Course:
«Developing Server-Side Applications using PHP and AJAX»

The practical part of the exam consists of one task. Students can select any of the below variants. When implementing a project, you must use a framework. For instance, Laravel.

Variant 1.

Create a web project English Premier League Football. The main objective is to provide a user-friendly interface for reading and posting information about the Premier League.

The following information must be stored:

- Teams (name, club crest, city, name of the home stadium, head coach, team lineup, photos of players);
- Matches (team names, result, which of the teams played at home, who scored goals and on what minute, who got yellow and red cards);
- Calendar (who played with whom in the past, who will play with whom in the future);
- Any other information that you may need for the project.

The project must allow the user to:

- View the leaderboard of the current and previous seasons. The leaderboard must display:
  - ▷ team names;
  - ▷ number of games;
  - ▷ number of wins;

- ▷ number of defeats;
- ▷ number of draws;
- ▷ number of goals scored;
- ▷ number of goals conceded;
- ▷ goal difference (the difference between conceded and scored goals);
- ▷ number of points.
- View information about the team;
- View information about matches of the tour and a particular match;
- View the match schedule;
- View news devoted to the English PremierLeague;
- View statistics for the current and past seasons
  - ▷ the best scorer (scored the most goals);
  - ▷ the dirtiest player (maximum number of red cards. If the number of red cards is equal, you must count yellow cards as well);
  - ▷ the best assistant (gave the highest number of assists).

The project must have an administration part. It must allow the administrator to:

- Add/delete/edit information about teams;
- Add/delete/edit information about matches;
- Add/delete/edit news.

Variant 2.

Create a web project Instructions Manuals. People often need to find a manual that they have lost. For example, a refrigerator or a washing machine manual. The main objective of the project is to provide a convenient interface to search for, read, and upload instructions manuals.

The project must allow the user to:

- Search for a manual by a text template. Enter the name of a device in the search bar.
- Read the found manual.
- Download the found manual.
- Complain about a manual to administrators. When complaining, the user must indicate the nature of the complaint.
- Register on the project. Registration is required to upload a manual. Registration must be implemented through the web project form. When logging in or registering, provide CAPTCHA in addition to login and password.
- Upload a manual to the project. When uploading, the user must give a description of the manual. The uploaded manual will be available to users only after it is approved by the administrators.

The project must have an administration part. It must allow the administrator to:

- Add/delete manuals.
- Approve manuals uploaded by users.
- Add/delete/ban/unban users.

Variant 3.

Create a web project Sound Catalog. The main objective of the project is to provide a convenient interface to search for, listen to, and upload sounds.

The project must allow the user to:

- View the sound catalog. All sounds are to be sorted by categories. For example, fire, city, cars, applause, animals, and so on.
- Search for sound by a text template. The user types the name of the sound in the search bar.
- Listen to the found sound.
- Download the found sound.
- Complain about sound to administrators. When complaining, the user must indicate the nature of the complaint. For instance, copyright infringement.
- Register on the project. Registration is required to upload sounds. Registration must be implemented through the web project form. Provide CAPTCHA at login or registration.
- Upload sound to the website. The sound file must have a maximum size limit. When uploading, the user must give a description of the sound and specify its category. The uploaded sound will be available to users after it is approved by the administrators.

The project must have an administration part. It must allow the administrator to:

- Add/delete categories for sounds.
- Move sounds from one category to another.
- Approve sounds uploaded by the user.
- Add/delete/ban/unban users.