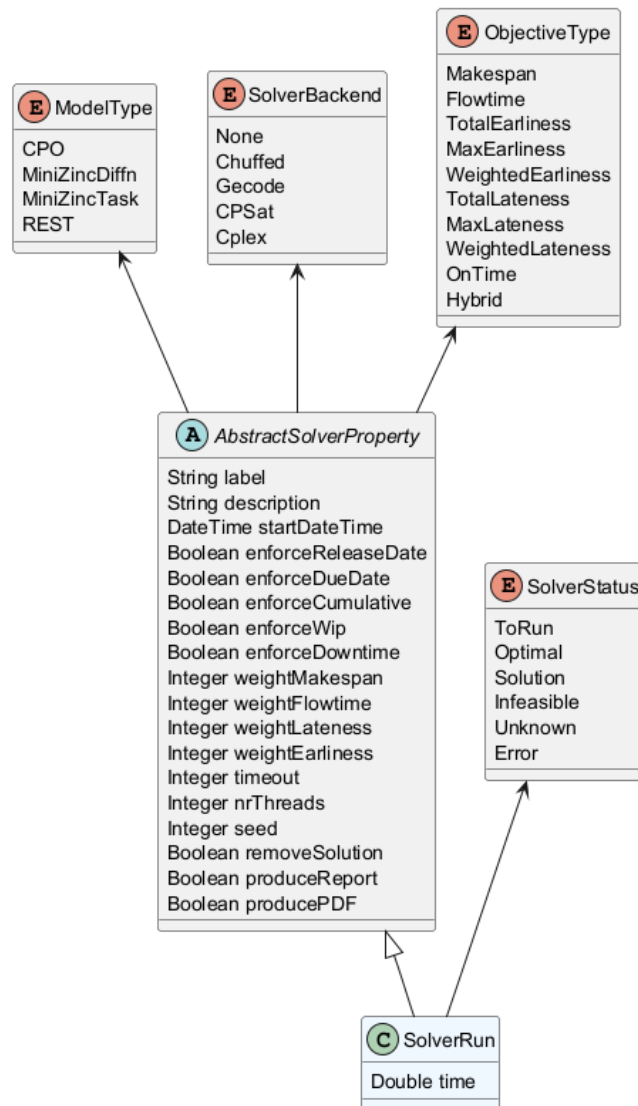


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Figure 33: Class Diagram for Class SolverProperty

## 32 SolverRun

Class SolverRun of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



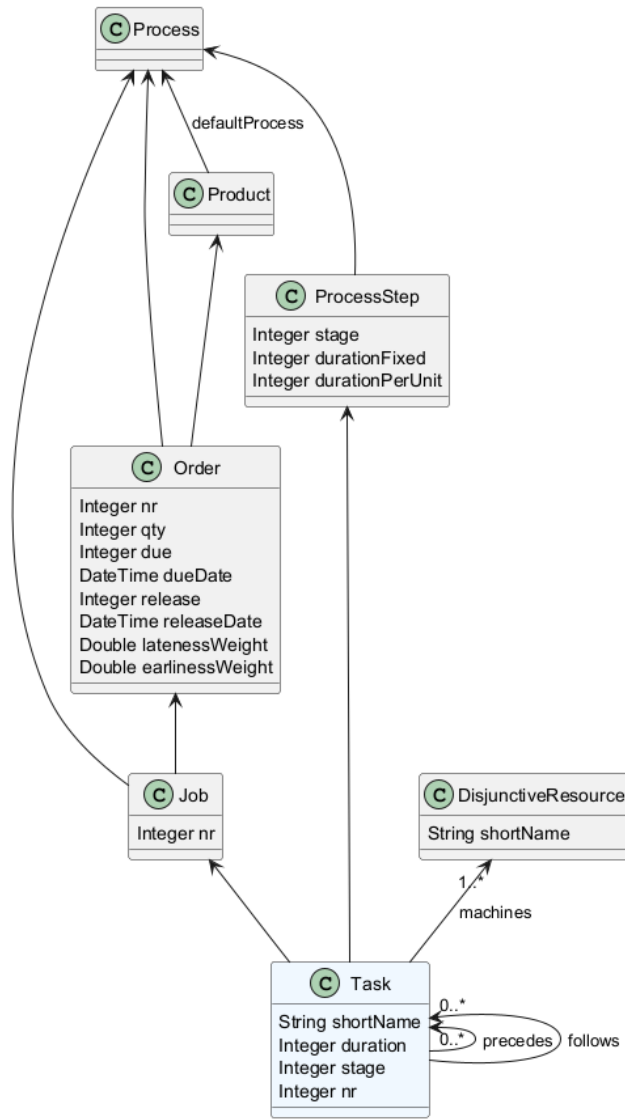
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Figure 34: Class Diagram for Class SolverRun



## 33 Task

Class Task of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



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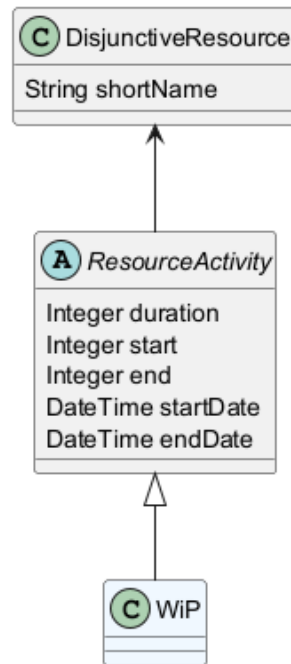
Figure 35: Class Diagram for Class Task

## 34 TaskAssignment



## 35 WiP

Class WiP of application tbscheduling as of Thu Oct 10 12:12:43 IST 2024



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Figure 37: Class Diagram for Class WiP