

# CmpE352 Milestone 2 Individual Part

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# 1 Introduction

In this report, the individual part of the second milestone is done and done only by my efforts. In this report, I've explained how I participate into the pre-project that we, as a group, constructed to the process. I've assigned in front end part of the project and assigned the login/signup API. For the sake of project, instead of implementing each function by one person, we've unified the smallest fragments into reasonable sized chunks. I've not participate into coding the login/sign up functionality, rather that doing that, I've tested it. I've used Postman to test each and every functionality of the API my colleagues have written and it seems that it works very well actually.

Furthermore, with Ege Basural, we've configured how to implement front end part of the project, thus started to implement as well. On top of that, I've settled the front end parts of sign up and login functionality with a simple yet elegant approach.

At the end, I've opened a PR for the front end part and with several changes, my PR has been merged to main development branch, from there it is in the master branch. Also I've reviewed several PR's and inform them if any mistake or improvement exists. If not, I told them praising words to improve group dynamics.

## 2 Executive Summary

### 2.1 Which API did you use?

We've used `api.tradingeconomics.com` and `alphavantage.co` as our APIs to extract information about economic events and trading equipments current values.

### 2.2 Why did you choose that API?

#### 2.2.1 Economic Events:

We've chosen the `api.tradingeconomics.com` for free usage and the amount of information which it provides about economic events. It has sufficient amount of traits about any economic event, and it is free to use. There was no better option to choose.

#### 2.2.2 Trading Equipments:

We've chosen `alphavantage.co` for its usage. It has provides automated hourly changes and has 5 query for each unit of time. That was the one we have found in this time, but it may be changed in further plannings.

## **2.3 Briefly explain the details of the chosen APIs.**

### **2.3.1 Economic Events:**

Explained in the previous question.

### **2.3.2 Trading Equipments:**

Explained in the previous question.

## **2.4 What were the details of your task?**

My task has two parts. First one is to edit the front end section of login and sign up parts of the project. Second part is the general part of organizing such functionalities in front end.

### **2.4.1 First Part:**

In first part, I've assigned to organize login and sign up in front end section. I've used simple yet elegant approach to make the functionality more obvious than the style itself.

### **2.4.2 Second Part:**

In second part, I've used a only one header with different pages as tabs routing from it to handle the task.

## **2.5 What functionalities do your API provide?**

As I explained in introduction part, I have not implemented an API for this task. Rather than doing it so, I've tested it. It provides sign up and login functionalities for our project.

## **2.6 What were the challenges you met during implementation?**

As I explained in introduction part, I have not implemented an API for this task. Yet, I've encountered challenges while testing. The bad requests which a user can provide while logging in was somewhat challenging for the API and I've informed my friends about that. Apart from that, there is no significant challenge in this task.

## **3 Review the code of other team members**

### **3.1 Whose code did you review?**

#### **3.1.1 Elif Caliskan:**

Elif's Event Front End As a result, she had some parts of her code mistaken, but Gurkan told her to fix her code, with the miscoded parts so I could not say any improvements. Elif's Event Test At the end, her test code is magnificent to test the front end, thus I've reviewed her code and approved it with haste.

## **4 Unit tests**

I've used Postman to test the APIs and as a unit, I've created dummy requests that several of them has edge cases whereas several of them were full of mistakes. Yet, it responded as how it should respond. With the mistaken ones, it returned 400, which is bad request, whereas with the correct inputs, it responded with 200, which is status OK.

## 5 Pull requests

In the pull requests, I've encountered some problems. At first, I've explained how to implement header and the tabs, but with the front end codes of other functionalities, it may seem hard to compose, thus I've changed my way of thinking. The main page is changed and it became the events page. When the user enters the website, he/she encounters with the events, rather than an index page. That allows me to organize other routers easily.

## 6 Issues

I am assigned	I assign somebody
Issue 110	None.
Issue 77	None.
Issue 76	None.
Issue 72	None.
Issue 62	None.
Issue 57	None.

Table 1: Issues Table

## 7 API documentation

As I explained above, I have not implemented any API for this task. Due to the inefficiency and probability of misconception, my colleagues Bahadir and Gurkan implemented the whole API for this task. Thus, my documentation is no longer provide any information about API. You may look in their documentation. On top of the stated above, though it was not stated as mandatory, I helped API on front end part.