IProductPlanService

- timerService:ITimerService
- productPlanDao:IProductPlanDao

+ createProductPlan():long
+ saveProductPlan():boolean
+ addProductPlan():boolean
+ modifyProductPlan():boolean
+ launchProductPlan():boolean
+ getProductPlans():ProductPlanVO
+ batchGetByIds():List
+ deleteByIds():boolean
+ modifyAmount():boolean
+ getCurPlanAnnId():long

ITimerService

- timerDao:ITimerDao
- productPlanDao:IProductPlanDao

+ addTimer():boolean
+ editTimer():boolean
+ deleteTimer():boolean
+ getTimers():List<TimerVO>
+ getCurrentTimer():long
+ batchModify():boolean
+ checkOverlap():boolean

ProductPlanController

- productPlanService:IProductPlanService
- timerService: ITimerService

+ create():SimpleResponse
+ save():SimpleResponse
+ edit():SimpleResponse
+ launch():SimpleResponse
+ menu():SimpleResponse
+ getOpenTime():SimpleResponse
+ addTimer():SimpleResponse
+ editTimer():SimpleResponse
+ deleteTimer():SimpleResponse
+ checkTime():SimpleResponse

《interface》 ProductPlanService

+ createProductPlan():long
+ saveProductPlan():boolean
+ addProductPlan():boolean
+ modifyProductPlan():boolean
+ launchProductPlan():boolean
+ getProductPlans():ProductPlanVO
+ batchGetByIds():List
+ deleteByIds():boolean
+ modifyAmount():boolean
+ getCurPlanAnnId():long

《interface》 TimerService

+ addTimer():boolean
+ editTimer():boolean
+ deleteTimer():boolean
+ getTimers():List<TimerVO>
+ getCurrentTimer():long
+ batchModify():boolean
+ checkOverlap():boolean

《interface》 ProductPlanDao

+ findListByIds(): List
+ getProductPlanById():boolean
+ getProductPlansByAnnId():List
+ getProductPlansByMenu():List
+ updateAvailable():boolean
+ modify():boolean
+ batchDeleteByIds():booleann

ITimerDao

- begin:Timestamp
- end:Timestamp

+ queryById():TimerEntity
+ deleteById():boolean
+ getByAnnId():List<TimerEntity>
+ getCurBeginTime():Timestamp
+ getCurrentTimer():TimerEntity
+ batchGetTimer():List<TimerEntity>
+ getOverlapTimer():List<TimerEntity>

IProductPlanDao

- materialClient:MaterialClient

+ findListByIds(): List
+ getProductPlanById():boolean
+ getProductPlansByAnnId():List
+ getProductPlansByMenu():List
+ updateAvailable():boolean
+ modify():boolean
+ batchDeleteByIds():boolean

《interface》 TimerDao

+ queryById():TimerEntity
+ deleteById():boolean
+ getByAnnId():List<TimerEntity>
+ getCurBeginTime():Timestamp
+ getCurrentTimer():TimerEntity
+ batchGetTimer():List<TimerEntity>
+ getOverlapTimer():List<TimerEntity>

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