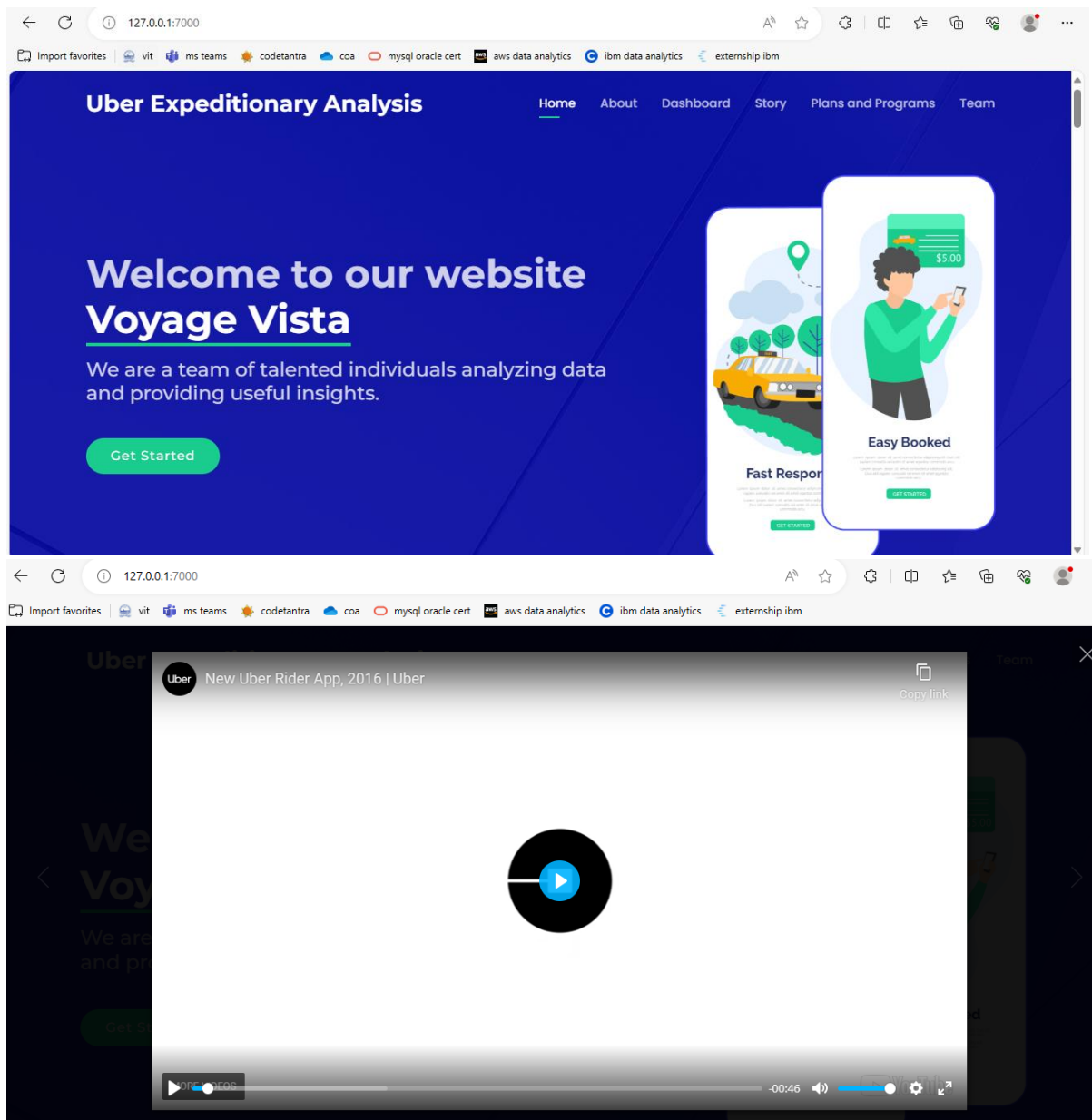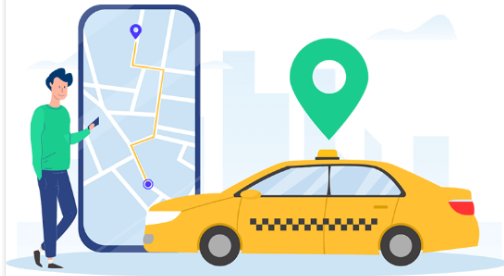# Sprint-4

Website

We've made the website using Bootstrap template, Python Flask and Visual Studio Code.

Uber's Data Driven Solutions

Uber is a global company providing ride hailing services, food delivery and freights transport that connects passengers through its mobile app. Currently one of the challenges the company is facing is to efficiently manage the peak-hour rush and ensure a smooth experience for both the passenger and the driver. In order to resolve this issue, we will analyze the Uber dataset to gain insights into variables affecting peak-hour demand. These insights can help to develop strategies to enhance the services, optimize driver incentives and improve the passeneger experience during times of increased demand.
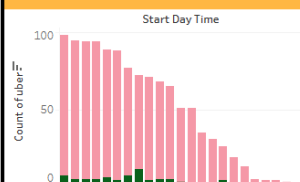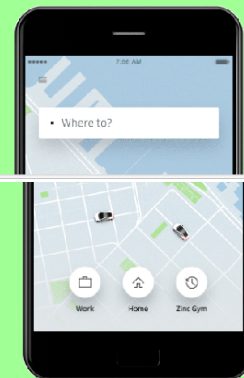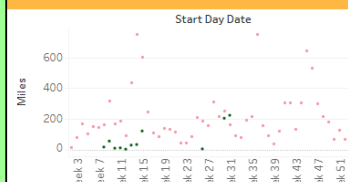
DASHBOARD

CHECK THE DASHBOARD

Voyage Vista Dashboard

Peak-hour Chart

Start Day Time

Category
- Business
- Personal

Weekwise Miles Covered

Start Day Date

March
April
May
June
July
August
September
October
November
December

February
November
March
October
April
September
May
August
June
July

Count of uber   1,155

Work   Home   Zinc Gym

Peak Days/Season Chart

Start Day Date

Q1   Q2   Q3   Q4

4 12 17 14 25 15 24 23 1 6 15 16 13 17 31 20 1 27 15 10 6 28 13 31 22 20 9 26 25 1 2 5
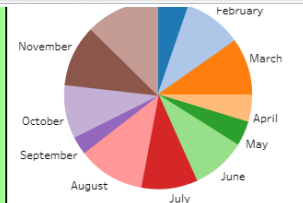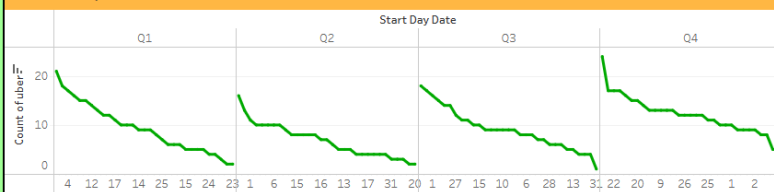
Next

STORY ———

CHECK THE STORY

Voyage Vista Story

Uber Exploratory Analysis	This is a bar chart representing the peak hour in which passengers book Uber rides. It can be seen that most people	This is a line chart representing the peak days in a month for booking Uber rides. It can be seen that most Uber ride	This is a pie chart representing the count of Uber rides booked in each day of the weekday. It can be seen that most	This is an area cha... count of Uber ride... quarter. Most Ube...

PLANS AND PROGRAMS ———

CHECK OUR PLANS AND PROGRAMS

Insights Gained

The dashboard and story help us gain various insights regarding Uber. Some of them are the following:

✓ Peak Uber ride booking hour is 15.00 -16.00 pm.

✓ Majority of the vehicles used during Uber ride belong to business category.

✓ The hottest pickup and drop point and Cary.

✓ Most people book an Uber ride for attending meetings.

✓ The average ride duration for Uber rides which are booked for the purpose of errands/supplies is the

Subscription Plans and Discounts

We can implement subscription plans and discounts where the customers can opt for a fixed fee in exchange of unlimited rides during peak hours or specific days offering a dual advantage. It not only guarantees availability of rides during high demand periods enhancing passenger experience but also establishes a reliable source of income for the service provider (driver). This approach encourages customer loyalty and consistent income contributing to a more stable business model.

Peak-Hour Driver Incentive Program

This program is designed to encourage driver availability duing increased demand periods. Drivers who choose to be on the road during peak times are rewarded with award points or bonuses. There should be clear criteria for earning the incentives, how the award points are calculated and the resulting rewards. Data analysis is an essential component in identifying the peak hours. This data-driven approach provides drivers with valuable information that helps them make informed decisions about when and where to maximize their earnings. This not only meets the increased rider demand but also encourages drivers to provide services when they are needed most. It's a win-win approach that enhances overall service quality during peak-hours.

Peak-Hour Passenger Advisory Program

This is a strategic initiative which aims at enhancing ride experience for passengers during high demand periods. The mobile app will provide real-time alerts and notifications to help passengers plan their rides effectively. It provides infromation about expected pricing, estimated wait times and service availability. By offering recommendations and saving opportunities the program empowers passengers to make informed decisions and minimize inconvenience during peak-hours. Overall, it aims for passenger satisfaction and provide smoother operations for the ride hailing service provider (driver).

TEAM ————

OUR GREAT TEAM

Srishti Mohanty
21BCE8296

✉ *srishti.21bce8296@vitapstudent.ac.in*

Batchu Ramya
21BCE9106

✉ *ramya.21bce9106@vitapstudent.ac.in*

Kaki Tulasi Sri Sanjana
21BCE9524

✉ *tulasisri.21bce9524@vitapstudent.ac.in*

G.Greeshma Sai Koushika
21BCE8236

✉ *greeshma.21bce8236@vitapstudent.ac.in*

Uber Expeditionary Analysis

Uber is a ride-hailing company that relies heavily on data science and analysis to support its day-to-day operations and provide hassle-free rides and deliveries to customers.