Homework #1 – Domain Driven Design Assignment – see example of how this home work is to be done in lecture slides from 2/2/2023.

. – INDIVIDUAL ASSIGNMENT (not a team assignment)

You will use basic principles of domain-driven design and how those set of concepts and principals can help you (in decision making) structure a microservices architecture based on business domain.

Step 1:

The fundamental principle of domain-driven design is that by putting effort into trying to understand deeply the business domain of the problem we are trying to solve,

You are to introduce a business problem, or even better, a business opportunity.  Here you will describe it in a couple paragraphs like I did in class.

Step 2:

An intuitive and helpful way of analyzing your business space and identifying the various parts is by identifying the main domain events. You are to draw and show those main domain events in a diagram (as example done in class). You may omit a lot of parts of the business in the diagram for simplicity.

Step 3:

Assume we are part of a sub team and your mission is to the systems that this sub team of this business opportunity.  Here in step 3 you will do the following:

according to these bounded contexts and let work on building services (on paper via a diagram)

Design of a system starts from the requirements so you will give some basic requirements to drive the design (the part that your imaginary sub team is responsible for).  These will be written down and composed eventually into the diagram above.

Note: While I mention sub team that is just part of your imaginary business that you are to create.  This is an individual assignment.  Please see example in class and you may select and do some other business problem or opportunity.