# CS 255 Model Application Short Paper

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## Process Model Application

Applying process Modeling to the DriverPass project by creating the steps involved in the process. It will show how to manage the type of packages. The process model can also be used to identify the flow of all activities the student is using. There can be a model on the different flow of each user like for student or administrator.

## Object Model Application

Applying Object Modeling to the DriverPass project by identifying all the objects. It would show all the objects that help make the website. It would display the drivers, issuers, the packages, and all the administrators. The object model can show how each object works with other objects. It will show the relationship of each other. You can also define each attribute and behavior of each object.

## Process and Object Model Comparison

The advantages of Process modeling approach are that you can visually show the process of activities and all information in the system. It can also help show any mistakes or events that may not make sense. We can use process modeling to see where we can improve areas to increase efficiency. We would be able to see errors that we can fix. The process modules can also be able to communicate with all the team, managers, and stakeholders. This can help influence collaborating and decision making.

The disadvantages of modeling approach is that it can get very difficult when having to work on a big project. It can also become so complex that it will be hard to understand. It can also become outdated when time passes by. It will have to start a new process based on the current build. Some features may not exist later in the life cycle.

The advantages of Object modeling are to understand how object s and their relationships. You would be able to see how each object connects to other objects in the program. We can also see how common all the objects are with each other. You would be able to reuse some code for other objects. The object models will be easy to implement to code and be able to finish the code more efficiently.

The disadvantage for Object Modeling is that it can also be very difficult when the project becomes very large and difficult. It can also not be able to capture all the behavior to all the objects. It can lead to a lot of misrepresentation in the code. The same with process modeling, the models will get outdated when the system starts to improve. Then it will have to be redone to fit the newest versions.