Petsure exam solution

The project is created using .Net Core. I used .Net core because it runs on different platforms, Windows, Linux and Mac.

For the web API, I am using multi-tier architecture since the exam is just a very straight forward approach. The architecture is ready to be migrated to ONION architecture and SOLID design if it is going to be a big project. My architecture is very close to those.

I separated the models, services and the web services as well as the unit testing for easier maintenance on each projects. I am following the single responsibility principle.

For the Web UI, I am using angular cli with the latest version of angular and is using a component-based application structure. It is easier to maintain a component-based application because each component have their own structure and can be moved and maintained separately.

I used ngx-file-drop library for uploading multiple files using file drop. The downside of this library is that it don’t have the ability to browse file but dragging and dropping of files works perfectly.

I used bootstrap modal for displaying warning messages and successful messages. I used this modal because it is customizable and is very easy to use.