**ACTORS**

* C – LEVEL:
  + - NAME
    - SURNAME
    - PICTURE (OPTIONAL, URL)
    - POSTAL ADDRESS (OPTIONAL)
    - PHONE NUMBER (OPTIONAL)
    - EMAIL ADDRESS
  + ADMINISTRATORS
  + USERS
    - * ONE TO MANY (ANTENNA)
      * ONE TO MANY (SUBSCRIPTION)
* B – LEVEL:
  + ACTOR
    - * ONE TO MANY (TUTORIAL)
      * ONE TO MANY (COMMENT)

**OTHER CLASSES:**

* C – LEVEL:
  + ANTENNA
    - SERIAL NUMBER
    - MODEL
    - CO-ORDINATES (LONGITUDE PLUS LATITUDE)
    - AZIMUTH (RANGE 0-360)
    - ELEVATION (0-90)
    - SIGNAL QUALITY (0-100)
    - SATELLITE
      * MANY TO ONE (USER)
      * ONE TO ONE (SATELLITE)
* SATELLITE
  + NAME
  + DESCRIPTION
  + BROADCASTED PLATFORMS (COLLECTION)
    - ONE TO ONE (ANTENNA)
    - ONE TO MANY (BROADCASTED PLATFORM)
* BROADCASTED PLATFORM
  + NAME
  + DESCRIPTION
    - MANY TO ONE (SATELLITE)
    - ¿ONE TO MANY (SUBSCRIPTION)? (PUNTO 4)
* SUBSCRIPTION
  + KEY CODE (UNIQUE) (SEE 11)
  + START DATE (DATE)
  + END DATE (DATE)
  + CREDIT CARD (VALID)
    - MANY TO ONE (USER)
    - ¿MANY TO ONE (PLATFORM)? (PUNTO 4)
* B – LEVEL:
  + TUTORIAL
    - LAST EDITION (MOMENT)
    - TITLE
    - TEXT
    - PICTURES (COLLECTION, OPTIONAL, URL)
      * MANY TO ONE (ACTOR)
      * ONE TO ONE (COMMENT)
* COMMENT
  + WRITE MOMENT
  + TITLE
  + TEXT
  + PICTURES (COLLECTION, OPTIONAL, URL)
    - MANY TO ONE (ACTOR)
    - ONE TO ONE (TUTORIAL)
* A – LEVEL:
  + COMMENT
    - * ¿ONE TO MANY (COMMENT)? (SEE 19)

**REPOSITORIES, SERVICES AND VIEWS:**

* C – LEVEL:
  + NONAUTH:
    - CREATE (USER)
    - LIST (SATELLITE)
      * DISPLAY (BROADCASTED PLATFORM)
* LIST (BROADCASTED PLATFORMS)
  + DISPLAY (SATELLITE)
* SEARCH SATELLITES (PUNTO 5.4)
* SEARCH PLATFORMS (PUNTO 5.4)
* USER:
  + SAME AS NONAUTH EXCEPT CREATE (USER)
  + CREATE, EDIT, DELETE AND LIST OWN ANTENNAS (ONLY AVAILABLE TO THE OWN USER)
  + CREATE (SUBSCRIPTION) ONLY WITH A VALID CREDIT CARD. GENERATES A KEY CODE (SEE SUBSCRIPTION)
* ADMINISTRATOR:
  + DISPLAY A DASHBOARD (SEE THE 7.1)
* B – LEVEL:
  + NONAUTH:
    - LIST (TUTORIAL)
    - DISPLAY (TUTORIAL) WITHOUT DISPLAY THE COMMENTS
* USER:
  + LIST (TUTORIAL)
  + DISPLAY (TUTORIAL) AND DISPLAY THE COMMENTS
  + CREATE, EDIT (TUTORIAL)
  + CREATE (COMMENT) CONFIRMATION IS REQUESTED BEFORE POSTING. THEY CAN’T BE EDITED.
* ADMINISTRATOR:
  + DELETE (TUTORIAL)
  + DELETE (COMMENT)
  + DISPLAY A DASHBOARD (SEE 16.3)
* A – LEVEL:
  + USER:
    - CREATE A REPLY (COMMENT) IN A DISPLAY (COMMENT)
* ADMINISTRATOR:
  + DISPLAY A DASHBOARD (SEE 21.1)

**NON – FUNCTIONAL:**

* C – LEVEL (SEE 8-9-10-11)
* B – LEVEL (SEE 17-18)
* A + LEVEL (SEE 22-23)