**Traceability between analysis and design**

**Functional requirements Assignment #1:**

1. Create a new Serie.
2. Create a new film.
3. Show the information of one product according to one name entered by the user.
4. Create the next season of one Serie.
5. Show all the films according to one category entered by the user.
6. Show all the series and the information of its last series.

**Requirement 1:**

|  |  |  |
| --- | --- | --- |
| **Request name** | **Methods** | **Class name** |
| R1: create a new Serie. | showMenu | StreamingSystem |
| executeOperation | StreamingSystem |
| showMenuProduct | StreamingSystem |
| createASerie | StreamingSystem |
| verifyNameExist | Channel |
| thereIsSpaceForProduct | Channel |
| addSerie | Channel |

**Requirement 2:**

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| --- | --- | --- |
| **Request name** | **Methods** | **Class name** |
| R2: create a new film. | showMenu | StreamingSystem |
| executeOperation | StreamingSystem |
| showMenuProduct | StreamingSystem |
| verifyNameExist | Channel |
| thereIsSpaceForProduct | Channel |
| addFilm | Channel |

**Requirement 3:**

|  |  |  |
| --- | --- | --- |
| **Request name** | **Methods** | **Class name** |
| R3: Show the information of one product according to one name entered by the user | showMenu | StreamingSystem |
| executeOperation | StreamingSystem |
| showMenuProduct | StreamingSystem |
| findAProduct | StreamingSystem |
| verifyNameExist | Channel |
| consultInformationOfAProduct | Channel |

**Requirement 4:**

|  |  |  |
| --- | --- | --- |
| **Request name** | **Methods** | **Class name** |
| R4: Create the next season of one Serie. | showMenu | StreamingSystem |
| executeOperation | StreamingSystem |
| showMenuProduct | StreamingSystem |
| createANewSeason | StreamingSystem |
| verifyNameExist | Channel |
| createAnewSeason | Channel |
| getProductName | Product |
| thereIsSpaceInSeason | Serie |
| addSeason | Serie |

**Requirement 5:**

|  |  |  |
| --- | --- | --- |
| **Request name** | **Methods** | **Class name** |
| R5: Show all the films according to one category entered by the user. | showMenu | StreamingSystem |
| executeOperation | StreamingSystem |
| showMenuProduct | StreamingSystem |
| thereIsntProducts | StreamingSystem |
| showAllTheFilmsAccordingToACategory | StreamingSystem |
| showFilsmAccorCategory | Channel |
| getMovieCategory | Films |
| getProductName | Product |