# CS 255 Model Application Short Paper

Austin Niwa

Austin.niwa@snhu.edu

Southern New Hampshire University

The different models that have been used to give insight on the parts that come together to make the app DriverPass each show a different part of the app itself. Through these models we can see the process from start to finish including how the data is flowing. The models are all good at showing different parts of the app. For example object models show all the different parts of the model and how they interact together so that we can get an idea of how one object will work with another and how the objects flow through to each other. The process model will show everyone how the process goes from start to finish giving everyone an idea of how it goes along from when the customer calls in to them finishing their lessons.

## Process Model Application

A process model would be started when a customer calls in to provide their information. They would then be put into the system which would be the start of the model. Then we would have to gather information from the CEO, IT Officer, and everyone working on the project to get a better understanding of the process itself. When we get an idea of how the process works from the other people working on the project using a flow chart would give a good idea of how the process is from the beginning to the end of it. This will give anyone who looks at the chart knowledge of how it works for the customer so they can see any potential hiccups or problems along the way. They could even identify which processes there are in the system, how they are encapsulated and, how they potentially interact with each other to make the system work.

## Object Model Application

Rather than show the process object models show objects. The ways in which they interact, how they do so, and what they need to do. This includes whether these attributes are encapsulated and what methods are potentially used in the object. Data Flow Diagrams would be helpful in showing the object models to identify the objects at play and the attributes.

## Process and Object Model Comparison

The models both have their positives and negatives and are used interchangeably with each other to describe how a system works and show teams how everything should work. They both help each other in describing the roles and the interactions that the different parts have together. Object models show objects in the system, how they interact together, and their attributes. They may need to inherit or share attributes with other objects. While process models show the different steps along the way that these objects would be following and being used to perform. Comparing the two is like putting two puzzle pieces together. They are different but together they help complete the puzzle that is the app that is being created. If we put all the information we have together for the app there will be less chance of problems along the way resulting in delays and bugs that would make the app unusable or have us go past our deadline. Changing the schedule or the process may happen which as well is why teams need to be flexible in how they implement these models and look at them from every angle they can to ensure everything goes as smoothly as it can.

## References

Adkisson, H. (2021, October 5). *Object Modeling for Designers: An Introduction*. Medium. https://hpadkisson.medium.com/object-modeling-for-designers-an-introduction-7871bdcf8baf