

Dotnet Project



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1. Introduction

1.1. Data API

The API saves the information on the link below in the database.

<https://www.tcmb.gov.tr/kurlar/today.xml>

Date Range must be last 2 months

Database must be PostgreSQL or MySQL

Data Layer must be EFCore

The API must be use swagger

The API must be ASP.Net core

Programming language must be C#

1.2. Bussiness API

The API fetches the requested exchange rate from the cache.

Cache source must be the database

The cache must not use in memory

The API must be use swagger

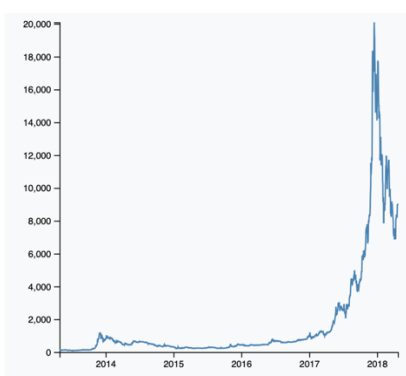
The API must be ASP.Net core

Programming language must be C#

1.3. Currency Web Site

Currency Search

Currency Code	SEARCH
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Web Interface must be ASP.Net Core MVC

When clicking the search button, the webpage retrieves data from the Business API and generate chart.

Web page must be call the Business API with Ajax and use jQuery Framework.

Chart must be generate using by d3js framework.

Web page must be use bootstrap framework

1.4. Environment

Environment must be run on Docker. And it should be run with docker-compose.

Data API

Bussiness API

Database Server

Cache Server

Currency Web Site

1.5. Code Sharing

Create Private Git Repository at Bitbucket.org

Add your source code of project to repository.

Add ozan.vural@provisionpay.com as member to Repository.