

Project Design Phase-II
Data Flow Diagram & User Stories

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|---------------|--|
| Team ID | PNT2022TMID32480 |
| Project Name | A new hint to transportation - Analysis of the NYC bike share system |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

DATA COLLECTION



in « u s / , i c » fu

CLOUD



ANALYSIS



IMPACTS OF ANALYSIS

TOTAL NUMBER
OF TRIPS

CUSTOMER
AND
SUBSCRIPTION
BY GENDER

TOP BIKE USED
WITH RESPECT
TO TRIP
SURATION

NUMBER OF
BIKES USED BY
AGE GROUP

TOP START STATION
NAME WITH RESPECT
TO CUSTOMER AGE
GROUP

DATASET RECORDS

1. TRIP ID
2. START DATE AND TIME
3. STOP DATE AND TIME
4. USER ID
5. START STATION
6. STATION ID
7. BIKE ID
8. GENDER
9. USER TYPE
10. STATION LATITUDE & LONGITUDE

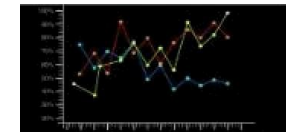
IMPACT OF ANALYSIS ON NYC CITI BIKE SHARE SYSTEM



IMPACT
ON THE SYSTEM



IMPACT
ON THE REPORT



PREDICTIVE MODELING

PARTNER DATA PRODUCT



DASHBOARD



METRIC
RESPONSE

User Stories

Use the below template to list all the user stories for the product.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|-------------------------------|-------------------|--|--|----------|----------|
| Customer, Analysts, Organizations, Government | Collection of user data | USN-1 | Lyft citi bike's official website provides the data to help with analysis, development, visualization etc. Data is collected from these published files. | I can access the data on Lyft citi bike's official website | High | Sprint-1 |
| | Analysing the user data | USN-2 | This data is used as input for creating various types of visualizations and analysis is done and a dashboard is created | I can view the analysis of the citi bike | High | Sprint-1 |
| | Dashboard | USN-3 | The dashboard is used to display the top bike used with respect to trip duration, top 10 Start Station Names with respect to customer age group, to find the customer and subscriber with gender, to find total number of trips & calculating the number of bikes used by respective age groups. | I can register & access the dashboard with login | High | Sprint-2 |