System Development Test – Carlson Wagonlit Travel

Duration Time: 3 Days

Create a webpage that will search for trips using the bellow criteria:

* Departure Date
* Return Date
* Origin City
* Destiny City

This webpage needs to store each flight options chosen by “user” into a shop cart. The user account must have Personal Data like “Full Name” and Address.

This webpage also requires a form to register the user and a page to view shop cart options;

Non- Functional Requirements:

* UML Class Diagram
* UML Sequence Diagram
* ER Diagram
* Source Code
* Publish Package ( Included Database)
* Clean Code
* At least 2 Gang of Four Design Pattern
* DDD Layers
  + **User Interface** (Presentation Layer): Responsible for presenting information to the user and interpreting user commands.
  + **Application Layer:** This layer coordinates the application activity. It doesn't contain any business logic. It does not hold the state of business objects, but it can hold the state of an application task's progress.
  + **Domain Layer:** This layer contains information about the business domain. The state of business objects is held here. Persistence of the business objects and possibly their state is delegated to the infrastructure layer.
  + **Infrastructure Layer:** This layer acts as a supporting library for all the other layers. It provides communication between layers, implements persistence for business objects, contains supporting libraries for the user interface layer, etc.
* Use this API; please register yourself into Sabre site.

<https://developer.sabre.com/docs/read/Home>

* To search for Airline Information, you can use the service above:
  + Airlines Lookup – Sabre