

FUNCTIONAL REQUIREMENTS

1st functional requirement:

The system must allow every user who uses Orbit to register. It will be necessary to enter the Nickname and password.

2nd functional requirement:

During the authentication phase, the system must request the user to enter the Nickname and password. The data will be verified and the outcome of the operation will be displayed.

3rd functional requirement:

The system must allow authenticated users to end the session.

4th functional requirement:

The system must enable different functionalities depending on the type of user interfacing with it; depending on the case, the software will make certain methods available.

5th functional requirement:

The system must allow every user to view their own library containing purchased games.

6th functional requirement:

The system must allow every authenticated user to choose a game to purchase and add it to their own library.

7th functional requirement:

The user must be able to review a game in their possession.

8th functional requirement:

The user must be able to use different payment methods for purchasing a game.

9th functional requirement:

Admins must be able to ban users and games.

10th functional requirement:

Publishers must be able to publish their own games on Orbit.

NON-FUNCTIONAL REQUIREMENTS

1st non-functional requirement:

It is not required that the user has particular training to be able to use the implemented software.

2nd non-functional requirement:

The system must ensure that each user has access only to the functionalities of their own role.

3rd non-functional requirement:

The system must be able to function on any device equipped with a JVM.

4th non-functional requirement:

The system must be implemented using JavaSE 21 while for database queries the SQL language must be used.

5th non-functional requirement:

The implementation of graphical interfaces must be carried out using the java.AWT and javax.Swing libraries.

6th non-functional requirement:

The project must be completed by February 2026.

7th non-functional requirement:

The project documentation must be created using draw.io, Word and PDF.

8th non-functional requirement:

The data of each user must be saved in such a way as to guarantee the privacy of each user.