**Week 3-Project Report**

**Team name:** Project-KC

**Members:**

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**Week’s Objective**: Improving the quality of data using Recursive Feature Elimination (RFE) and to use Decision trees with Cross Validation as the third model.

**Challenges Faced**: Execution of RFE due to a combination of numeric and factor variables in the train data set. The execution of the code took a long time and we had to proceed without that.

**Results:** Developed a decision tree model, with a 10-fold validation control and used the same to predict for the test data set. The results were not satisfactory as in the past week.

**Next Steps:** Further data improvements and analysis using a different model.

**Feedback/Queries**:

1. When using RFE for a dataset with both numeric and factor variables, do we need to convert the factor variables to binary using one hot encoding technique.
2. As the test data doesn’t have the SalePrice column, we had difficulty performing RFE. Any approach on how to handle this.

A screenshot of a phone

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