**Galytix Back-end assignment**

**Description**:

It can be compiled and ran on visual studio, I have hosted it locally. As per requirements I have implemented only POST request API.  
 It will be accessible at [http://localhost: 9091/server/api/gwp/avg](http://localhost:%209091/server/api/gwp/avg) and would need JSON data similar to :

{

"country": "ae",

"lineOfBusiness": [

"property", "transport"

]

}

The application can be tested thoroughly via **Swagger API**, At the end of this document you will find some examples.

GitHub Link: [Assessment](https://github.com/shivam1897/Galytix-Backend-Assement)

**Bonus points attempted**:

•             Call to fetch average gwp is implemented asynchronously

•             I have followed SOLID principles and implemented DI/IoC, same can be verified from code.

•             Database, Functional logic, Controller and Shared Files all are segregated in different projects.

•             Added one unit test for E-E testing.

•             Swagger API support is provided for API call.

•             Added try catch block to handle exceptions.

•  For storage of models, I have mock up a database class in and load the csv's on start-up in memory.

**Sample API Json request:**

{

"country": "ae",

"lineOfBusiness": [

"property", "transport"

]

}

{

"country": "india",

"lineOfBusiness": [

"property", "transport"

]

}

{

"country": "ao",

"lineOfBusiness": [

"property", "transport"

]

}