**Ticketing Domain – Introduction**

1. What diagram types do you have on your current project?

There is a component diagram and a state diagram on my current project.

1. What are the pros and cons of UML diagrams?   
   – learning of UML may be a long process (due to variety of standard details and diagram types)

– usually take much time for creation  
– take time for post-creation support (keeping them up to date)   
– it’s important to keep the diagrams simple – that influences on their readability and understanding

+ standardization

+ don’t require technical knowledge to be reviewed by customers, clear for clients, designers and developers

+ allow to decompose complex systems into smaller pieces

1. What is the difference between a structural diagram and a behavioral diagram in UML?

As their names say, structural diagram shows the structure of the system components and their relationship & interaction.

A behavioral diagram describes the way of processes held between the components, how they work over time, the messages and events between the components and the way they are handled.

1. Name the relationship types in a use case diagram

Association, Extend, Include, Use case or actor generalization

1. What is the sequence diagram?

A type of UML diagram that shows the way and the order of objects operate with one another over time. The objects involved in the sequence are represented as a vertical dotted “lifelines”. The interaction between those lifelines is shown with horizontal arrows in the same order (from up to down) the actions are performed