

Protocol (Oct 21, 2021)

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Source:

[Lecture](#)

Worksheets (Provided in class)

[Signavio](#)

Session Topic: EPCs (Event-driven Process Chains)

Lecture:

Note: For this class, Professor Sonnier observed the lecture.

EPCs:

EPCs, or Event-driven Process Chains, are used for business process modeling. Using specific elements, it creates a flow chart to clearly illustrates a specific process. Before practicing one ourselves, we reviewed how to format one, and what to avoid. An EPC must:

- Start and end with an event.
- Alternate between event and function.
- Have a “flow” connecting each element and demonstrating the order and flow of time.
- Use an operator only when the flow splits or merges.
- Use the same operator when splitting and joining (i.e. If an OR operator is used for a split, it must also be used when the flow merges again).
- Use an AND operator for a split after an event.
- Use process interfaces only at the start or end of an EPC.
- Use organizational units only with functions.
- Use loops only if they are finite.

After going over the rules of EPCs, we practiced our own. First, we used a worksheet with an EPC, and found all the errors. There were a total of 12 errors. After a short discussion, we were given a scenario, and told to model it on Signavio. We had a short lesson on using Signavio before we began. Before letting out, we discussed how EPCs could model a program, and be understood by a computer (given some help).