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Seguimiento 5

Algoritmos y programación 1

**Requirements análisis:**

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| --- | --- | --- | --- |
| Name or identifier | addPerson | | |
| summary | This method allows to add people to the planetarium | | |
| Inputs | **Input name** | **Data type** | **Selection or repetition condition** |
| namePerson | String | It is repeated until the person enters the corresponding information |
| yearsPerson | int |  |
| idPerson | String |  |
| Result or Postcondition | The new person is expected to be added or cannot be added due to lack of space in the array. | | |
| outputs | **Output name** | **Data type** | **Selection or repetition condition** |
| msj | String |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Name or identifier | changePersonPlanet | | |
| summary | This method allows change a person from one planet to another. | | |
| Inputs | **Input name** | **Data type** | **Selection or repetition condition** |
| namePlanet | String | It is repeated until the person enters the corresponding information |
| personId | String |  |
| namePerson | String |  |
| yearsPerson | int |  |
| newPlanetName | String |  |
| Result or Postcondition | The person is espected to be deleted from its past planet and added to a new one, or not be either deleted or added due a lack of space in the array. | | |
| outputs | **Output name** | **Data type** | **Selection or repetition condition** |
| msj | String |  |
|  |  |

**traceability table:**

|  |  |  |
| --- | --- | --- |
| **Requerimiento Funcional** | **Nombre de la Clase** | **Nombre del método** |
| R1.  Calculate in what stages of life the person is in. | Person | typeOfPerson() |
|  |  |
|  |  |
| R2.  Change a person to another planet. | SolarSystem | changePersonPlanet() |
| SolarSystem | callHasEmptyPos() |
| SolarSystem | searchPlanetByName() |
| SolarSystem | addPersonToPlanet() |
| Planet | deletePerson() |
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