

Project Report Format

| | |
|----------------------|---------------------------------------|
| Date | 8 November ,2023 |
| Team ID | Team -591172 |
| Project Name | Project – Ford GoBike Analysis |
| Maximum Marks | 4 Marks |

1. INTRODUCTION

1.1 Project Overview

1.2 Purpose

2. LITERATURE SURVEY

2.1 Existing problem

2.2 References

2.3 Problem Statement Definition

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas

3.2 Ideation & Brainstorming

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

4.2 Non-Functional requirements

5. PROJECT DESIGN

5.1 Data Flow Diagrams & User Stories

5.2 Solution Architecture

6. PROJECT PLANNING & SCHEDULING

6.1 Technical Architecture

6.2 Sprint Planning & Estimation

6.3 Sprint Delivery Schedule

7. CODING & SOLUTIONING (Explain the features added in the project along with code)

7.1 Feature 1

7.2 Feature 2

7.3 Database Schema (if Applicable)

8. PERFORMANCE TESTING

8.1 Performace Metrics

9. RESULTS

9.1 Output Screenshots

10. ADVANTAGES & DISADVANTAGES

11. CONCLUSION

12. FUTURE SCOPE

13. APPENDIX

Source Code

GitHub & Project Demo Link

INTRODUCTION

➤ Project Overview

Ford GoBike was a bike-sharing program that operated in the San Francisco Bay Area from 2013 to 2020. It was a collaboration between Motivate, a bike-sharing company, and Ford Motor Company. The program aimed to provide an affordable and convenient transportation option for residents and visitors in the Bay Area. Ford GoBike offered a fleet of bicycles stationed at various docking stations throughout San Francisco, East Bay, and San Jose. Users could rent bikes on a short-term basis by purchasing a membership or using a credit card at the docking station. The bikes were equipped with GPS tracking, allowing users to locate and reserve bikes through a mobile app or at the docking station itself.

➤ Purpose

The purpose of Ford GoBike was to provide an affordable, convenient, and eco-friendly transportation option for residents and visitors in the San Francisco Bay Area. By offering a bike-sharing program, Ford GoBike aimed to reduce traffic congestion, promote sustainable transportation, and improve air quality in the region. The program encouraged people to use bicycles for short trips instead of cars, promoting a healthier lifestyle and reducing the overall carbon footprint. Additionally, the availability of GPS-equipped bikes and a user-friendly mobile app made it easy for users to find and rent bikes, enhancing the overall convenience and accessibility of the transportation service.

LITERATURE SURVEY

➤ Existing problem

The existing problem addressed by Ford GoBike was the need for an affordable and convenient transportation option in the San Francisco Bay Area. Prior to the bike-sharing program, residents and visitors faced challenges related to transportation, such as limited mobility choices, traffic congestion, and environmental concerns due to increased reliance on cars. The absence of a widespread, easily accessible, and eco-friendly transportation system in the area posed a problem for people looking for efficient ways to travel short distances.

➤ References

The information provided about Ford GoBike is based on general knowledge up until my last update in January 2022. This knowledge is not sourced from specific references but represents common knowledge available up to that time. If you're looking for more detailed or updated information about Ford GoBike, I recommend checking official sources such as the websites or official announcements from Motivate, Ford Motor Company, or local government websites in the San Francisco Bay Area. Additionally, news articles, press releases, or academic papers related to bike-

sharing programs and urban transportation in the Bay Area might provide more specific and detailed insights into the topic. Please note that specific details might have changed after my last update, so it's essential to refer to the most recent and reliable sources for the latest information.

➤ Problem Statement Definition

The problem statement defined in the given description is the need for an affordable and convenient transportation option for residents and visitors in the San Francisco Bay Area. The lack of such an option could lead to issues like traffic congestion, limited mobility choices, and environmental concerns due to increased reliance on cars. Ford GoBike aimed to address this problem by providing a bike-sharing program with a fleet of bicycles, equipped with GPS tracking, and stationed at various docking stations across the Bay Area. The collaboration between Motivate and Ford Motor Company was established to offer a solution to the transportation challenges faced by the community.

IDEATION & PROPOSED SOLUTION

➤ Empathy Map Canvas



➤ Ideation & Brainstorming

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1

Health and Fitness Promotion, which might encourage people to use their Ford Explorer.

Beneficial for health and fitness looking for eco-friendly exercise options.

The bikes should be regularly maintained to meet the continuous technology upgrades.

Must have different safety features such as telling the user to wear helmets, follow traffic rules etc.

Must take educational initiatives aimed at educating the public about biking benefits and health.

Person 2

Ford Explorer must also provide motorable transportation options.

A user-friendly mobile app for seamless bike rentals.

Docking stations should be more in the high-demand areas.

In the future, we can utilize solar-powered docking stations for sustainability.

Arrangement for bike maintenance and repairs during bad weather conditions.

Person 3

Ford Explorer must also provide motorable transportation options.

Membership plans catering to different user needs.

It should ensure that these bikes are accessible by people with disability.

Implementing AI-driven route suggestions for optimal travel.

Special promotions during holidays and festivals.

Person 4

Should provide various bike models such as standard and electric bikes.

It must provide GPS tracking and navigation feature which will help the users while driving.

Must offer discounts to regular users.

Incorporating in-app gamification elements to enhance user engagement and experience.

Integrating services with ride-sharing apps.

Person 5

Person 6

Person 7

Person 8

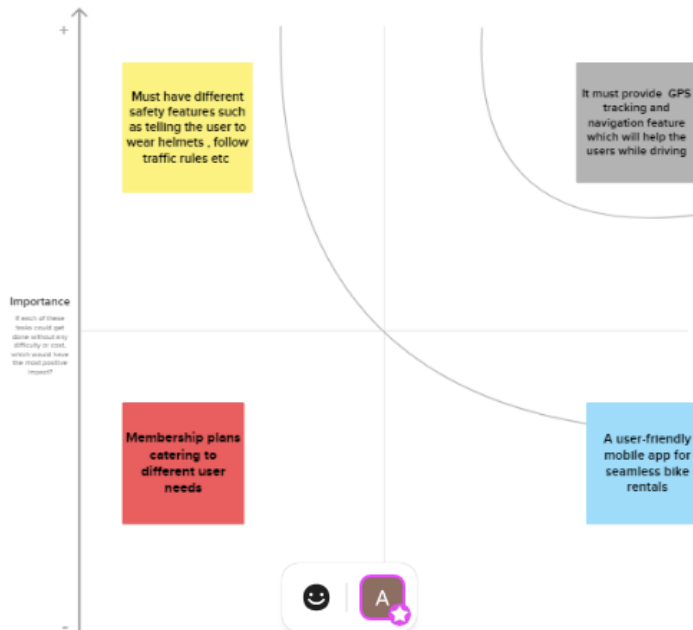
Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

TIP

Participants can use their cursor to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **Key** on the keyboard.



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick actions

- [Share the mural](#)
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- [Export the mural](#)
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

- [Strategy blueprint](#)
Define the components of a new idea or strategy.
[Open the template →](#)
- [Customer experience journey map](#)
Understanding customer journey and experience to develop a plan.
[Open the template →](#)
- [Strengths, weaknesses, opportunities & threats](#)
[Open the template →](#)

[Share template feedback](#)

REQUIREMENT ANALYSIS

➤ Functional requirement

- Project Initiation And Data Collection
- Data Cleaning and Initial Analysis
- User Personal Development and Feature Engineering
- Predictive Model Development
- Model Testing and DashBoard Prototype
- Recommendation System and Final Testing

➤ Non-Functional requirements

Performance: The system should handle a large number of simultaneous users, ensuring quick and responsive service, both in terms of bike availability and mobile app responsiveness.

Scalability: The system should be designed to scale efficiently, accommodating an increasing number of users and bikes without significant performance degradation.

Reliability: The bike-sharing system should be reliable, with minimal downtimes and disruptions, ensuring that users can access bikes whenever needed.

Security: The system's data, including user information and payment details, should be securely stored and transmitted to prevent unauthorized access or data breaches.

Availability: The system should be available 24/7, allowing users to rent bikes at any time of the day or night, enhancing the convenience factor.

Usability: The mobile app and docking station interfaces should be user-friendly, intuitive, and accessible to a wide range of users, including those with disabilities.

Compliance: The system should comply with local regulations and standards related to transportation services, ensuring legal operation and user safety.

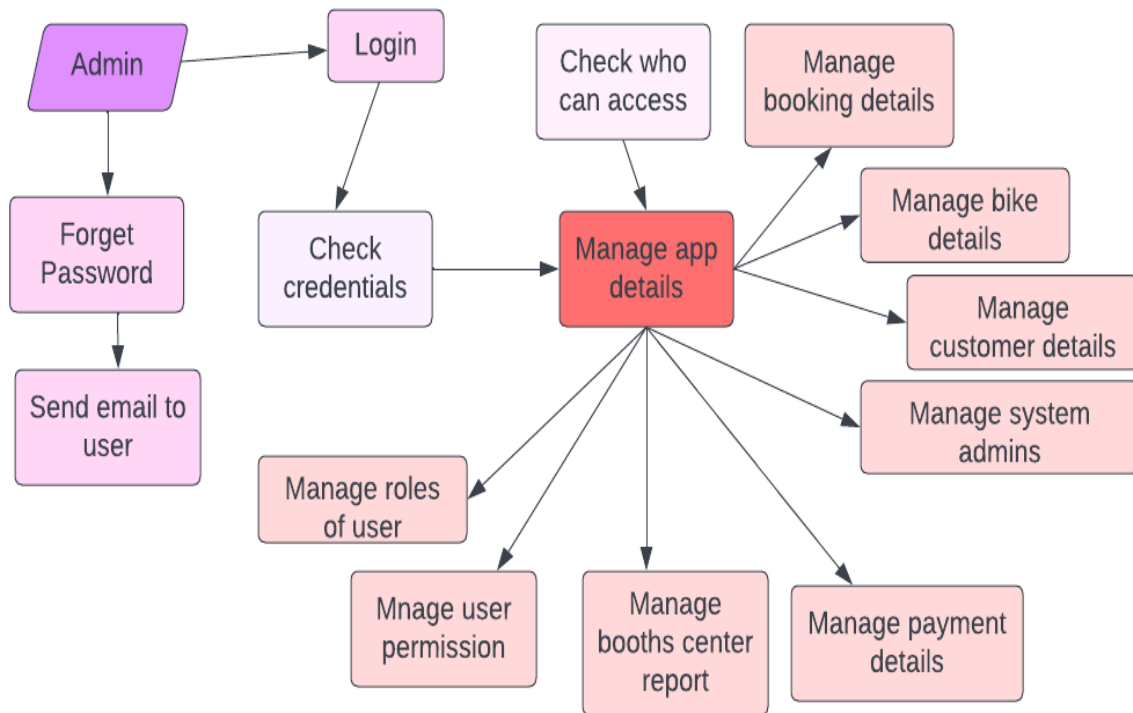
Scalability: The system should be able to handle varying demand throughout the day, week, or year, scaling resources as needed during peak usage times.

Interoperability: The system should be compatible with various mobile devices and operating systems, allowing a broad user base to access the service.

Maintainability: The system should be designed for ease of maintenance and updates, allowing for regular maintenance tasks, software upgrades, and bug fixes without disrupting the service significantly.

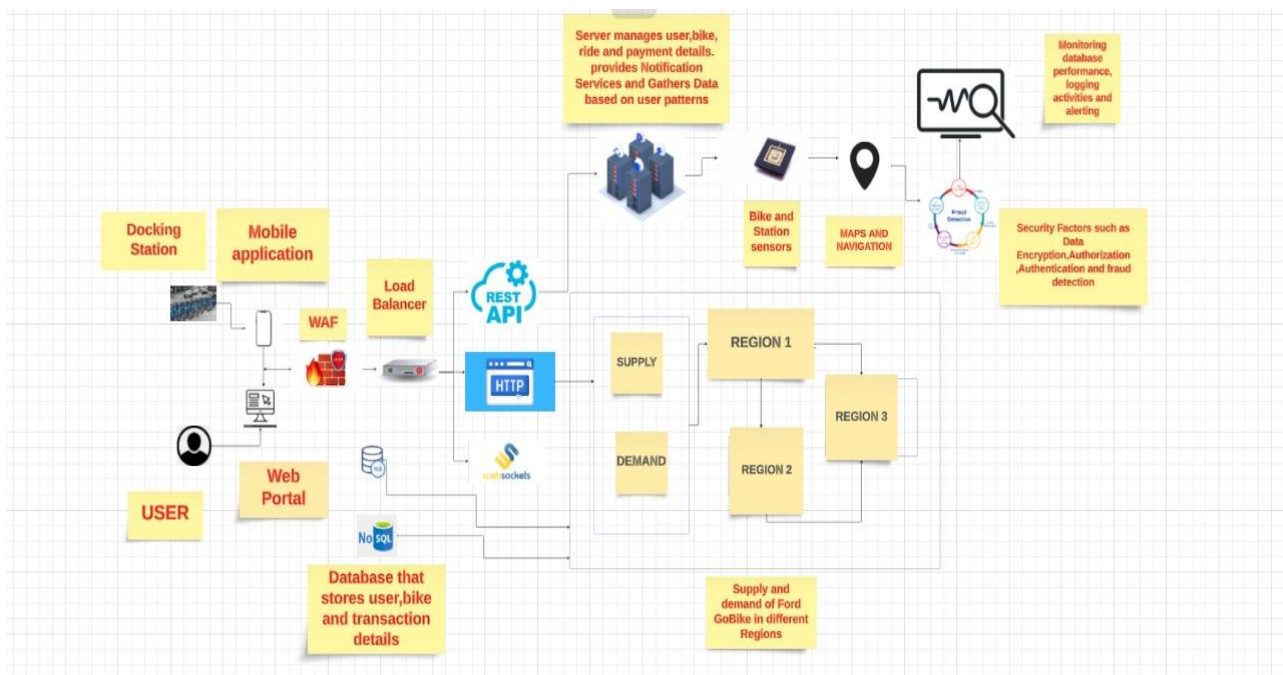
PROJECT DESIGN

➤ Data Flow Diagrams & User Stories



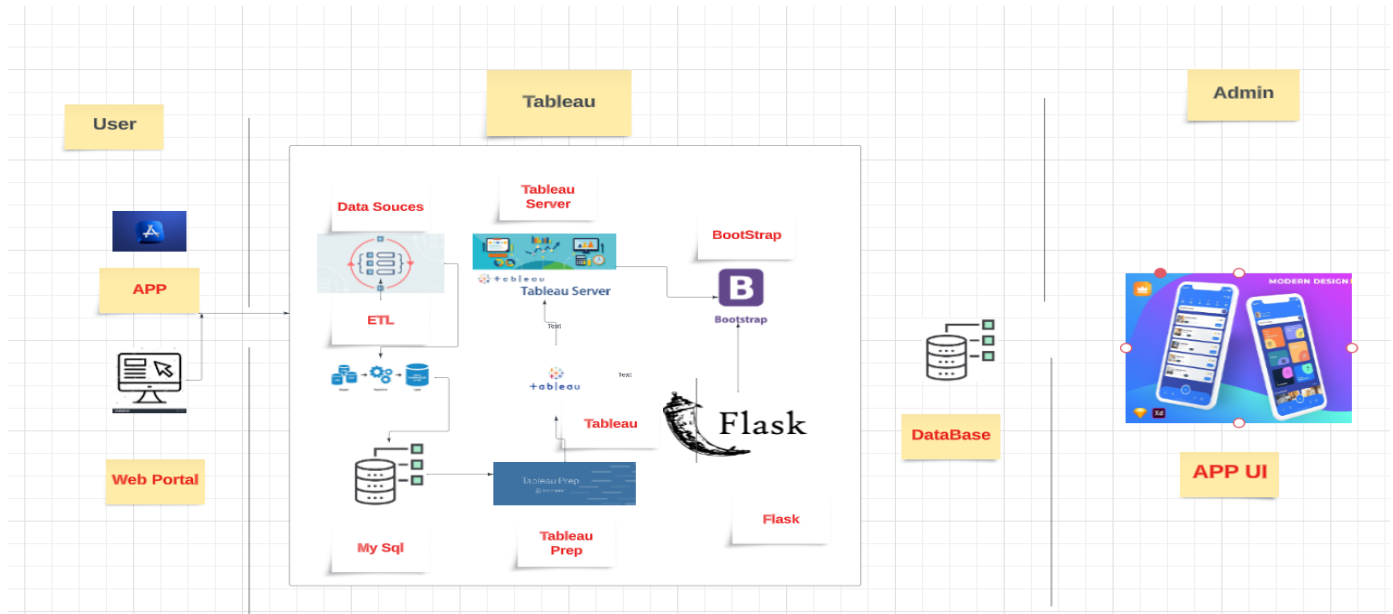
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-----------|-------------------------------|-------------------|---------------------------------------------------------------------------------------------------|---------------------------------|----------|----------|
| Admin | Management | Admin 1 | As an admin, the admin can manage the who can access the website. | I can access the administration | High | Sprint 1 |
| | Login | Admin 2 | As an admin, the admin can login by using email and password. | I can access my account | High | Sprint 1 |
| | Dashboard | Admin 3 | As an admin, the I can look into the insights by using dashboard. | I can access my dashboard | High | Sprint 1 |
| | | | | | | |
| User | Registration | User 1 | As a user, I can register application by entering my email, password, and confirming my password. | I can register for the web app. | High | Sprint 3 |
| | | User 2 | As a user, I can register application by Using google. | I can register for the web app. | Medium | Sprint 2 |
| | Login | User 3 | As a user, I can login by using email and password. | I can access my account | High | Sprint 2 |
| | Dashboard | User 4 | As a user, I can use the dashboard to know which bike and which package would be beneficial. | I can access my dashboard | High | Sprint 1 |

➤ Solution Architecture



PROJECT PLANNING & SCHEDULING

➤ Technical Architecture



➤ Sprint Planning & Estimation

| SPRINT | FUNCTIONAL REQUIREMENT | USER STORY NUMBER | STORY POINTS | PRIORITY |
|----------|--------------------------------------------------|-------------------|--------------|----------|
| SPRINT 1 | Project initiation and Data Collection | US001, US002 | 8, 5 | High |
| SPRINT 2 | Data Cleaning and Initial Analysis | US003, US004 | 8, 5 | High |
| SPRINT 3 | User Persona Development and Feature Engineering | US005, US006 | 8, 5 | Medium |
| SPRINT 4 | Predictive Model Development | US007, US008 | 13, 8 | High |
| SPRINT 5 | Model Testing and Dashboard Prototype | US009, US010 | 13, 8 | Medium |
| SPRINT 6 | Recommendation System and Final Testing | US011, US012 | 13, 8 | High |

➤ Sprint Delivery Schedule

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date | Story Points Completed | Sprint Release Date |
|----------|--------------------|----------|-------------------|-----------------|------------------------|---------------------|
| Sprint 1 | 20 | 2 Days | 11 Oct 2023 | 13 Oct 2023 | 20 | 13 Oct 2023 |
| Sprint 2 | 20 | 2 Days | 14 Oct 2023 | 16 Oct 2023 | 20 | 16 Oct 2023 |
| Sprint 3 | 20 | 1 Days | 17 Oct 2023 | 18 Oct 2023 | 20 | 18 Oct 2023 |
| Sprint 4 | 20 | 4 Days | 19 Oct 2023 | 23 Oct 2023 | 20 | 23 Oct 2023 |
| Sprint 5 | 20 | 4 Days | 27 Oct 2023 | 31 Oct 2023 | | |
| Sprint 6 | 20 | 4 Days | 1 Nov 2023 | 5 Nov 2023 | | |

Average Velocity = *Sprint duration / velocity*

$$= 17/20 = 0.85$$

CODING & SOLUTIONING (Explain the features added in the project along with code)

➤ Home Page

```

40
41 <!-- ===== Header ===== -->
42 <header id="header" class="fixed-top">
43 <div class="container d-flex align-items-center justify-content-between">
44
45 <h1 class="logo"><a href="index.html">Ford GoBike</a></h1>
46 <!-- Uncomment below if you prefer to use an image logo -->
47 <!-- <a href="index.html" class="logo"></a>-->
48
49 <nav id="navbar" class="navbar">
50 <ul>
51 <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
52 <li><a class="nav-link scrollto" href="#about">DashBoard</a></li>
53 <li><a class="nav-link scrollto" href="#services">Story</a></li>
54 <li><a class="nav-link scrollto" href="#team">Team Members</a></li>
55
56 </ul>
57 </div>
58 </header><!-- End Header -->
59
60 <!-- ===== Home page Section ===== -->
61 <section id="hero" class="d-flex align-items-center">
62
63 <div class="container d-flex flex-column align-items-center justify-content-center" data-aos="fade-up">
64 <h1>Ford GoBike Analysis</h1>
65 <h2>Ford GoBike was a bike-sharing program that operated in the San Francisco Bay Area from 2013 to 2020. It was a collaboration be
66 </h2>
67
68 
70
71 </section><!-- End Home page Section -->
72
73 <main id="main">
74
75 <!-- ===== DashBoard Section ===== -->

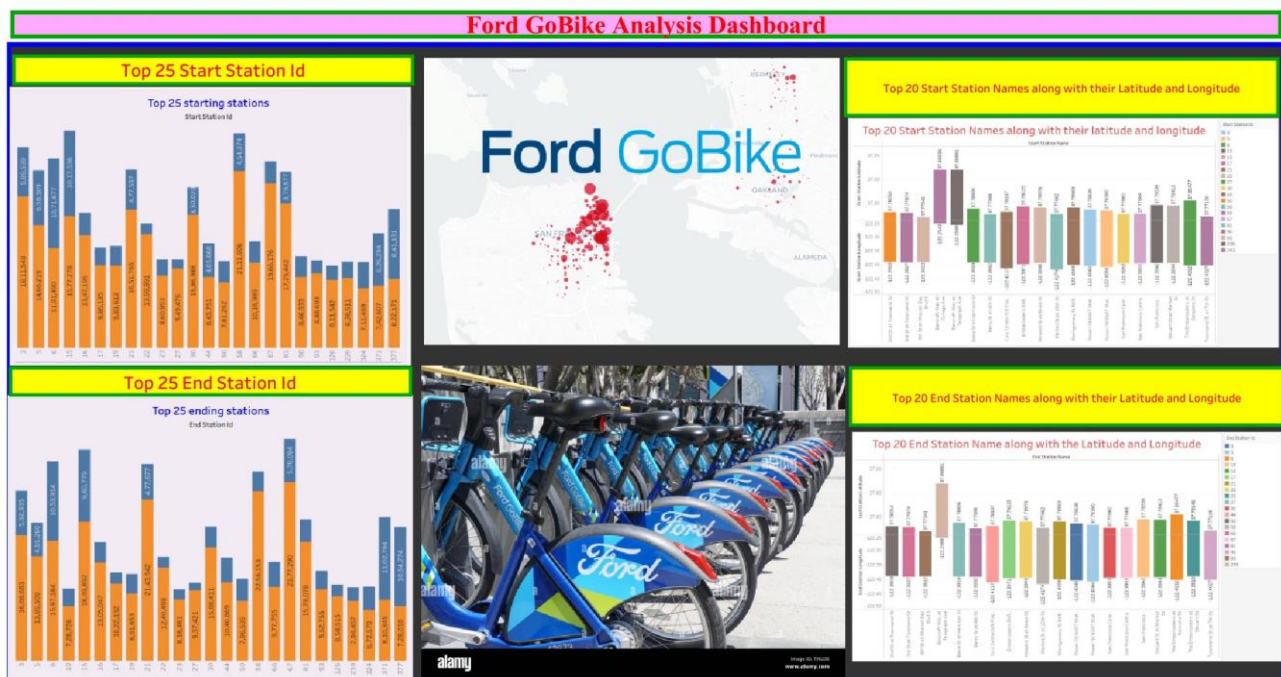
```

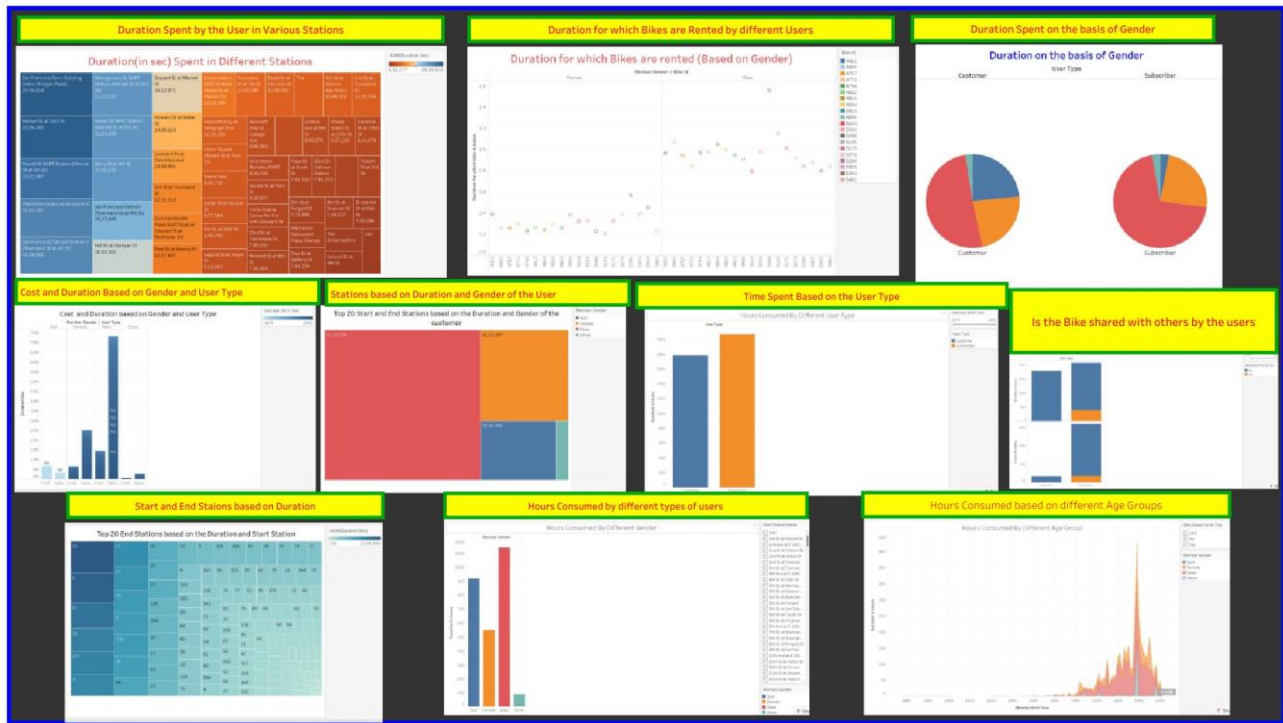
➤ Feature 1 (DashBoard) :

```

73 <main id='main">
74
75 <!-- ===== DashBoard Section ===== -->
76 <section id="about" class="about">
77   <div class="container">
78
79     <h2 data-aos="fade-up" style="text-align: center; font-weight: bold; font-family: 'Arial', sans-serif; font-size: 40px; color: #007bff;">Ford GoBike Analysis Dashboard
80
81
82
83     <div class='tableauPlaceholder' id='viz1699198207784' style='position: relative;'><noscript><a href="#"><img alt='Ford GoBike Analysis Dashboard 1' src='https://public.tableau.com/views/FordGoBikeAnalysisDashboard1:1699198207784:1?&_st=1699198207784'>
84     <div class='tableauPlaceholder' id='viz1699198242552' style='position: relative;'><noscript><a href="#"><img alt='Dashboard 2' src='https://public.tableau.com/views/FordGoBikeAnalysisDashboard2:1699198242552:1?&_st=1699198242552'>
85
86
87   </div>
88 </section><!-- End DashBoard Section -->
89
90

```



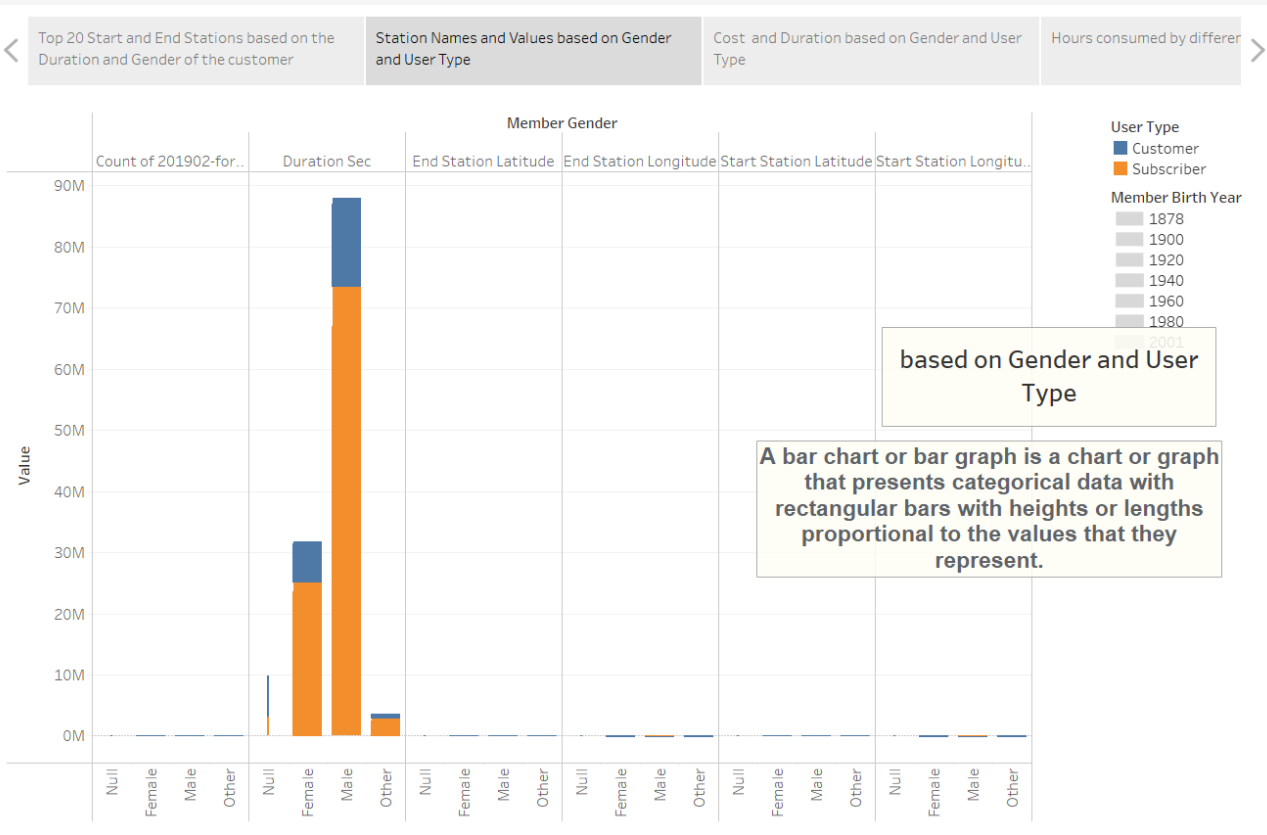
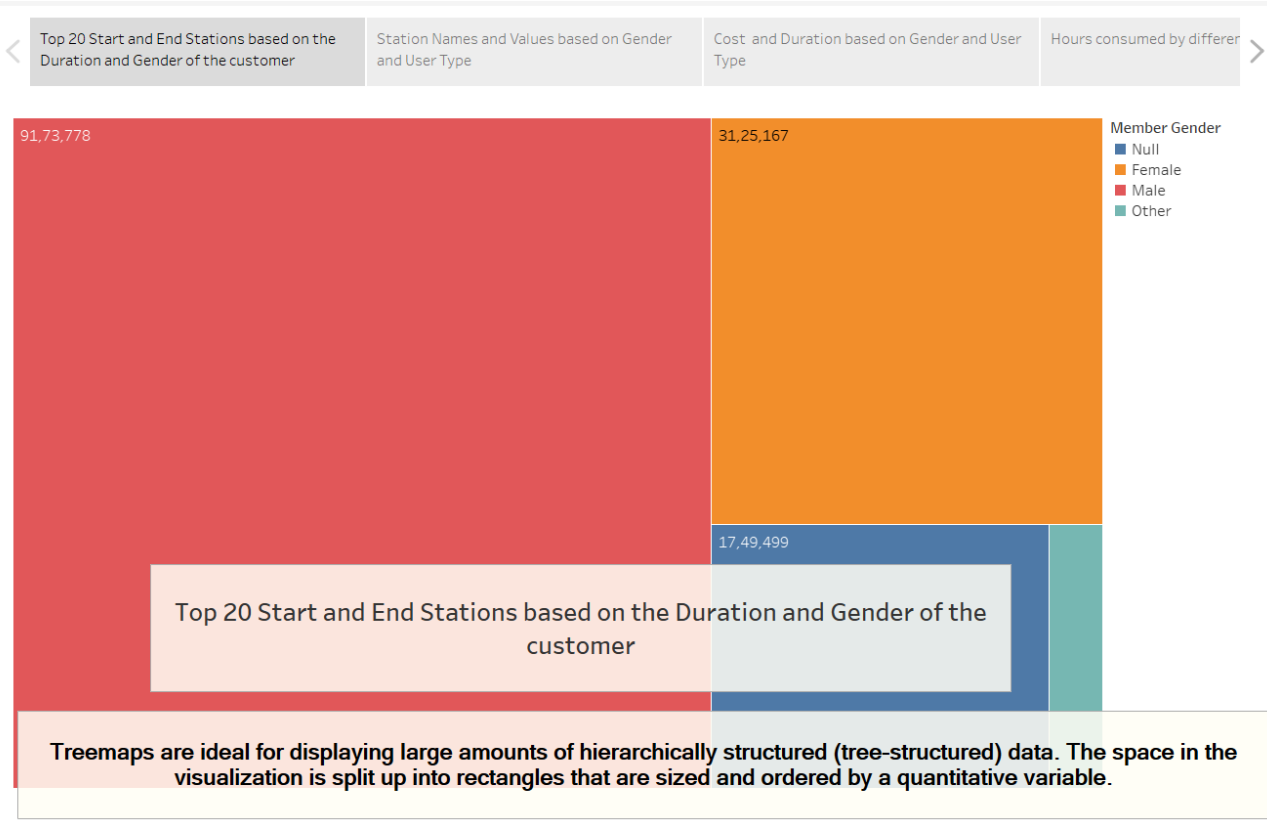


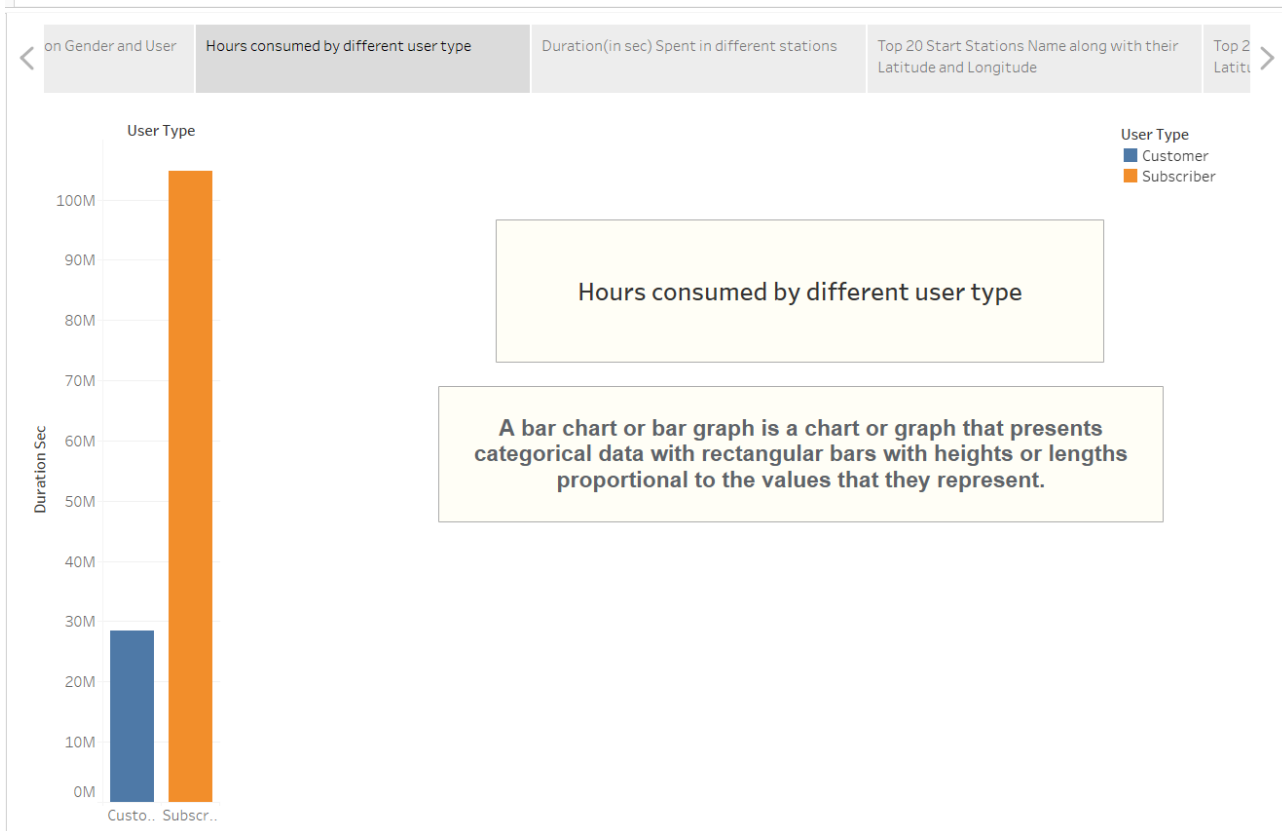
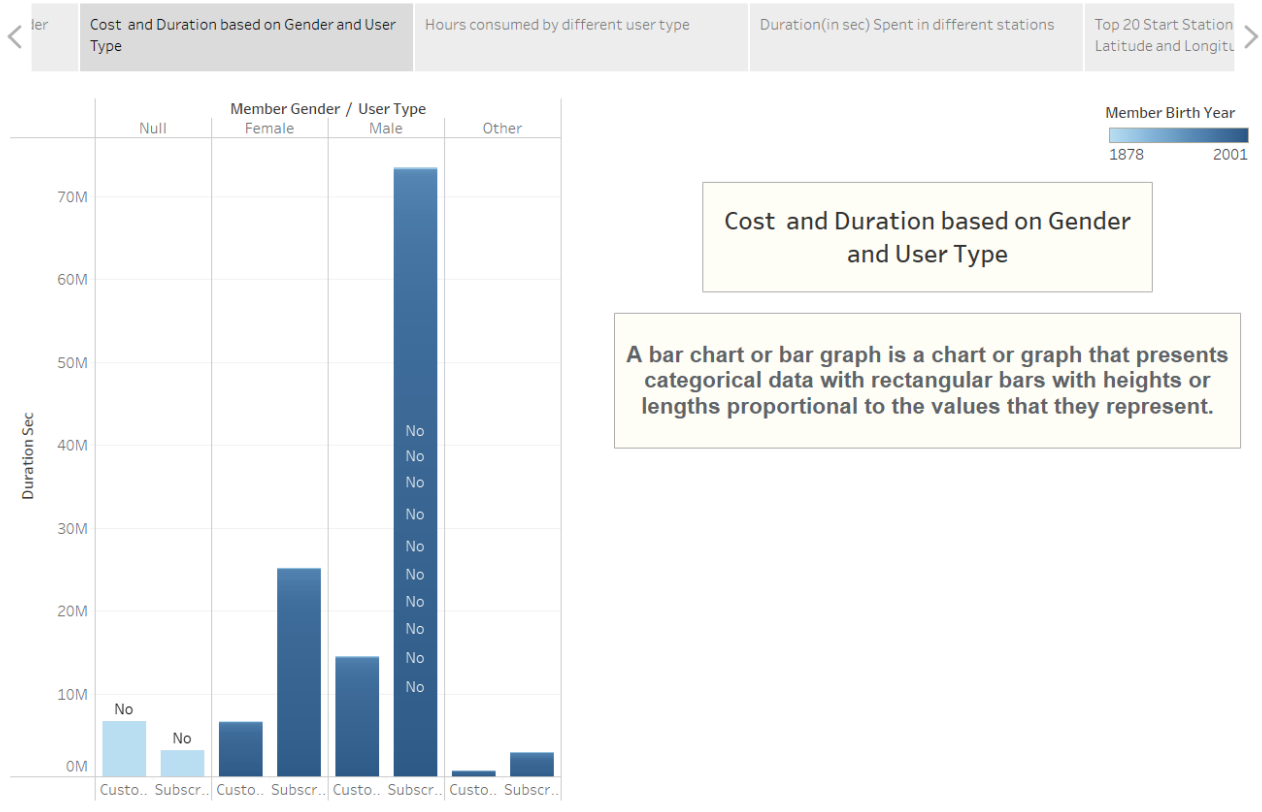
➤ Feature 2 (Story):

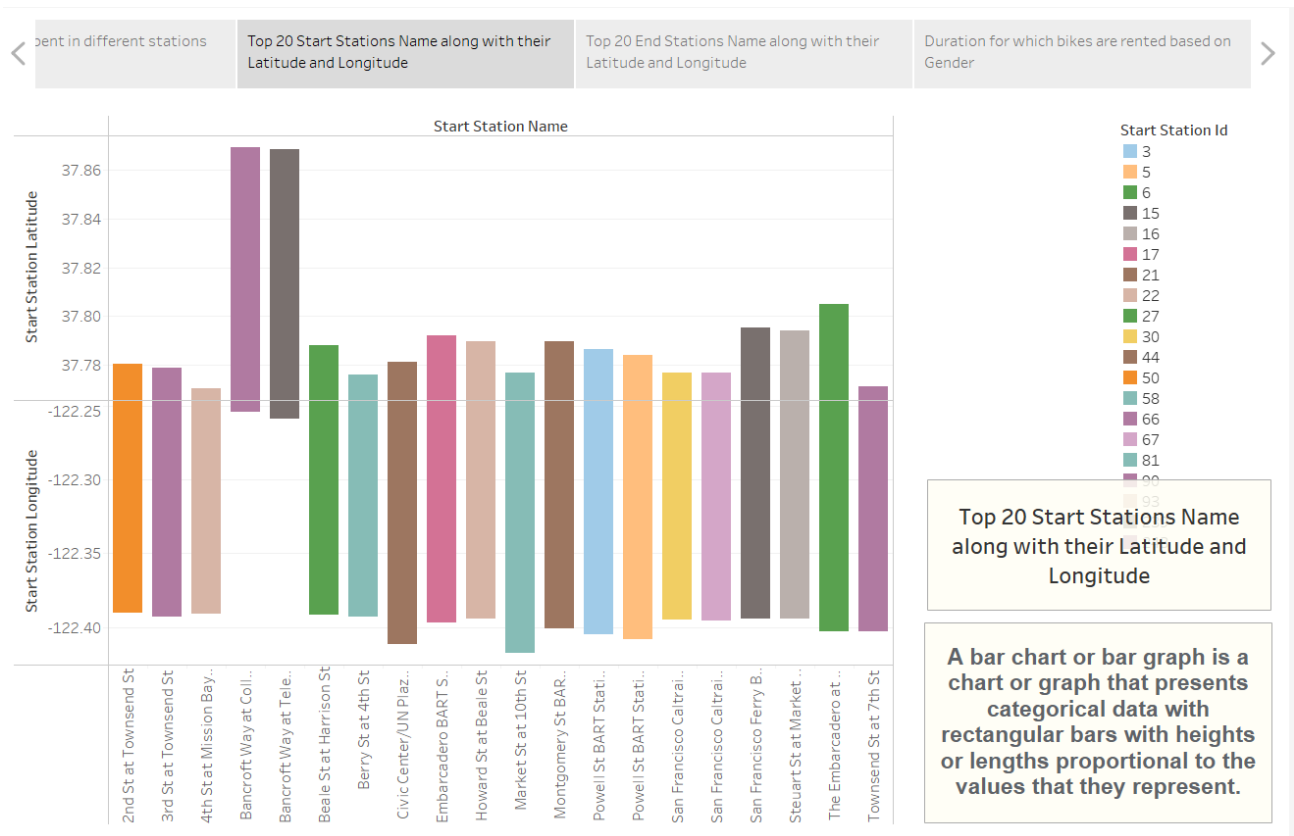
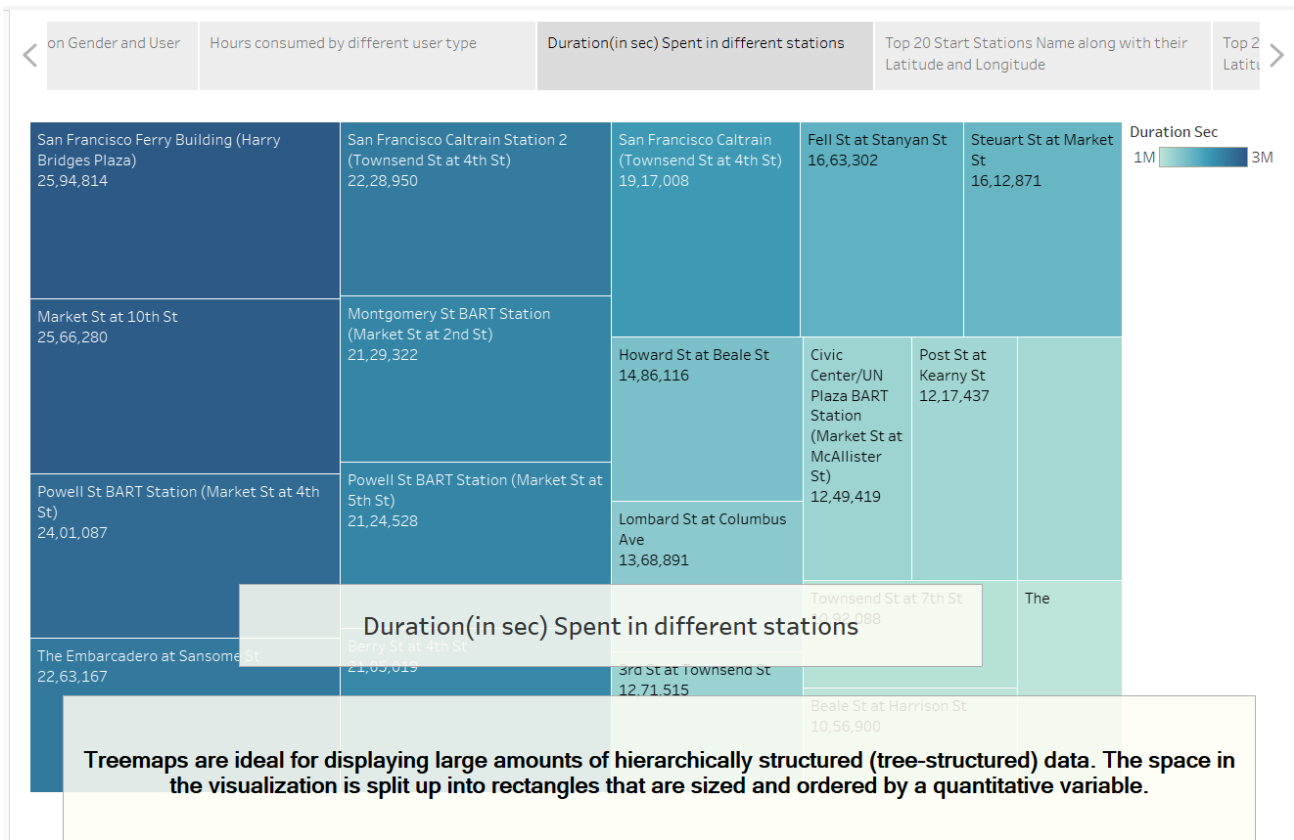
```

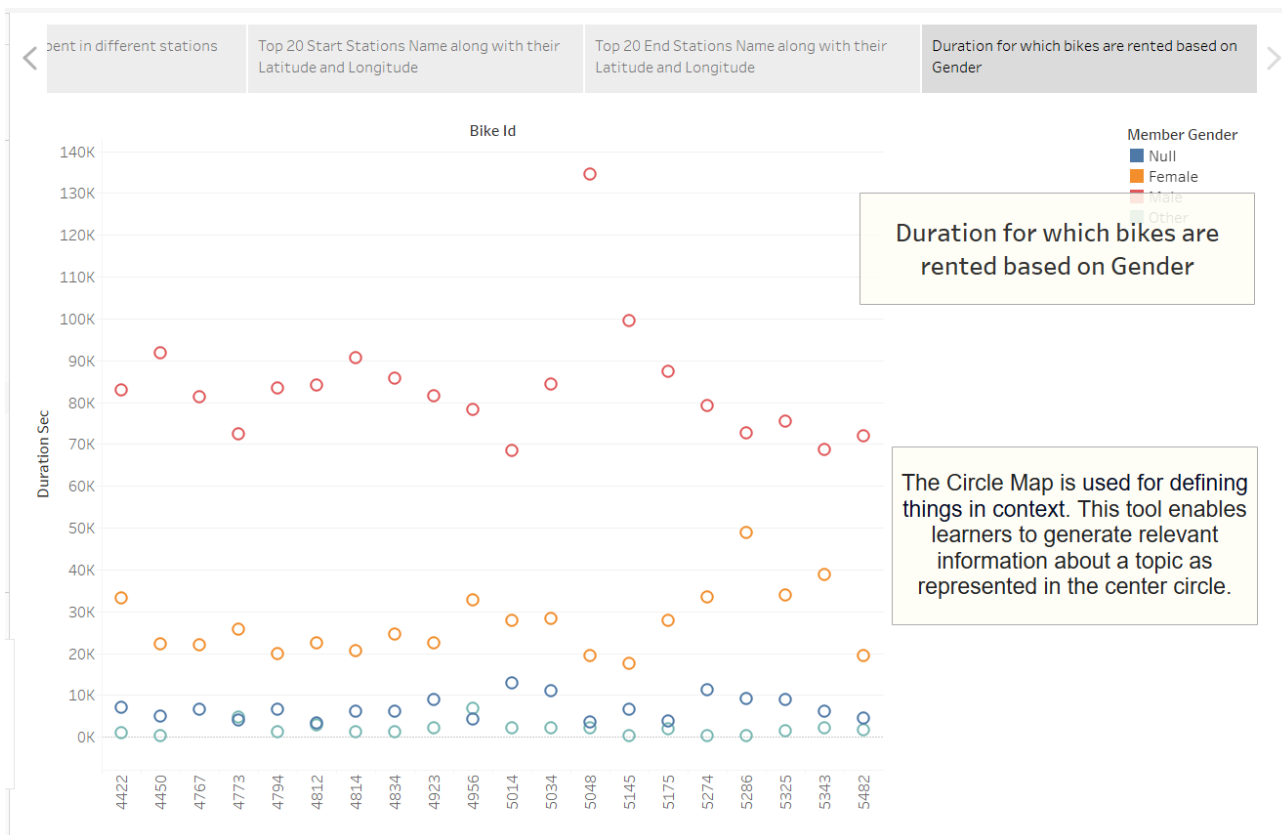
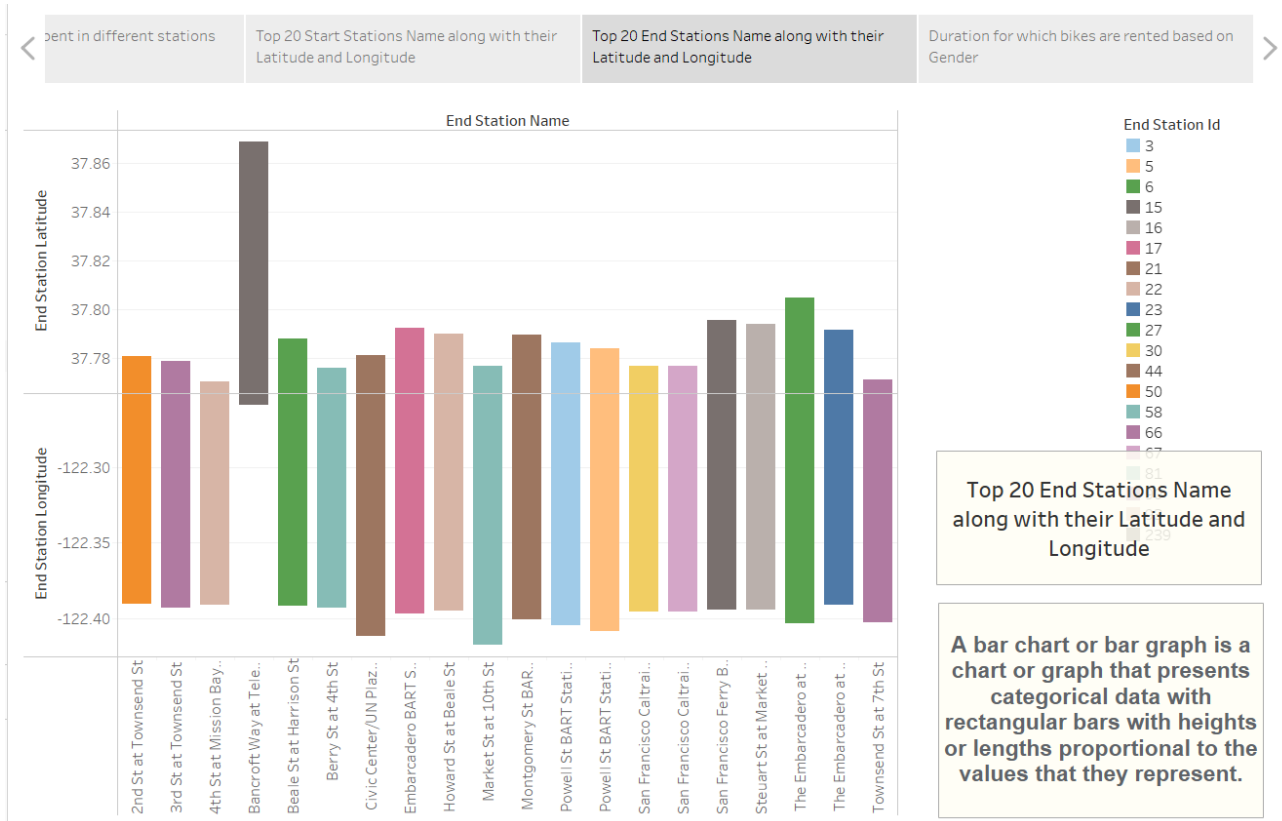
89
90
91 <!-- ===== Story Section ===== -->
92 <section id="services" class="services">
93   <div class="container" data-aos="fade-up">
94     <h2 data-aos="fade-up" style="text-align: center; font-weight: bold; font-family: 'Arial', sans-serif; font-size: 40px; color: #000080;">Services</h2>
95     <div class="tableauPlaceholder" id="viz1699198856014" style="position: relative"><noscript><a href="#">
104   <div class="container" data-aos="fade-up">
105     <div class="section-title">
106

```









➤ Database Schema (if Applicable)



We connected the Data Set directly to the Tableau App, therefore we didn't use any database.

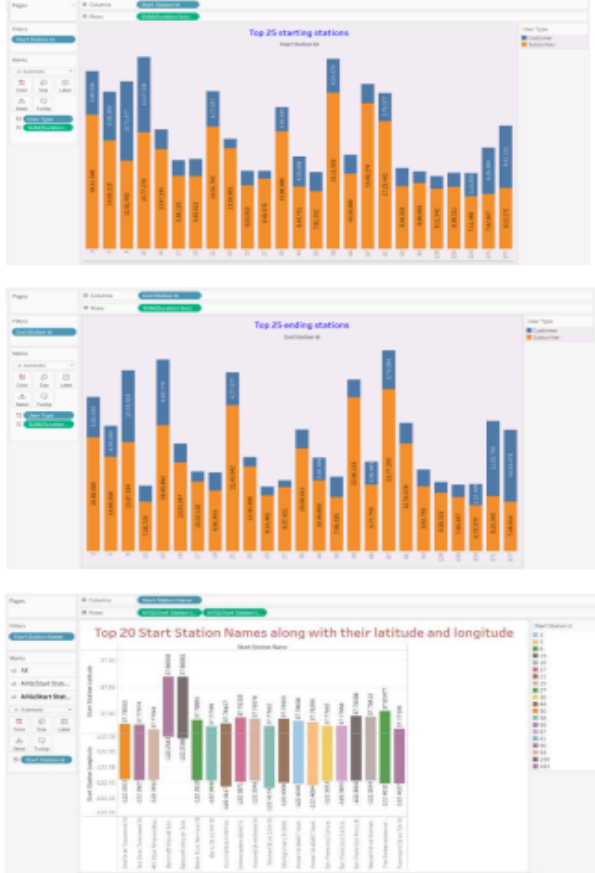
PERFORMANCE TESTING

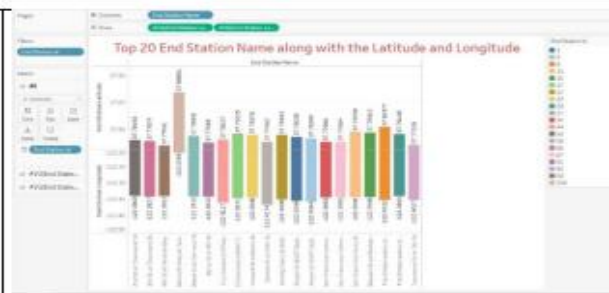
➤ Performace Metrics

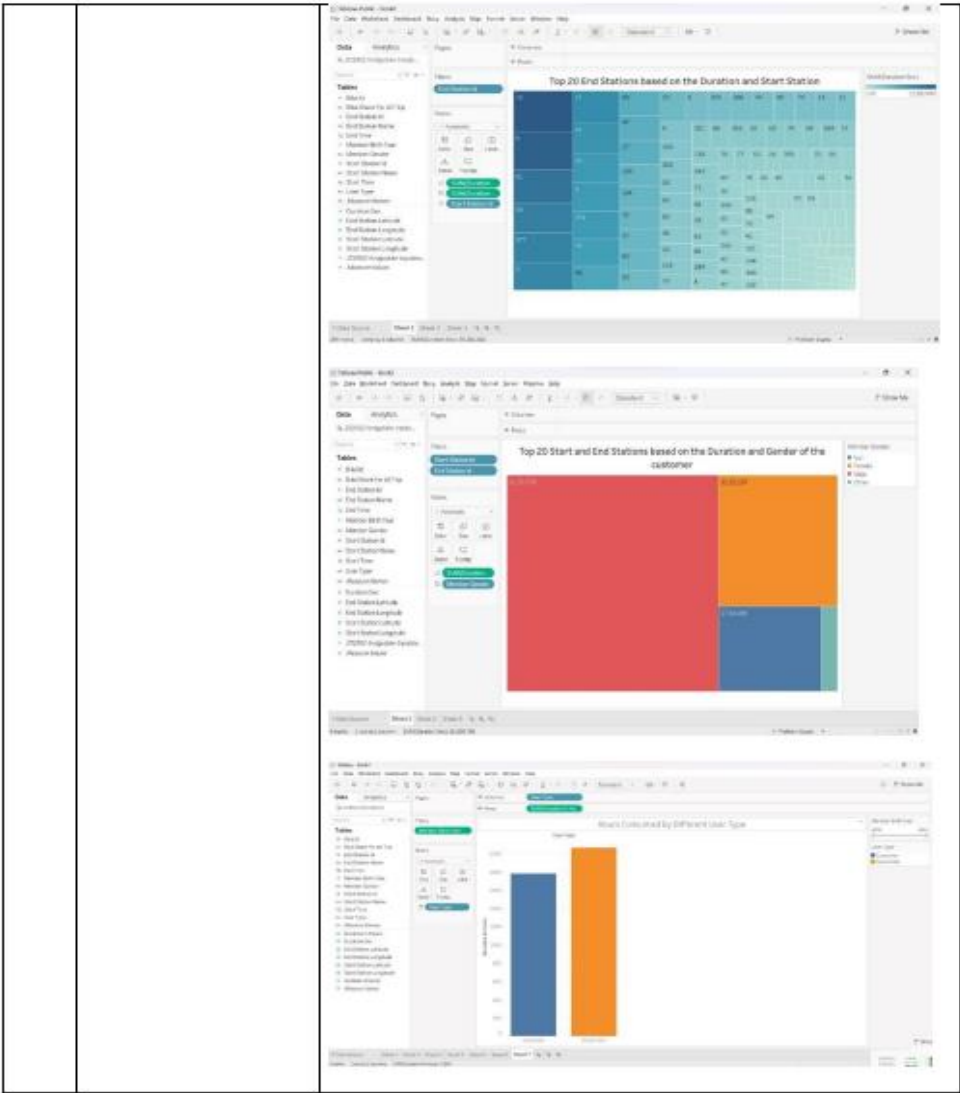
Model Performance Testing:

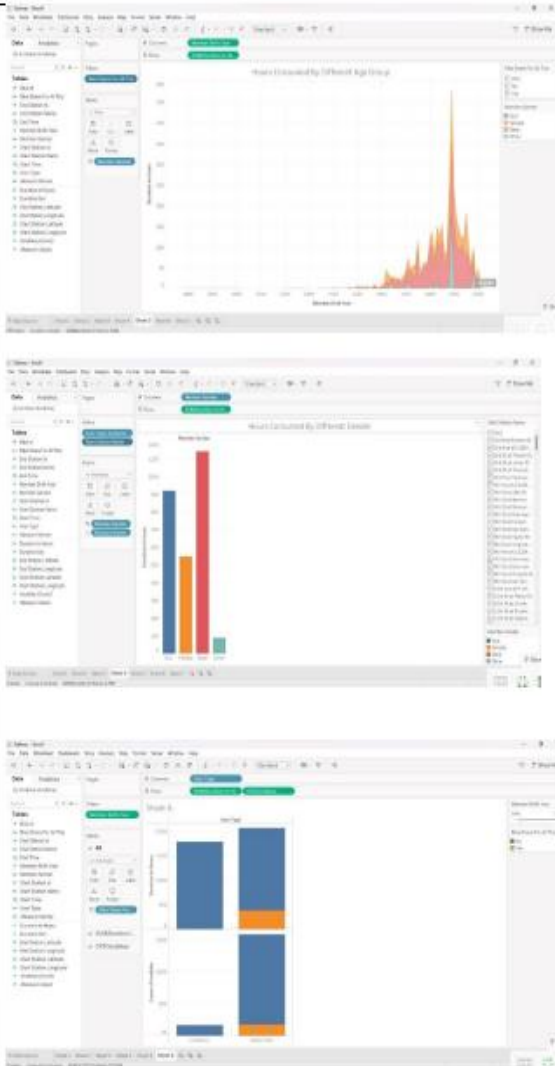
Project team shall fill the following information in model performance testing template.

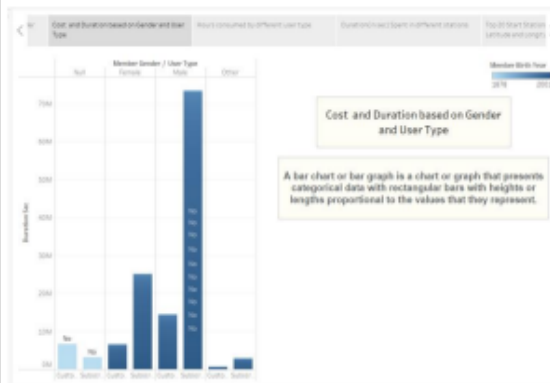
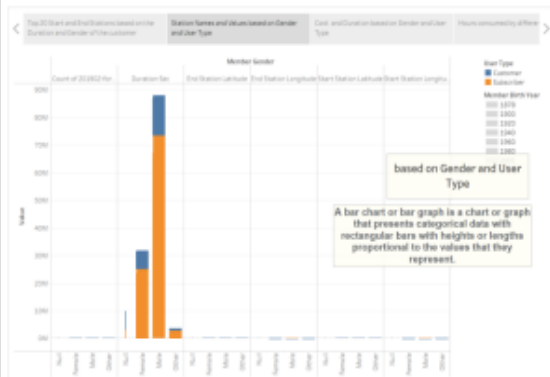
| S.No. | Parameter | Screenshot / Values |
|-------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Dashboard design | <div><div>DashBoard 1- 4 DashBoard 2- 10</div><div></div><div></div></div> |
| 2. | Data Responsiveness | <p>Data responsiveness in the context of Ford GoBike refers to the system's ability to handle user requests and update information in real-time. It includes providing accurate, up-to-date information on bike availability at docking stations, processing transactions and reservations promptly and accurately, updating GPS-tracked bike locations in real-time, managing user accounts instantly, and</p> |

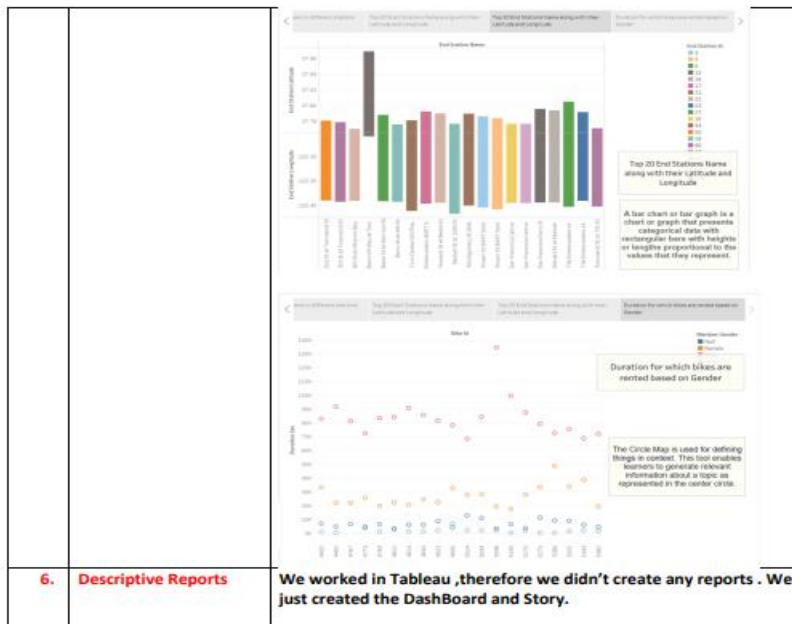
| | | |
|----|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <p>sending notifications promptly. Ensuring data responsiveness is vital for a seamless user experience, allowing efficient bike location, rental, and return processes and fostering trust in the bike-sharing service.</p> |
| 3. | Amount Data to Rendered (DB2 Metrics) | <p>We Downloaded the Data Set and connected it directly with Tableau without linking it with MySQL database.</p> |
| 4. | Utilization of Data Filters | <p>DashBoard 1- 4 DashBoard 2- 11</p>  <p>The first dashboard, titled 'Top 25 starting stations', is a stacked bar chart showing the number of bikes rented from the top 25 starting stations. The y-axis represents the count, ranging from 0 to 100,000. The x-axis lists the top 25 starting stations. The legend indicates that blue bars represent 'Customer' and orange bars represent 'Subscriber'. The second dashboard, titled 'Top 25 ending stations', is a similar stacked bar chart showing the number of bikes returned to the top 25 ending stations. The third dashboard, titled 'Top 20 Start Station Names along with their latitude and longitude', is a horizontal bar chart showing the top 20 start station names, their latitude, and longitude. The y-axis represents the station name, and the x-axis represents the latitude and longitude. The legend indicates that blue bars represent 'Customer' and orange bars represent 'Subscriber'.</p> |





| | | |
|----|----------------------|------------------------------------------------------------------------------------------------|
| | | <div></div> |
| 5. | Effective User Story | Number of Scenes – 8 |





6. Descriptive Reports

We worked in Tableau ,therefore we didn't create any reports . We just created the DashBoard and Story.

RESULTS

➤ Output Screenshots

Ford GoBike

[Home](#) [DashBoard](#) [Story](#) [Team Members](#)

Ford GoBike Analysis

Ford GoBike was a bike-sharing program that operated in the San Francisco Bay Area from 2013 to 2020. It was a collaboration between Motivate, a bike-sharing company, and Ford Motor Company. The program aimed to provide an affordable and convenient transportation option for residents and visitors in the Bay Area. Ford GoBike offered a fleet of bicycles stationed at various docking stations throughout San Francisco, East Bay, and San Jose. Users could rent bikes on a short-term basis by purchasing a membership or using a credit card at the docking station. The bikes were equipped with GPS tracking, allowing users to locate and reserve bikes through a mobile app or at the docking station itself.



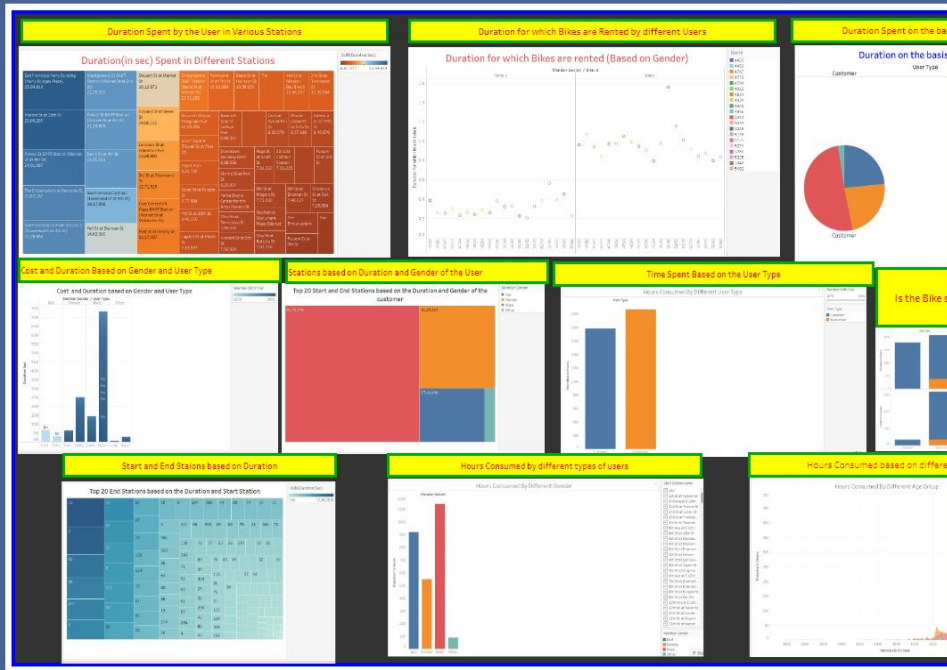
Ford GoBike

Home **DashBoard** Story Team Members

DashBoard

Ford GoBike Analysis Dashboard





Story

Story 1



Top 20 Start and End Stations based on the Duration and Gender of the customer

Treemaps are ideal for displaying large amounts of hierarchically structured (tree-structured) data. The space in the visualization is split up into rectangles that are sized and ordered by a quantitative variable.

Team Members

If everyone is moving forward together, then success takes care of itself. - Henry Ford



Preeti Modi
Team Member



Abhishek Kumar
Team Member



Aastha Tiwary
Team Leader



Useful Links

- [Home](#)
- [DashBoard](#)
- [Story](#)
- [Team](#)

Our Services

- [Data Analysis](#)
- [Data Visualization](#)
- [DashBoard Creation](#)
- [Story Creation](#)

ADVANTAGES & DISADVANTAGES

➤ Advantages of Ford GoBike:

Affordable Transportation: Ford GoBike provided an affordable transportation option for residents and visitors, especially for short trips, making it cost-effective compared to owning a personal bike or using other modes of transport.

Convenience: The program offered convenience by placing bikes at various docking stations throughout major areas, allowing users to easily access and return bikes without the hassle of maintenance or storage.

Eco-Friendly: Encouraging bike usage contributed to reducing the carbon footprint, promoting a more environmentally friendly mode of transportation and mitigating traffic congestion.

Health Benefits: Encouraged physical activity and a healthier lifestyle, as users engaged in cycling, improving cardiovascular health and overall fitness.

Technology Integration: The integration of GPS tracking and a mobile app enhanced user experience, allowing users to find and reserve bikes easily, making the system

efficient and user-friendly.

➤ **Disadvantages of Ford GoBike:**

Limited Coverage: The availability of docking stations might have been limited in certain areas, limiting accessibility for residents who lived outside the service area.

Weather Dependency: Inclement weather conditions could deter users from utilizing the bikes, reducing the service's reliability, especially during rainy or extremely hot days.

Maintenance Challenges: The bikes required regular maintenance to ensure they were in good working condition. Malfunctions or damaged bikes could inconvenience users and require swift repair or replacement.

Safety Concerns: Biking in urban environments poses certain safety risks, including accidents with vehicles or pedestrians. Ensuring the safety of users was a challenge for the program.

Competition with Other Transportation Modes: Ford GoBike faced competition from other transportation services such as ride-sharing apps and public transit systems, which could impact its user base.

Limited Rental Time: Short-term rental periods might not have been sufficient for some users, especially if they needed the bike for extended periods, leading to additional charges for exceeding the rental time limit.

CONCLUSION

In conclusion, Ford GoBike, a collaborative effort between Motivate and Ford Motor Company, provided a notable solution to the transportation needs of residents and visitors in the San Francisco Bay Area from 2013 to 2020. By offering an affordable and convenient bike-sharing program, it aimed to reduce traffic congestion, promote eco-friendly transportation, and improve accessibility for short trips. The fleet of GPS-equipped bicycles, strategically stationed at various docking stations in key areas, allowed users to rent bikes on a short-term basis, enhancing mobility options. The integration of GPS tracking technology and a user-friendly mobile app streamlined the rental process, making it efficient and convenient for users to locate, reserve, and return bikes.

However, challenges such as limited coverage, weather dependency, maintenance issues, and competition with other transportation modes were notable aspects of the program. Despite these challenges, Ford GoBike played a significant role in encouraging bike usage, promoting a healthier lifestyle, and contributing to the overall

efforts aimed at creating a more sustainable urban transportation system in the Bay Area during its operational years.

FUTURE SCOPE

While Ford GoBike ceased its operations in 2020, the concept of bike-sharing programs continues to evolve, presenting several potential future opportunities and improvements:

- 1. Expansion and Integration:** Future bike-sharing programs could expand their coverage to reach more neighborhoods, ensuring a wider accessibility for residents. Integration with existing public transportation systems, such as buses and trains, could provide seamless multi-modal transportation options.
- 2. Electric Bikes and Scooters:** Integrating electric bikes and scooters into bike-sharing fleets can enhance user experience, making it easier for people to cover longer distances and navigate hilly terrain.
- 3. Smart Technology:** Continued advancements in smart technology, including IoT devices and sensors, can improve bike tracking, maintenance, and user experience. Smart locks, for instance, could enable users to lock and unlock bikes using their smartphones.
- 4. Partnerships with Businesses and Institutions:** Collaborations with businesses, universities, and large institutions can lead to bike-sharing programs tailored to specific communities. Corporate partnerships could offer employees incentives to use bike-sharing as a commuting option.
- 5. Promotion of Safety:** Future programs may focus on enhancing safety measures, such as providing helmets, implementing bike lanes and dedicated paths, and promoting awareness campaigns to ensure safe riding practices.
- 6. Data Utilization:** Utilizing data analytics can help optimize bike placement, predict user demand, and improve overall operational efficiency. Insights from user data can also inform urban planning and transportation policies.
- 7. Environmental Sustainability:** Emphasizing eco-friendly practices, such as using renewable energy sources for charging stations and implementing green initiatives, aligns bike-sharing programs with broader environmental goals.
- 8. User Education and Engagement:** Educating users about the benefits of bike-sharing, safety guidelines, and the environmental impact of using bikes can encourage more people to participate. Engaging the community through events and promotions can also boost program visibility and usage.

9. Inclusivity: Ensuring inclusivity for all community members, including individuals with disabilities, by providing adaptive bikes or alternative transportation options tailored to specific needs.

10. Public-Private Partnerships: Collaborations between local governments, private companies, and non-profit organizations can create sustainable funding models, ensuring the long-term viability of bike-sharing programs.

APPENDIX

➤ Source Code

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Bikin Bootstrap Template - Index</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="static/assets/img/favicon.png" rel="icon">
  <link href="static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Krub:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="static/assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
  <link href="static/assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="static/assets/css/style.css" rel="stylesheet">

  <!-- =====
  * Template Name: Bikin
  * Updated: Sep 18 2023 with Bootstrap v5.3.2
  * Template URL: https://bootstrapmade.com/bikin-free-simple-landing-page-template/
  * Author: BootstrapMade.com
  * License: https://bootstrapmade.com/license/
  ===== -->
</head>
```

<body>

<!-- ===== Header ===== -->

<header id="header" class="fixed-top">

<div class="container d-flex align-items-center justify-content-between">

<h1 class="logo">Ford GoBike</h1>

<!-- Uncomment below if you prefer to use an image logo -->

<!-- -->

<nav id="navbar" class="navbar">

Home

DashBoard

Story

Team Members

</div>

</header><!-- End Header -->

<!-- ===== Home page Section ===== -->

<section id="hero" class="d-flex align-items-center">

<div class="container d-flex flex-column align-items-center justify-content-center" data-aos="fade-up">

<h1>Ford GoBike Analysis</h1>

<h2>Ford GoBike was a bike-sharing program that operated in the San Francisco Bay Area from 2013 to 2020. It was a collaboration between Motivate, a bike-sharing company, and Ford Motor Company. The program aimed to provide an affordable and convenient transportation option for residents and visitors in the Bay Area. Ford GoBike offered a fleet of bicycles stationed at various docking stations throughout San Francisco, East Bay, and San Jose. Users could rent bikes on a short-term basis by purchasing a membership or using a credit card at the docking station. The bikes were equipped with GPS tracking, allowing users to locate and reserve bikes through a mobile app or at the docking station itself.

</h2>

</div>

</section><!-- End Home page Section -->

<main id="main">

<!-- ===== DashBoard Section ===== -->

<section id="about" class="about">

<div class="container">

<h2 data-aos="fade-up" style="text-align: center; font-weight: bold; font-family: 'Arial', sans-serif; font-size: 40px; color: #5100ff; background-color: #f9f9f9; padding: 20px; border-radius: 10px;">DashBoard</h2>

<div class='tableauPlaceholder' id='viz1699198207784' style='position: relative'><noscript></noscript><object class='tableauViz' style='display:none;'><param


```

name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' />
<param name='site_root' value='' /><param name='name' value='FordGoBikeAanlysisProject&#47;Dashboard1'
/><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Fo&#47;FordGoBikeAanlysisProject&#47;D
ashboard1&#47;1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param name='language' value='en-US' /></object></div>      <script
type='text/javascript'>          var divElement = document.getElementById('viz1699198207784');          var
vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='1300px';vizElement.style.height='877px';          var scriptElement =
document.createElement('script');          scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);          </script>

<div class='tableauPlaceholder' id='viz1699198242552' style='position: relative'><noscript><a href='#'><img
alt='Dashboard 2 '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Fo&#47;FordGoBikeAanlysisProjectDashboard
&#47;Dashboard2&#47;1_rss.png' style='border: none' /></a></noscript><object class='tableauViz'
style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param
name='embed_code_version' value='3' /> <param name='site_root' value='' /><param name='name'
value='FordGoBikeAanlysisProjectDashboard&#47;Dashboard2' /><param name='tabs' value='no' /><param
name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Fo&#47;FordGoBikeAanlysisProjectDashboa
rd&#47;Dashboard2&#47;1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param name='language' value='en-US' /></object></div>      <script
type='text/javascript'>          var divElement = document.getElementById('viz1699198242552');          var
vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='1300px';vizElement.style.height='877px';          var scriptElement =
document.createElement('script');          scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);          </script>

```

</div>

</section><!-- End DashBoard Section -->

<!-- ===== Story Section ===== -->

<section id="services" class="services">

<div class="container" data-aos="fade-up">

<h2 data-aos="fade-up" style="text-align: center; font-weight: bold; font-family: 'Arial', sans-serif; font-size: 40px; color: #5100ff; background-color: #f9f9f9; padding: 20px; border-radius: 20px;">Story</h2>

```

<div class='tableauPlaceholder' id='viz1699198856014' style='position: relative'><noscript><a href='#'><img alt=' '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Fo&#47;FordGoBikeAnalysisProjectStory&#47
;Story1&#47;1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param
name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' />
<param name='site_root' value='' /><param name='name' value='FordGoBikeAnalysisProjectStory&#47;Story1'
/><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Fo&#47;FordGoBikeAnalysisProjectStory&#
47;Story1&#47;1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param name='language' value='en-US' /></object></div>      <script
type='text/javascript'>          var divElement = document.getElementById('viz1699198856014');          var
vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='1316px';vizElement.style.height='1291px';          var scriptElement =
document.createElement('script');          scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);          </script>

```

```

</div>
</section><!-- End Story Section -->

<!-- ===== Team Members Section ===== -->
<section id="testimonials" class="testimonials section-bg">
  <div class="container" data-aos="fade-up">

    <div class="section-title">
      <h2 data-aos="fade-up" style="text-align: center; font-weight: bold; font-family: 'Arial', sans-serif; font-size: 40px; color: #5100ff; background-color: #f9f9f9; padding: 20px; border-radius: 10px;">Team Members</h2>
      <p>If everyone is moving forward together, then success takes care of itself. - Henry Ford</p>
    </div>

    <div class="testimonials-slider swiper" data-aos="fade-up" data-aos-delay="100">
      <div class="swiper-wrapper">

        <div class="swiper-slide">
          <div class="testimonial-item">
            <p>
              <i class="bx bxs-quote-alt-left quote-icon-left"></i>

              <i class="bx bxs-quote-alt-right quote-icon-right"></i>
            </p>
            
            <h3>Aastha Tiwary</h3>
            <h4>Team Leader</h4>
          </div>
        </div><!-- End First Team Member -->

        <div class="swiper-slide">
          <div class="testimonial-item">
            <p>
              <i class="bx bxs-quote-alt-left quote-icon-left"></i>

              <i class="bx bxs-quote-alt-right quote-icon-right"></i>
            </p>
            
            <h3>Ayushi Gupta</h3>
            <h4>Team Member</h4>
          </div>
        </div><!-- End Second Team Member item -->

        <div class="swiper-slide">
          <div class="testimonial-item">
            <p>
              <i class="bx bxs-quote-alt-left quote-icon-left"></i>

              <i class="bx bxs-quote-alt-right quote-icon-right"></i>
            </p>
            
    <h3>Preeti Modi</h3>
    <h4>Team Member</h4>
</div>
</div><!-- End Third Team Member item -->

<div class="swiper-slide">
    <div class="testimonial-item">
        <p>
            <i class="bx bxs-quote-alt-left quote-icon-left"></i>

            <i class="bx bxs-quote-alt-right quote-icon-right"></i>
        </p>
        
        <h3>Abhishek Kumar</h3>
        <h4>Team Member</h4>
    </div>
</div><!-- End Fourth Team Member item -->

</div>
<div class="swiper-pagination"></div>
</div>

</div>
</section><!-- End Team Members Section -->

</main><!-- End #main -->

<!-- ===== Footer ===== -->
<footer id="footer">

    <div class="footer-top">
        <div class="container">
            <div class="row">

                <div class="col-lg-2 col-md-6 footer-links">
                    <h4>Useful Links</h4>
                    <ul>
                        <li><i class="bx bx-chevron-right"></i> <a href="#">Home</a></li>
                        <li><i class="bx bx-chevron-right"></i> <a href="#">DashBoard</a></li>
                        <li><i class="bx bx-chevron-right"></i> <a href="#">Story</a></li>
                        <li><i class="bx bx-chevron-right"></i> <a href="#">Team</a></li>
                    </ul>
                </div>

                <div class="col-lg-3 col-md-6 footer-links">
                    <h4>Our Services</h4>
                    <ul>

```

```
<li><i class="bx bx-chevron-right"></i> <a href="#">Data Analysis</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Data Visualization</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">DashBoard Creation</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Story Creation</a></li>
```

```
</ul>
</div>
```

```
</div>
</div>
</div>
```

```
<div class="container d-md-flex py-4">
```

```
<div class="me-md-auto text-center text-md-start">
```

```
<div class="copyright">
```

```
&copy; Copyright <strong><span>Ford GoBike</span></strong>. All Rights Reserved
```

```
</div>
```

```
<div class="credits">
```

```
<!-- All the links in the footer should remain intact. -->
```

```
<!-- You can delete the links only if you purchased the pro version. -->
```

```
<!-- Licensing information: https://bootstrapmade.com/license/ -->
```

```
<!-- Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.com/bikin-free-simple-landing-page-template/ -->
```

```
Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer><!-- End Footer -->
```

```
<div id="preloader"></div>
```

```
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-arrow-up-short"></i></a>
```

```
<!-- Vendor JS Files -->
```

```
<script src="static/assets/vendor/aos/aos.js"></script>
```

```
<script src="static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
```

```
<script src="static/assets/vendor/glightbox/js/glightbox.min.js"></script>
```

```
<script src="static/assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
```

```
<script src="static/assets/vendor/swiper/swiper-bundle.min.js"></script>
```

```
<script src="static/assets/vendor/php-email-form/validate.js"></script>
```

```
<!-- Template Main JS File -->
```

```
<script src="static/assets/js/main.js"></script>
```

```
</body>
```

```
</html>
```

➤ **GitHub & Project Demo Link**

1) Empathy Map (Video)

<https://drive.google.com/file/d/1Ap2kBZNinK0JtdjztpWoJMkryltTd7dR/view?usp=sharing>

2) Brainstorming Map(Video)

<https://drive.google.com/file/d/1rpX3Ekr8ITvUgxpNGyNbpDB6WiocmUx6/view?usp=sharing>

3) Project Design Phase(Video)

https://drive.google.com/file/d/1e290FQkb4NvDqkdFCv6iC_D8SHDNjvHd/view?usp=sharing

4) Project Planning Phase(Video)

https://drive.google.com/file/d/1e290FQkb4NvDqkdFCv6iC_D8SHDNjvHd/view?usp=sharing

5) DashBoard(Video)

https://drive.google.com/file/d/1GPLRB_rZDewgk1bjiYl2jcekYDyRTxym/view?usp=sharing

6) Story(Video)

https://drive.google.com/file/d/1_ZSI4RrsWF7BfXxJONi6Q14SqivJHa9/view?usp=sharing

7) Web Page(Video)

https://drive.google.com/file/d/1M5LRi2_4pbHMKiUnwvDfzpwEMFadoKQ/view?usp=sharing

8) GitHub Link

<https://github.com/smartinternz02/SI-GuidedProject-587531-1697032807>