1 **Unit test** – to test the possibility of leaving comments under site news.

2 **Integration test** – check the possibility of leaving a comment under the news on the site by a registered user.

3 **System test** – check the ease of use of all site elements.

4 **With Acceptance criteria** (given – system load, when – up to 2,000 users “enter” the site at the same time, then – pages on the site open quickly) we do an Acceptance test:

given – load the system using JMeter; when - the number of simultaneous API requests is equal to 2500; then - the site "hangs".

given – load the system using JMeter; when - the number of simultaneous API requests is 1900; then – the requirement is fulfilled.

5 **Alpha** – checking the site's operation in the office.

6 **Beta** – testing of the website by football fans.

7 **Gamma** – checking the work of developers, testers, football fans, and site customers.

8.1 **Performance (load)** - check how the site will work when 20,000 users visit it at the same time.

8.2 **Performance (stress)** – check at what number of users who are on the site at the same time, its pages will stop loading.

8.3 **Performance (recovery)** – check whether all previously registered users remained on the site after its restoration.

8.4 **Performance (volume)** - check how much faster the site started to work after removing from the database information about all football world championships, not including the last one.

8.5 **Performance (scalability)** - checking whether the site will work quickly if we increase the number of users by 1000.

8.6 **Performance (endurance)** - check how the site will work during the day when 5000 users are on it at the same time.

9 **User Interface** – check whether the picture associated with the main news is constantly loaded when going to the main page of the site from other categories.

9.1 **Usability** – check whether all site categories are displayed in alphabetical order on the left side of the main page.

10.1 **Configuration** – check whether the mobile version of the site works on Android and iOS devices.

10.2 **Portability** - check the site's operation on laptops with Windows and macOS operating systems.

11.1 **Localization** – check whether the date format changes when switching from Ukrainian to English in information about the time of news publication.

11.2 **Internationalization** – check how the site pages will be loaded after switching to English.

11.3 **Globalization** – check whether all news and categories on the site are loaded in the same way when switching from Ukrainian to English and Russian.

12.1 **Re-testing** – to check whether the developer fixed the bug related to user registration on the site.

12.2 **Smoke testing** – to check whether the user can post comments under the news on the site after the development of such a feature by the programmer.

12.3 **Regression** – to check whether the categories on the site continue to be displayed normally after the design and font of these categories have been changed by the developer.

13 **Install** – check whether the instructions for installing the mobile application for the site are written in a form that is understandable for all users.

14 **Security** – check that an unregistered user cannot enter the site under a different name.

15 **Accessibility** – check whether it is possible to use a voice assistant on the site.

16 **AD-hoc testing** – check the possibility of registering on the site when invalid data is entered in the email field.

17 **End-to-end testing** – check the possibility of leaving comments under the news by the user on the site after registration, logging in with entering all the necessary data, and opening a certain news.