****

**PROJECT-TEAM-01**

**CLASSES, ATTRIBUTES AND METHODS**

**NAME TEAM:** AlphaTeam

**LEADER TEAM:** Altamirano Cristhian

**MEMBERS TEAM:**

* Almache Litardo Anderson Moises
* Altamirano Benalcazar Cristhian Alexander
* Alvarez Ramirez Michelle Estefania
* Andrade Carate Alan Damian
* Andrango Espinosa Alex Paul

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

**CLASSES, ATRIBUTES AND METHODS**

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

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



**MODEL**

|  |
| --- |
| **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 |

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

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



**MODEL**

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

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

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

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

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