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| **Requerimiento Funcional** | **Nombre de la Clase** | **Nombre del metodo** |
| ReqFunc001  Menu | Class Executable | * Run() |
| ReqFunc002  Create galaxy. | Class Executable | * Run() * create\_galaxy(); * enterGalaxyName(); * enterGalaxyDistance(); * chooseGalaxyType(); * dataCreateBlack\_Hole() * dataCreatePlanet() |
| Class Controller | * create\_galaxy() * galaxyRepeat() * addPhotoGalaxy() * createBlack\_Hole() * addPhotoBlackHole() * createPlanet() * PlanetRepeat() * addPhotoPlanet() |
| Class Galaxy | * getname\_Galaxy() * gettype\_Galaxy() * getdistance\_Galaxy() |
| Class Black\_Hole | * getName() * getType() * getMass() * getDistance() * addPhoto() * getPhotos() |
| Class Planet | * getName() * getSatellite\_Number() * getMass() * getRadium() * calc\_Volume() * calc\_Density() * addPhoto() * getPhotos() |
| Class Photo | * getUrl() * getName\_Telescope() * getDate() * get\_Telescope() |
| Class Telescope | * getName() * getPhotos\_Number() |
| ReqFunc003  See specific galaxy. | Class Execute | * Run() * See\_specificGalaxy() |
| Class Controller | * infoGalaxy() |
| Class Galaxy | * toString() |
| Class Photos | * toString() |
| ReqFunc004  Deletion galaxy | Class Executable | * Run() * galaxyDeletion() |
| Class Controller | * galacyDeletion() |
| Class Galaxy | * setname\_Galaxy() * settype\_Galaxy() * setdistance\_Galaxy() |
| Class Black\_Hole | * setName() * setType() * setMass() * setDistance() * setPhotos() |
| Class Planet | * setName() * setSatellite\_Number() * setMass() * setRadium() * setPhotos() |
| Class Photo | * setUrl() * setDate() * set\_Telescope() |
| Class Telescope | * setName() * setPhotos\_Number() |
| ReqFunc005  consult black hole | Class Executable | * Run() * Info\_BlackHole() |
| Class Controller | * infoBlack\_Hole() |
| Class Black\_Hole | * getName() |
| Class Galaxy | * getName() |
| ReqFunc006  Register planet. | Class Executable | * Run() * Create\_Planet() |
| Class Controller | * Create\_Planet() * PlanetRepeat() |
| Class Galaxy | * getName() |
| Class Planet | * getName() * getSatellite\_Number() * getMass() * getRadium() * calc\_Volume() * calc\_Density() * addPhoto() * getPhotos() |
| Class Photo | * getUrl() * getName\_Telescope() * getDate() * get\_Telescope() |
| Class Telescope | * getName() * getPhotos\_Number() |
| ReqFunc007  Consult planet | Class Executable | * Run() * Info\_Planet() |
| Class Controller | * Info\_Planet() |
| Class Galaxy | * getName() |
| Class Planet | * toString() |
| ReqFunc008  Delete planet | Class Executable | * Run() * Delete\_Planet() |
| Class Controller | * Delete\_Planet() |
| Class Galaxy | * getName() |
| Class Planet | * setName() * setSatellite\_Number() * setMass() * setRadium() * setPhotos() |
| Class Photo | * setUrl() * setDate() * set\_Telescope() |
| Class Telescope | * setName() * setPhotos\_Number() |
| ReqFunc009  Modify planet | Class Executable | * Run() * ModifyPlanet() |
| Class Controller | * ModifyPlanet() |
| Class Galaxy | * getName() |
| Class Planet | * setName() * setSatellite\_Number() * setMass() * setRadium() * setPhotos() |
| Class Photo | * setUrl() * setDate() * set\_Telescope() |
| Class Telescope | * setName() * setPhotos\_Number() |
| ReqFunc0010  farthest galaxy | Class Executable | * Run() * sortGalaxyByDistance () |
| Class Controller | * sortGalaxyByDistance () |
| Class Galaxy | * getDistance() |
| ReqFunc0011  Max Density of planet | Class Executable | * Run() * Planet\_density () |
| Class Controller | * infoPlanetDensity () |
| Class planet | * getDensity() |
| ReqFunc0012  satellite with more photos | Class Executable | * Run() * InfoTelescope () |
| Class Controller | * InfoTelescope\_Max () |
| Class Telescope | * getName() * getphotos\_Number |