Python Web – Ex – Orchestration

1. Create a REST API with Get ALL router that returns data about users with the following structure:

```
[{"id" : 1,
   "name" : "Leanne Graham",
   "email" : "Sincere@april.biz",
   "phone" : "052-22222",
   "address" :
    {
        "city" : "London",
        "Country" : "UK"
    }
},
{"id" : 2,
   "name" : "Ervin Howell",
   "email" : "Shanna@melissa.tv",
   "phone" : "054-5555",
   "address" :
    {
        "city" : "New York",
        "Country" : "USA"
    }
}]
```

- The id, name & email will be provided by the https://jsonplaceholder.typicode.com/users web service

- The mobile phone will be provided by the “persons.json” file With the following structure

```
{
    "persons" :  [{"id" : 1 , "phone" : "052-22222"},
                  {"id" : 2 , "phone" : "054-5555"}]
}
```

- The address will be provided from a MongoDB collections called : “persons” with the following documents

Use BL’s and DALs !!!!

2. Build a web client with the following pages :
   - Users – A page that presents all users data in a table
   - AddUser – A Page with a form for creating a new user. The new data will be divided and be saved to the proper data sources starting with the remote web service.