**LMS system (Learning management system)**

You should create Web API and its UI for **LMS** system like **Udemy** or **Coursera**

* **Course owner** 
  + Can sign up and sign in , logout with login password and sms 2 factor authentication with fake sms send methods and tables that saves sms codes and telephone numbers
  + Can create course,set price and upload videos (Can create free lessons or lessons should paid lessons and they can not be oped by clients until they pay amount by system)
  + Can see own courses list and detailed informations related to that course
  + Can Enter payment informations and when clients pay for course this accounts’ amount must increase
* **Clients**
  + Can sign up and sign in,logout with telephone number with sms only.Login and password are not required
  + Can see all courses but can not download and search by category , name ,or price and multiple parametrs also
  + Can enter their card informations in their payment section
  + Can buy courses that is not free and pay with their cards
  + Can see monthly watched courses ,and money amount that they spent for buying courses as report
* **Admin part**
  + - Can watch all clients and all Course owners and can block users and can block owners and remove any videos.
  + But can not watch card information related to user card numbers and login password they should saved by hash algorithms in system

**Technologic requirements**

* ASP.NET Web API (**recommended DTOs with AutoMapper**)
* Postgresql or Oracle (one of them)
* Rabbit Mq or Kafka (one of them) for Payment processes
* Deployment with Docker
* File process work with Minio storage (**recommended but optional**)
* Redis or local cache (**optional**)
* UI your choice (WPF , MVC , HTML /CSS,Vue js,Angular , Blazor…) basic UI .This part for only see result of your works

**Payment systems** – not real system.You should create basic methods or fake API for payment and calculate amount in cards

**Sms send system** – not real You need create fake sms sending API