Assignment

For ASP.Net MVC 5 - Controller

1) Create a new empty ASP.NET MVC project with language C#.
2) Create a class with name "**Medicine**" and add following properties to the same:
   a) ID - Integer
   b) Name - String
   c) Price - Decimal
   d) ExpiryDate - DateTime
3) Create a static list object of class "**Medicine**" and initialize and add sample data to the same on application start (use Global.asax - Application_Start).
4) Create controller with name "**MedicineController**" and implement following methods using static list object of "**Medicine**" class. (Test methods using Postman or any other debugging tool)
   a) HttpGet - It accepts integer id, if id received then finds and returns a single record from static "**Medicine**" list object as JsonResult. Or else return all records from the static "**Medicine**" list object as JsonResult.
   b) HttpPost - It accepts "**Medicine**" records in the request body, if record is not received then gives a result of 400 Bad Requests. If record is received then verify if it exists in static "**Medicine**" list object and if it exists then give result as "Record already exists" or else add record to static "**Medicine**" list object and give JsonResult with received record.
   c) HttpPut - It accepts "**Medicine**" records in the request body, if record is not received then gives a result of 400 Bad Requests. If a record is received then verify if it exists in a static "**Medicine**" list object and if it exists then update details using the received record and give JsonResult with received record or else return 404 Not Found result.
   d) HttpDelete - It accepts integer id, if id received then find and remove that record from the static "**Medicine**" list object and return the same record as JsonResult. And record not found then return 404 Not Found result.
5) Create a controller with name "**ResourceController**" and return any PDF (store in App_Data folder) file using **FileResult.** And it must be served on the following path scheme - {DomainName}/resource. (use RouteConfig.cs)