# CS 255 Model Application Short Paper

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## Process Model Application

To apply the process modeling approach to the DriverPass scenario, the following steps will be taken-

* Communication with every stakeholder to understand the purpose of creating and applying this business process model. This means all the staff and employees will be required to be sure about the goals of the system design along with its purpose of its for improvement or communication or something else (Dakic et al., 2018).
* Before actually applying the approach to the DriverPass system, the modeling scope will be identified. It is important because while making a process model, it helps in identifying the left and right process.
* The process approach will be related to the cooperative strategy that the company follows. The process which will be created will require the proper strategy to be in. For this scenario, the company's corporative strategy will be identified and will be aligned with the process model approach.
* I will also create the AS-IS process map will be created to understand the information and define information about the process, description of all the activities that will be taken, the logical way and side of the process, and the limitations of the process.
* Once this model is created, the TO BE model will be designed to identify the improvement areas (Fakorede, Davies & Newell, 2018). This process will include information sequential analytical side, which will help measure data rearing the steps and monitor the whole process.
* After applying the process model approach, the improvement process will be continued. The continuous improvement of processes will be measured by monitoring the business workflow after applying the model and checking if any improvements are required.

## Object Model Application

The object modeling technique is mainly used as the real-world-based modeling approach. The steps that will be taken to implement the object modeling technique are-

* The first way will be analysis of the process, which will involve the preparation of accurate modeling of the problems related to the system. Using this phase, the goal will be set, and the problem statement will be identified for the system. After getting the problem statement, it will be divided into three sections which will be the object dynamic and functional model (Antipin, Vorobyev & Kopylov, 2018).
* During the second phase of the object modeling approach, the determination of all system architecture and tasks will be done. It will include all the high-level architecture for designing the system.
* The third phase of this approach is object designing which will be conducted once the system is done. In this phase, the main focus will be on classifying an object into different classes and the necessary operations that will be required (Müller, Panarotto & Isaksson, 2020). In this phase, the different issues related to the system will also be checked and measured.
* The last phase of this approach will be the implementation phase. This phase will mainly focus on converting all the prepared designs into the main system. And all the designs will be translated and executed.

## Process and Object Model Comparison

The process and object modeling approaches are different, and both will have different pros and cons in the DriverPass scenario (Ghahfarokhi, Berti & van der Aalst, 2021). Applying the process model approach for the project will help in-

* Improving the efficiency will help the business workers to be more productive, which will also save time.
* It will help in gaining transparency by identifying the start and end of the system design.
* It will also help in creating a better understanding of the system processes that will be done.

Whereas using an object modeling approach for the project will help in-

* Identifying the objects of the system by determining their characteristics, properties as well as values (Sugiartawan & Hartati, 2018).
* It will help in simplifying the complex data sets, which will make the whole process easier.
* It also will help in reducing the complexity of the system by visualizing all the process and object details for the developers.
* It will also ensure the project outcome as it will test the physical entities before building the system.

Even though the process modeling approach provides great benefits but it also comes with some corns like it can be costly at times for the DriverPass scenario. It can take time to get results from the process modeling approach for this scenario. As the process modeling approach mainly focuses on all the processes of the system design, it can be limited sometimes to make innovation. While implementing the process modeling approach, if proper communication is not followed, it can create risk for the DriverPass project. Similarly, the object modeling approach is also beneficial for the DriversPass scenario. Still, one of the major downsides of this approach is that sometimes it is not accepted by vendors or clients, and often it is marked as a "lunatic " because it is focused on the objects only. As it focuses on simplifying the complex issues of the DriverPass scenario, it can cause performance problems for the project sometimes.

## References

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