# Reflective Diary Template

Group Number: 113

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| Full Name | Pradnya Rajendra Alchetti |
| Role in group: | Developer |
| Role responsibilities: | Fixing errors in dirty\_data.csv   * Detecting and Fixing date format * Detecting and Fixing time plus order\_type criteria * Detecting and Fixing branch code based on order\_id * Detecting and Fixing customer\_lat and customer\_lon * Detecting and Fixing distance\_to\_customer\_KM   Imputing missing values:   * detecting and imputing branch\_code and distance\_to\_customer\_KM   Detecting Outliers:   * EDA for detecting outliers |
| Contribution to Group: | 50% |
| Learnings from Project | Learned how to detect errors using exploratory data analysis such as summary, graphs, etc.  Learned to fix the errors and impute the missing values with proper suitable values.  Learned how to detect outliers through EDA. |
| Learning Techniques | The documentation of networkx to determine the shortest path between nodes using Dijkstra’s algorithm helped me to understand how the shortest path between two locations (given latitude and longitude) can be determined.  The lecture slides helped me to understand how the residuals can be used to detect outliers in the given dataset |
| What went well | The group member’s contribution to the assignment. |
| What went wrong? | We started the assignment a bit late so found it difficult to explore the entire data |
| Resolution to solve issues: | We will be starting to work on the assignment as soon as it is released |
| **Overall Conclusion: The given assignment had several challenging tasks such as determining the shortest path using Dijkstra's algorithm, using linear equations to determine order\_price and using linear regression to determine the delivery fee. This assignment helped us to learn how to perform EDA to detect errors and fix those errors.**  **How would you do it, if asked to do it again? I would like to first perform the exploratory analysis on the entire data and then try to fix the errors.** | |

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| Full Name | <Member 2 Name> |
| Role in group: |  |
| Role responsibilities: |  |
| Contribution to Group: |  |
| Learnings from Project |  |
| Learning Techniques |  |
| What went well |  |
| What went wrong? |  |
| Resolution to solve issues: |  |
| **Overall Conclusion:**  **How would you do it, if asked to do it again?** | |