# Data structure of adjust brightness in schedule

task\_dto.jar contains data structure of adjust brightness in schedule, definition as following:

**package** com.xixun.contract.model;

*//task of adjust brightness in schedule***public class** TaskToSetBrightness {  
 **public** String **createDate**; *//date of creating the task* **public** String **createBy**; *//creator* **public** String **name**; *//task name* **public** List<TaskItemToSetBrightness> **items**; *//task items* **public int defaultBrightness**; *//default brightness, for non-scheduled time*

}

*//scheudled items*

**public class** TaskItemToSetBrightness {  
 **public int brightness**; *//brightness value for scheduled time*

**public** List<Schedule> **schedules**; *//scheduled time*

}

**public class** Schedule {**public** DateType **dateType**; *//if this item value equals to DateType.Range， means scheduled time range from startDate to endDate。 If this item value equals to DateType.All, means the date range : permanent*

**public** String **startDate**;*//for example："2015-10-27"，this value will be valid when dateType equals to DateType.Range* **public** String **endDate**; *//example ："2015-11-18"， this value will be valid when dateType equals to DateType.Range* **public** TimeType **timeType**;*//if this item value equals to TimeType.Range, means this scheduled item’s time range :everyday tartTime to endTime. If this item value equals to TimeType.All， means time range : whole day*

**public** String **startTime**;*//example ："07:30"，this value will be valid when timeType equals to TimeType.Range* **public** String **endTime**; *//example："21:40"， this value will be valid when timeType equals to TimeType.Range*

**public** FilterType **filterType**;*//if this item value is FilterType.None, means not filter scheduled items. If this item value is FilterType.Week，means filter according to week. If this item value is FilterType.Month，means filter according to month.* **public** List<Integer> **weekFilter**;*// sunday==0 example ：[1,6,0] means filter according to Monday, Saturday and Sunday., this value will be valid when filterType equals to FilterType.Week* **public** List<Integer> **monthFilter**;*// example：[1,13,28] means filter according to 1th, 13th, 28th date per month, this value will be valid when filterType equals to FilterType.Month*

}

**public enum** DateType{  
 ***Range***,  
 ***All***}

**public enum** TimeType {  
 ***Range***,  
 ***All***}

**public enum** FilterType {  
 ***None***,  
 ***Week***,  
 ***Month***}