

Overview

Our group consists of three students: Gulzhan Kanay 203003@astanait.edu.kz, Anuar Bayakhmetov 203075@astanait.edu.kz, and Amir Galymov 203024@astanait.edu.kz from TS-2001 and TS-2002. Anuar is a leader in our group.

Mostly our group used Discord for communication and discussion of the project. In addition, using Google document we easily wrote documentation together.



This site is the complete new website with its own design and logic in code.

The main purpose of this site is to show the goals scored of football teams and display it as combinations using an understandable and beautiful website. Football is a great sport that can be enjoyed by people of all ages and skill levels so the site should be easy to use, up to date, and structural. Incomprehensible websites will only discourage people from using them.

We believe that this project could help us to understand our possibilities and can be a good portfolio in near future.

Project goals and team interests

Project goals

- Create a beautiful and understandable project
- Show knowledge of JavaScript
- Show knowledge of HTML and CSS
- Use a Bootstrap and CSS layout grid. Make website responsive
- Include all elements from criteria

Team interests

- Understand and show knowledge of HTML, CSS, front-end JavaScript, back-end JavaScript (express.js) by creating a website
- Consolidate knowledge of bootstrap
- Establish a solid understanding of website design principles

- Improve team working skills by collaborating with members of our group

Phases

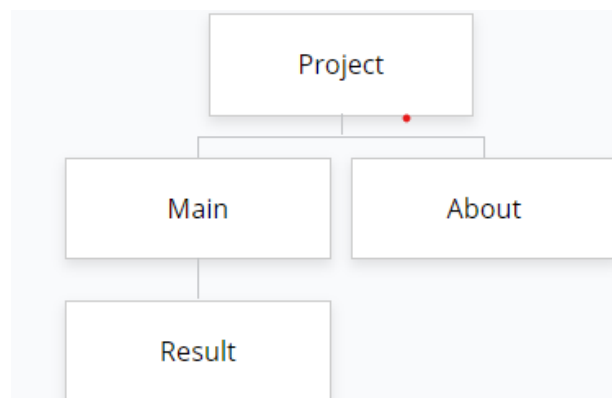
We decided to divide our project in some phases.

- Phase 1 – Create a basis for the website with HTML, with main page, and “about” page
- Phase 2 – Add some design features with CSS file to decorate the website
- Phase 3 – Use javascript to set scripts for back and front end
- Phase 4 - Finish the documentation for this project

Content structure

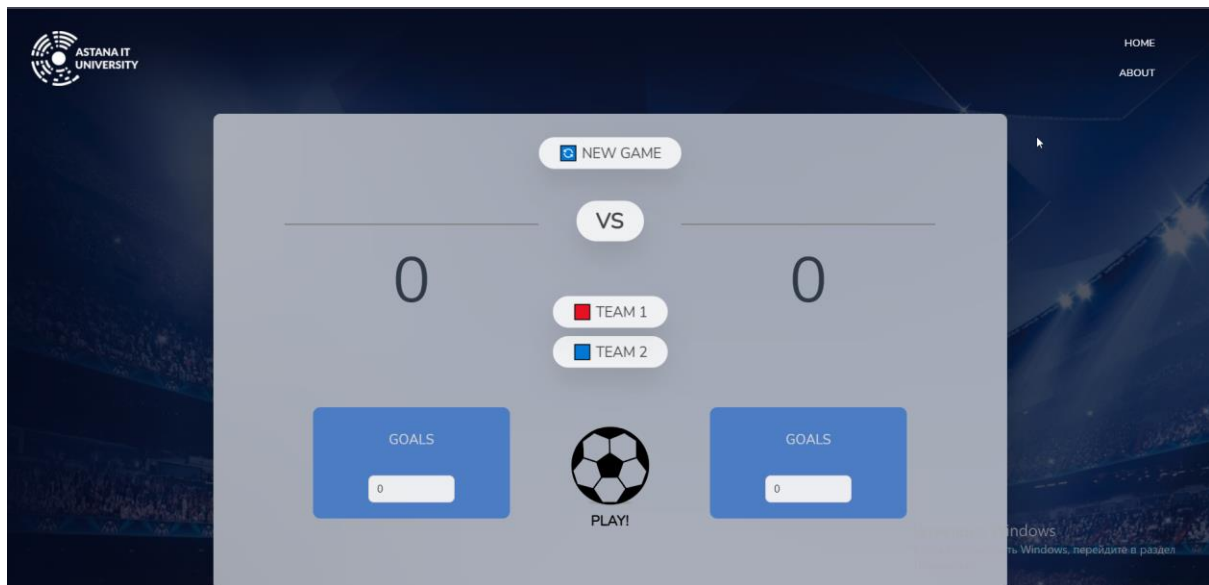
Site map

Here is the map of our website that provides a “tree” type diagram. In the main page users can submit teams name, players names, and goals, and in the Result page users can see the winning team, scored goals and the score list of the team.



Content types

- 1) Main page. Content type: Setting 2 teams parameters.



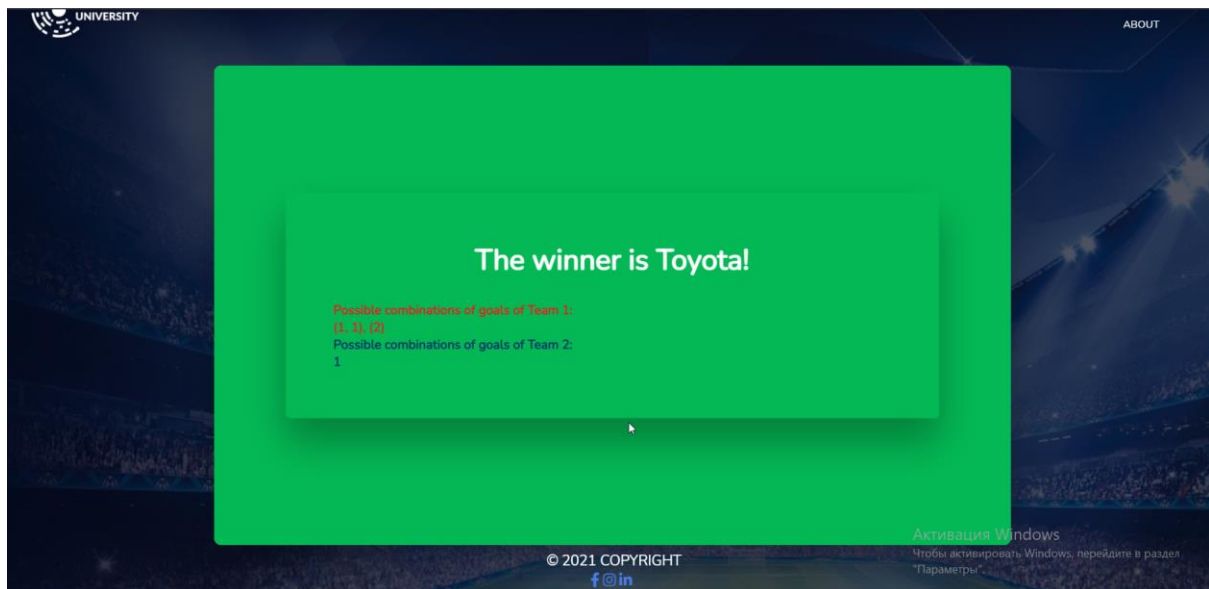
2) Main page. Content type: Input of names (team 1).

This screenshot shows a modal form for entering the name of Team 1. The form has a title 'Team 1 (Leo Messi, Mesut Ozil)' and a subtitle 'The number of players must be less than 11'. Below this is a text input field with the placeholder 'Write names here...'. To the right of the input field is a red 'ENTER' button. The background is a blurred version of the main game interface.

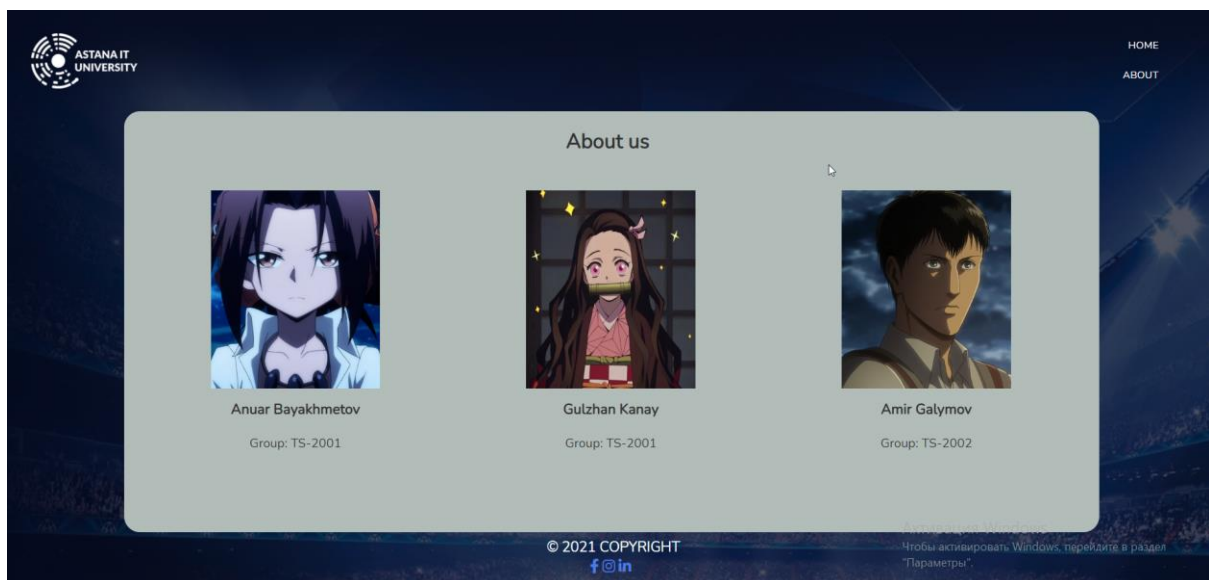
3) Main page. Content type: Input of names (team 2).

This screenshot shows a modal form for entering the name of Team 2. The form has a title 'Team 2 (Leo Messi, Mesut Ozil)' and a subtitle 'The number of players must be less than 11'. Below this is a text input field with the placeholder 'Write names here...'. To the right of the input field is a blue 'ENTER' button. The background is a blurred version of the main game interface.

4) Result page. Content type: Output of the result

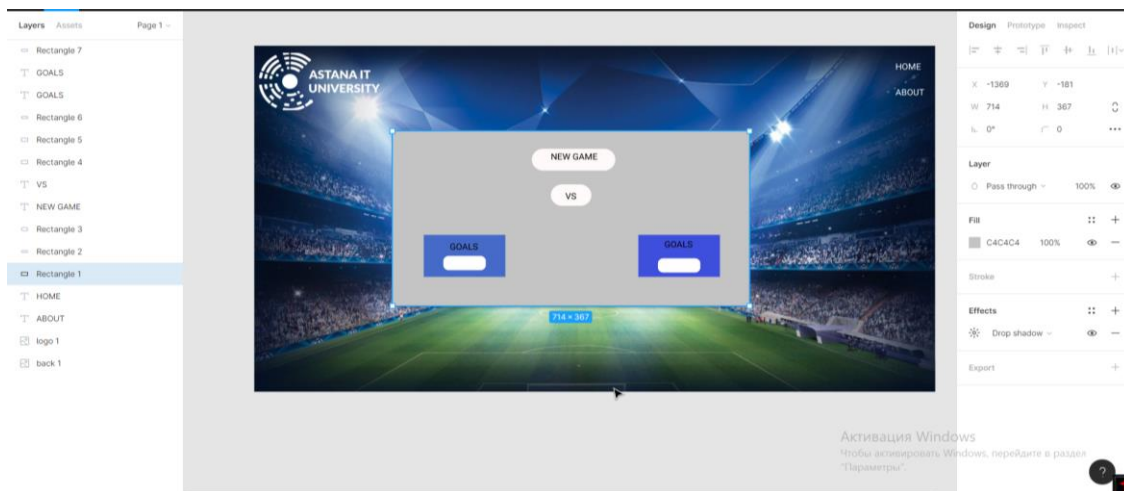


5) About page. Page with our contacts



Design

We used Figma to make a draft for the design for our website. We used this draft to guide the creation of the site itself.



Some methods such as `res.sendFile()` and `querySelector()` are important parts of our code:

In Node.js and Express applications, `res.sendFile()` can be used to deliver files. Delivering HTML files using Express can be useful. We need a solution for serving static pages.

```
const express = require("express");
const app = express();
const port = 3000;
const path = require("path");

//express app.get
app.get("/", function (req, res) {

    res.sendFile(path.join(__dirname + "/index.html"));
    //__dirname : It will resolve to your project folder.
    //__dirname returns the directory that the currently executing script is in.
});
app.get("/index.html", function (req, res) {
    res.sendFile(path.join(__dirname + "/index.html"));
    //__dirname : It will resolve to your project folder.
});
app.get("/style.css", function (req, res) {
    res.sendFile(path.join(__dirname + "/style.css"));
});
```

Document method `querySelector()` returns the first element of the document that is matching to the given selector or group of selectors. If there are no matches, it returns null.

```
const hidden1 = document.querySelector(".hidden1");
const hidden2 = document.querySelector(".hidden2");
const hidden3 = document.querySelector(".hidden3");
const hidden4 = document.querySelector(".hidden4");
const overlay1 = document.querySelector(".overlay1");
const overlay2 = document.querySelector(".overlay2");
const overlay3 = document.querySelector(".overlay3");
const overlay4 = document.querySelector(".overlay4");
const team1 = document.querySelector(".btn-team1");
const team2 = document.querySelector(".btn-team2");
const enter1 = document.querySelector(".enter1");
const enter2 = document.querySelector(".enter2");
const goals1 = document.querySelector(".goals1");
const goals2 = document.querySelector(".goals2");
const play = document.querySelector(".ball");
const names1 = document.querySelector(".names1");
const names2 = document.querySelector(".names2");
const score1 = document.getElementById("score1");
const score2 = document.getElementById("score2");
const list1 = document.getElementById("list1");
const list2 = document.getElementById("list2");
```

Also modal was used:

Modals are built with HTML, CSS, and JavaScript. They're positioned over everything else in the document and remove scroll from the <body> so that modal content scrolls instead.

Clicking on the modal "backdrop" will automatically close the modal.

Bootstrap only supports one modal window at a time. Nested modals aren't supported as we believe them to be poor user experiences.

```
<span><h2>VS</h2></span>
<div class="modal hidden1">
  <h1>Team 1 (Leo Messi, Mesut Ozil)</h1>
  <p style="font-size: 14px;">The number of players must be less than 11</p>
  <div class="form-group shadow-textarea">
    | <textarea class="form-control z-depth-1 names1" id="exampleFormControlTextarea6" rows="3" placeholder="Write names here..."></div>
  </div>
  <button class="enter enter1">ENTER</button>
</div>

<div class="modal hidden2">
  <h1>Team 2 (Leo Messi, Mesut Ozil)</h1>
  <p style="font-size: 14px;">The number of players must be less than 11</p>
  <div class="form-group shadow-textarea">
    | <textarea class="form-control z-depth-1 names2" id="exampleFormControlTextarea6" rows="3" placeholder="Write names here..."></div>
  </div>
  <button class="enter enter2">ENTER</button>
</div>

<div class="modal hidden3">
  <h1>Number of goals must be less than 7!</h1>
</div>
```

Functionality

The function of this website is to get the list of scores of two teams. In the main page we can set the name of the team, names of the players, and scored goals of each team. After submitting all parameters we can see the result of two teams and overall which team is a winner. So it simplifies counting different combinations of goals as In the About page, you can see some contact information about us.

Hosting

- 1) The repository is created
- 2) Give to project a name and set it as a public
- 3) Upload all files

<https://github.com/anuar02/Final>

Accessibility

The design and functionality of this website is pretty simple and all guest users can set any parameters. Also, they can find all files on github without any problems, and see what is behind all this.

Deadlines

To prevent any troubles with the assignment deadline we gave phases 3 different deadlines:

- Phase 1 – 15 November, 23:00

- Phase 2 –18 November, 23:00
- Phase 3 – 20 November, 23:00
- Phase 4 - 21 November, 23:00

Summary

In conclusion, we would like to say that this project has given us an understanding of our level of knowledge in web development. During development, each of us tried to invest our strength to help each other in those places where we were weak. Now new projects will be added to our portfolios for further development in the part of css designing, coding and employment.