

## Homework:-8

1. Describe at least two advantages of using prototypes rather than documents for the self parking car software we discussed in earlier assignments.

Ans:-

- Dictate transforms: It helps to investigate oneself driving highlights which will decrease the expense and time for building the product as the model would direct the work process and in future if there are changes in the plan it would be simple to transform it. Using prototypes in self parking car clients can attempt the framework and give productive criticism during advancement. Moreover, on the opposite side the archive can't make these adjustments part more straightforward and simpler as the model does.
- Improved and expanded client association: Most clients need to feel like they are engaged with complicated subtleties of their undertaking. Moreover, it is better for automatic lane change use prototype because it empowers early location of blunders and exclusions. Prototyping requires client association and empowers them to see and connect with a working model of their venture.

2. Describe at least two risks of using prototypes rather than documents for the self parking car software we discussed in earlier assignments. What could possibly go wrong?

- Multiple times the model would not have similar highlights and functionalities which the clients need, and the engineers probably won't think it as significant one.
- Insufficient analysis: - on the some situation when the prototype automated car system is not working or studied properly than it may lead to fail it. However, when in proper documentation work better when we have proper work flow which is listed proper way.
- Many company waste their and spent their lots of money to prototype which is not good. Because rather than using then they can make good feature using documentation. Which is better for client.

3. Your consulting customers at Driverless Cars have asked you to build a prototype of a software module that would allow cars to change lanes at highway speeds simply by

turning on the turn signal. Will you deliver a prototype or will you convince the customers that extensive documentation along with the prototype is a better plan? Justify your decision by describing the advantages, disadvantages, and costs of delivering just a prototype versus a prototype plus extensive analysis and documentation.

Ans: - In my perspective, deliver a prototype with documentation plan to customer would be beneficial for them. When we have proper description of the feature then in case of prototype plan goes wrong than we have proper written thing which we can use it.

Advantages:-

- We have workflow for each feature
- It can be understood by user very easily
- User can change their requirement in any time if they want
- There is no chance of risk
- We can reuse the prototype

Disadvantage:-

- It is time consuming
- It takes more money for the final product
- It may happen that final product is not ready on that delivery date

Prototype is good because it can be reused for each sprint. Moreover, documentation takes too much time but the final result for that is the best result without any doubt. Moreover, Independent model might be useful, however just for introductory stages. Transformative model illuminates the issues beginning from the scratch each time you build up a model. For this situation, as opposed to building a model for each Sprint, we need one in particular which can be adjusted again for the following Sprint. Thus the expense lessens for such a model. There is no uncertainty that prototype model with record would cost much less than simply a model, yet it would merit doing as such as it would lead the venture to progress.