**CITIBIKE**

**USE CASE 1**

1. Name - Booking a Bike Ride
2. Brief Description – It allows a user to book a bike ride to his/her desired destination based on bike’s availability.
3. Actors – Customer, Application
4. Basic Flow –
   1. User opens the application and Register/Login into account.
   2. If first-time user, then select an appropriate subscription plan
   3. Check for nearest biking stations and availability of bikes
   4. Select destination and complete payment respectively
   5. Unlock bike scanning the QR Code or enter a unique 6-digit code given by the application
5. Alternate Flows –
   1. Suggest alternate docking station if there aren’t any bikes available at the desired location
6. Pre-Conditions –
   1. Must be of Legal Age to drive a bicycle [16+ years]
   2. Must provide Valid ID for age verification
   3. Must have valid debit/credit card for payment method
7. Post-Conditions –
   1. The bicycle must be docked at the correct docking station after the completion of the trip.
   2. Report any incidents/accidents during the trip
8. Special Requirements –
   1. User must follow the safety guidelines imposed by the government of riding bicycles in the designated bike lanes only.

**USE CASE 2**

* Name – Gather Bike Information
* Brief Description – It gives the company a detailed information regarding how many bikes is available at a certain station along with its condition.
* Actors – Application, Vehicle Database
* Basic Flow –
  1. Application checks for the count of the bikes
  2. It gathers information about the bike’s conditions from user’s feedback
  3. Suggest bike information to user as per their requirements
* Alternate Flows –
* Pre-Conditions –

1. Verify the live count of bikes as per the sensor data located at the docking station
2. Verify the given data of the bike’s condition by weekly maintenance of the docking stations

* Post-Conditions - Check whether the data gathered by the database is the same as the data displayed on the application for the live count of the bike available.
* Special Requirements – Check for any thefts of bikes from the data available