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**PROJECT-TEAM-01**

**CLASSES, ATTRIBUTES AND METHODS**

**NAME TEAM:** AlphaTeam

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**TEAM TOPIC: “*Implementation of an Intelligent House”***

**CLASSES, ATRIBUTES AND METHODS**

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| **House** |
| * color: String * -rooms : Room[] * television : Television * soundSystem : SoundSystem * alarmSignal : AlarmSignal |
| + beControled(): void |

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| **User** |
| * name: String * age: int * house : House[1] * cellphone : Cellphone[1] |
| + doTask(): void |

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| **Cellphone** |
| * model: String * userName: String * color: String |
| + openDoor(): void  + closeDoor(): void  + turnOnLight(): void  + turnOffLight(): void  + turnOnTelevision(): void  + turnOffTelevision (): void  + turnOnSoundSystem(): void  + turnOffSoundSystem (): void  + activateAlarmSignal (): void  + deactivateAlarmSignal (): void |

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| **Task** |
| * name: String * type: String |

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| **Door** |
| * lenght: int * width: int * color: String * numberOfDoor: int * material: String * open : boolean |
| + openDoor(): void  + closeDoor(): void |

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| **Light** |
| * color: String * potencyWatts: int * on : boolean |
| + turnOnLight(): void  + turnOffLight(): void |

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| **Room** |
| * size: String * color: String * numberOfRoom: int * doors : Door[2] * light : Light |
| + hasDoors(): void  + hasLights(): void |

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| **Television** |
| * inches: int * color: String * brand: String * model: String * on : boolean |
| + turnOnTelevision(): void  + turnOffTelevision (): void |

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| **SoundSystem** |
| * potencyWatts: int * color: String * brand: String * model: String * on : boolean |
| + turnOnSoundSystem(): void  + turnOffSoundSystem (): void |

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| **AlarmSignal** |
| * brand: String * model: String * typeOfSound: String * on : boolean |
| + activateAlarmSignal (): void  + deactivateAlarmSignal (): void |