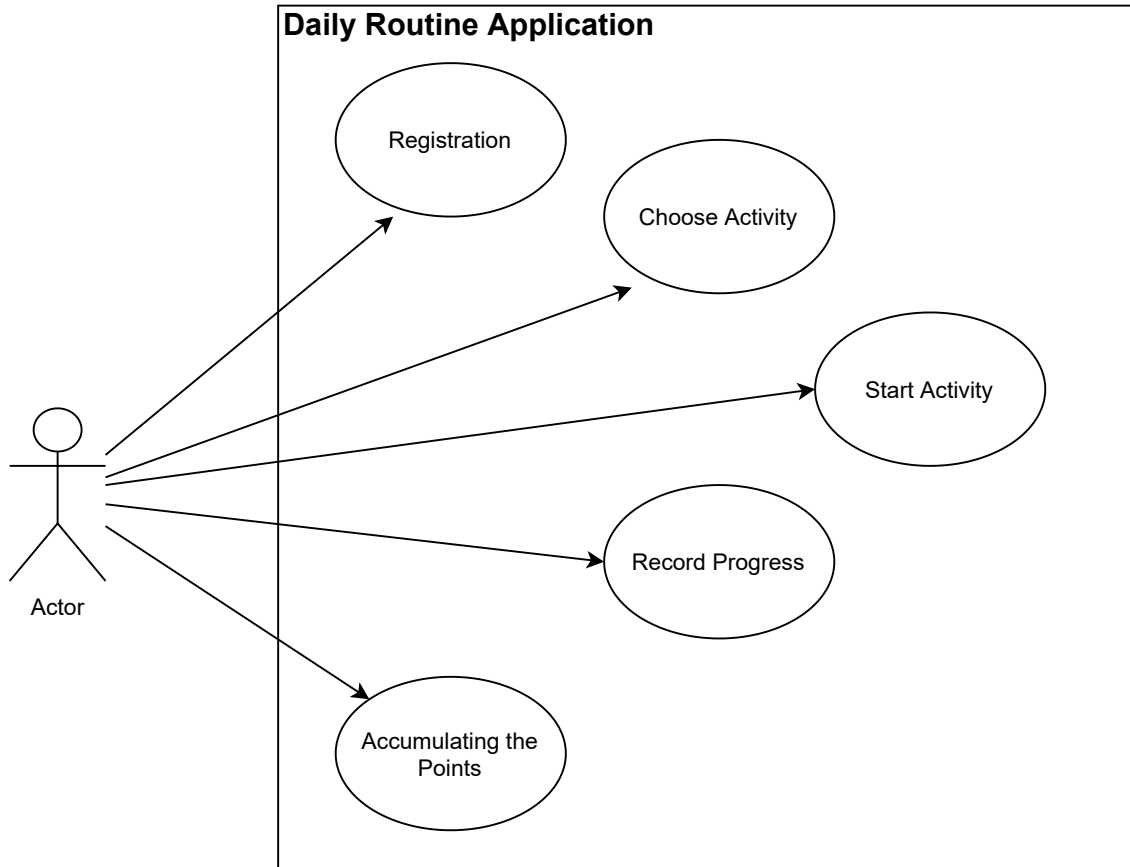


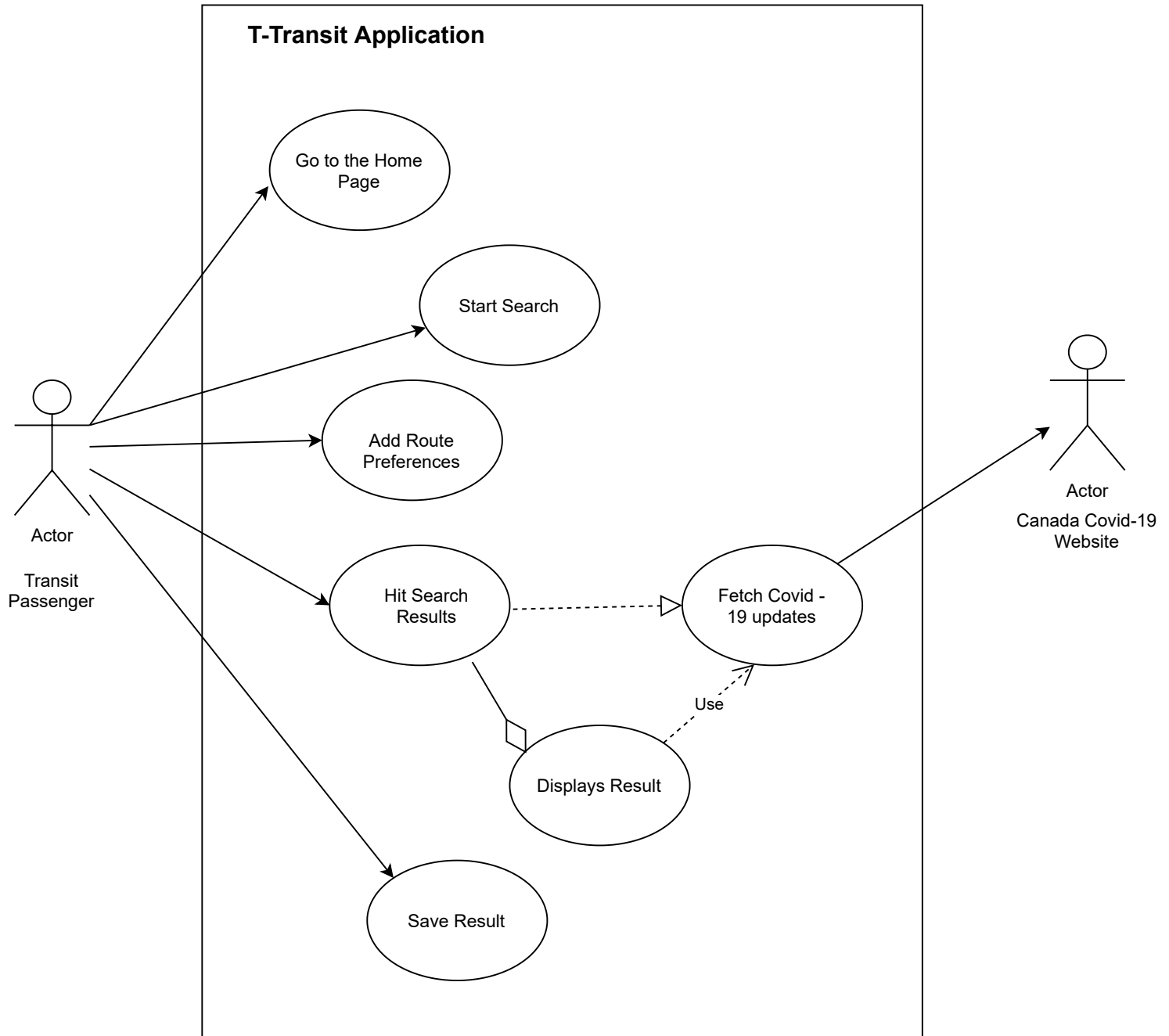
Use Case Diagram

Scenario: Ways to be Active in Pandemic



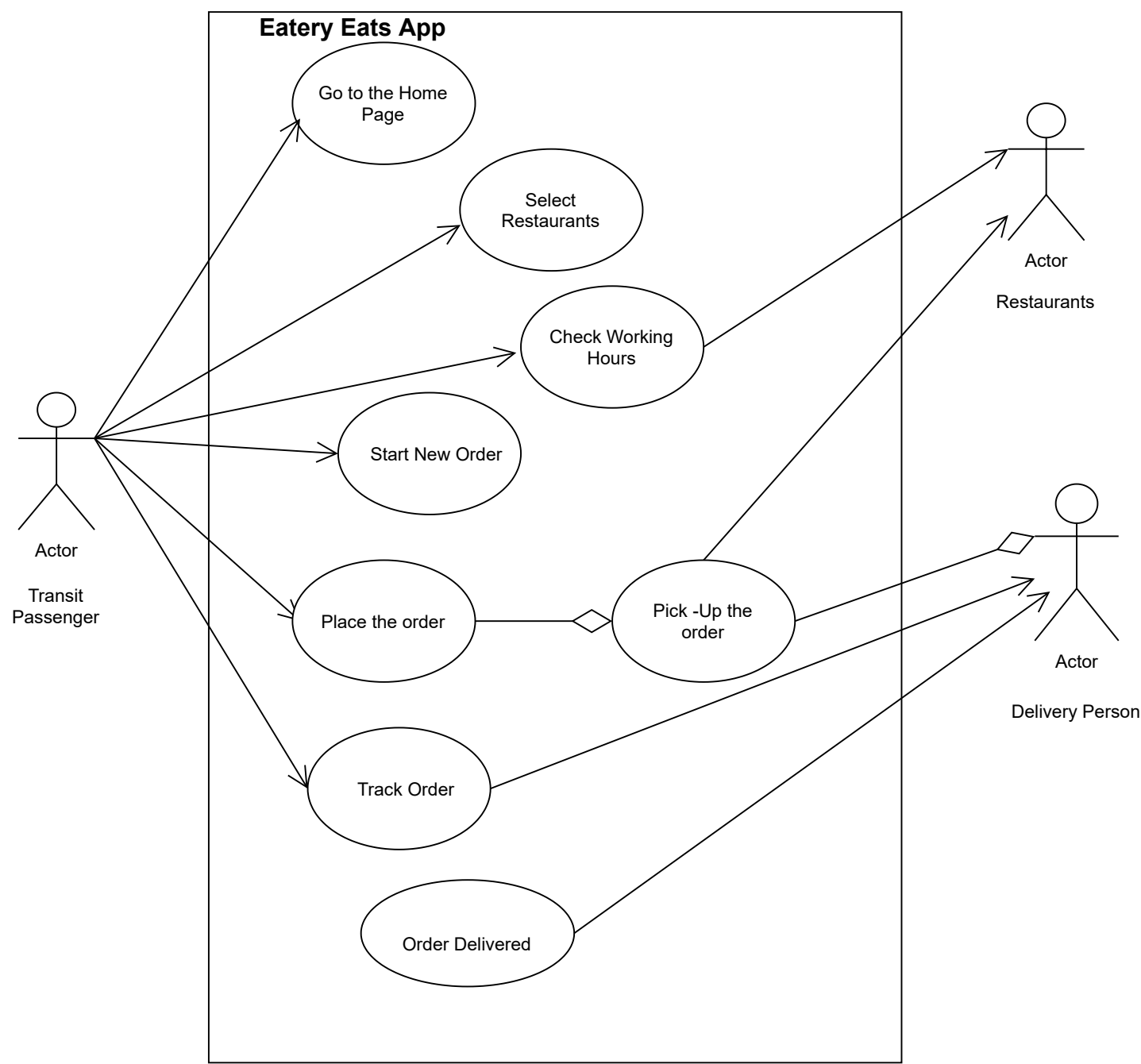
Use Case Diagram

Scenario: Hours and Guidelines of Public Transportation in my city



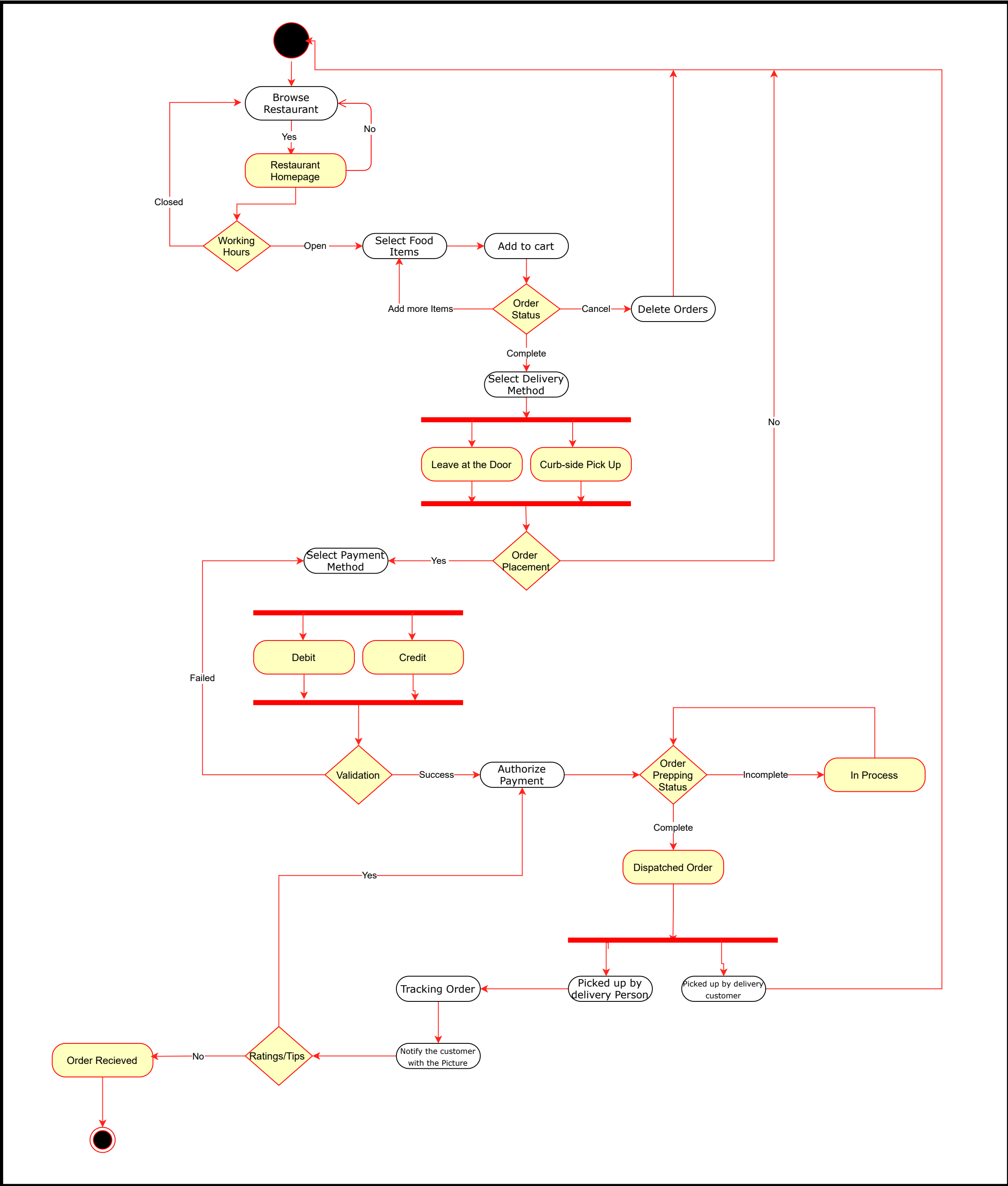
Use Case Diagram

Scenario: Regulations of restaurants while making an online food delivery.



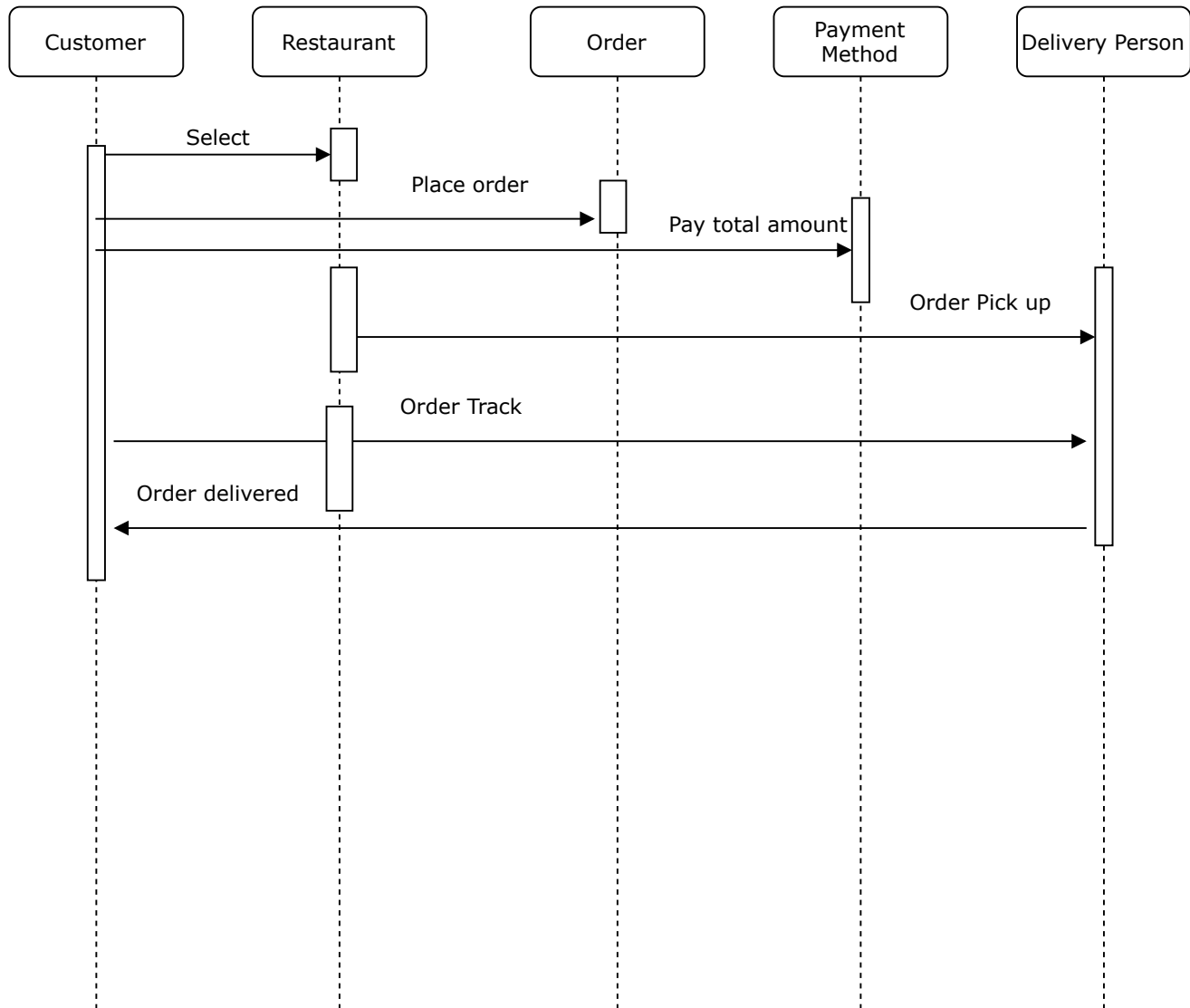
Activity Diagram

Scenario: Regulations of restaurants while making an online food delivery.



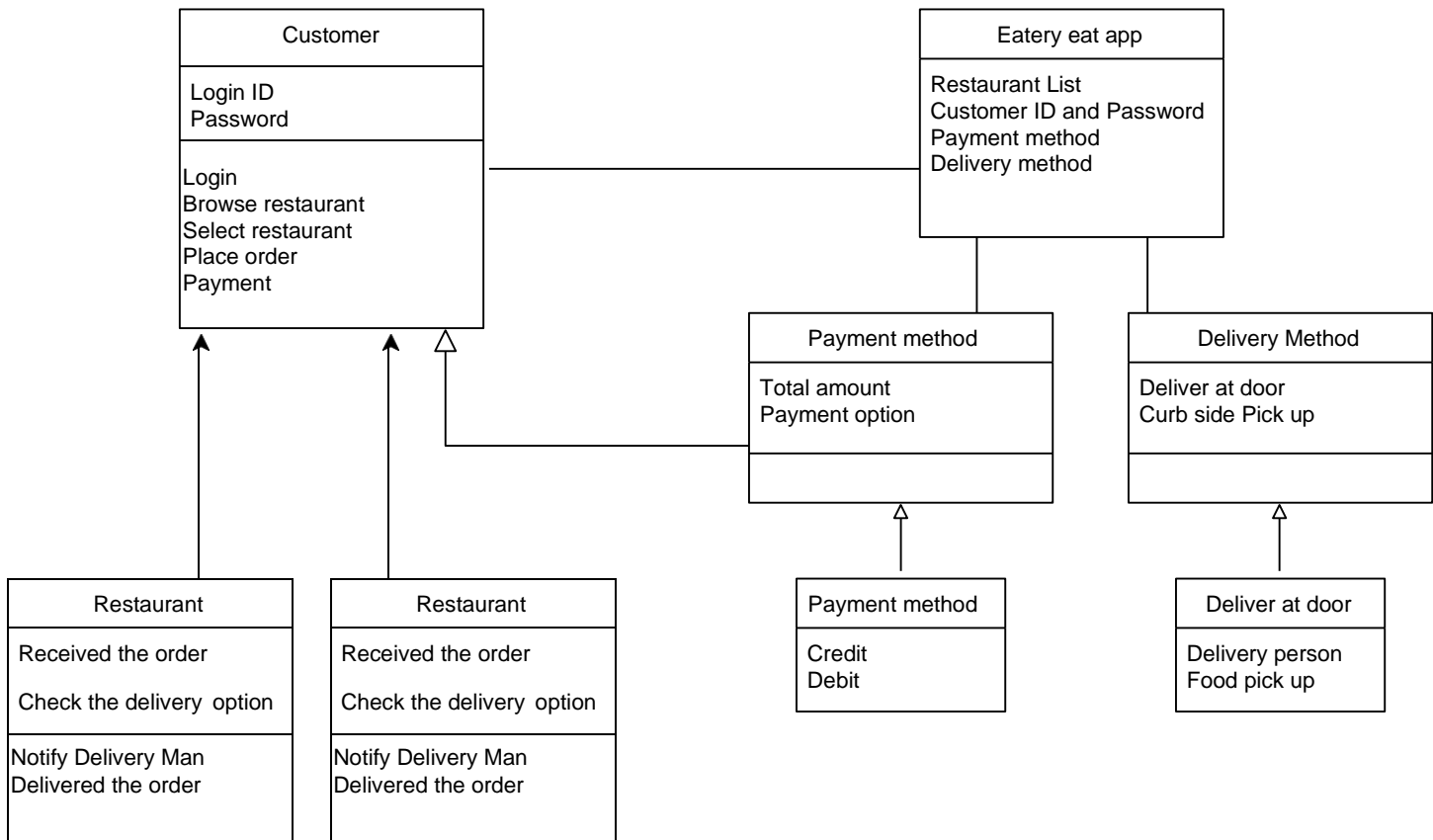
Sequence Diagram

Scenario: Regulations of restaurants while making an online food delivery.



Class Diagram

Scenario: Regulations of restaurants while making an online food delivery



EECS 3311 SOFTWARE DESIGN
LAB 3, VERSION 1

INSTRUCTOR: Maleknaz Nayebi
SUBMISSION DATE:
Feb 03, 2021

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Student Id: 216006595

Use Case Name	Ways to be active during pandemic
Level	Brief
Primary Actor	Users and the Daily Routine App
Other Actors	
Main Success Scenario	<p>The Users opens register with the Daily Routine App. The Application different activities for users to choose from. The Users browse through options available like healthy eating habits, 30-day exercise challenge, 5 mins mini-games to keep your brain active, etc. based on their requirements. The user then chooses the 30-day exercise challenge option. The User must enter the data like weight, height, sleep schedule, in the required field for the activity selected. The App the ask user to enter the start date of the challenge and displays the exercise task for Day 1 on the date entered. The user must enter the updates on the challenge and checkmark the day as completed after completing the task for each day. The Records gets updated in the App and User earns the points for each day. The App tracks the progress of the users and displays the results at the end of the challenge.</p>

Use Case Name	Hours and Guidelines of Public Transportation in my city
Level	Brief
Primary Actor	Transit Passenger and system (App)
Other Actors	Canada COVID-19 website
Main Success Scenario	<p>Users opens the app for public transit to know recent updates transportation. The app presents menu options with functionalities like check the bus frequency of the route user want to travel through. The users after selecting that options, enter the data into time, route, and bus number fields. Then users pressed the search results button and then the apps display the transit frequency of the entered bus at that time in the specified route. The app also displays covid-19 update on cases in their province based on the user preferences. The user gets the Covid-19 updates on the screen. clicks on the options and enters data into date and Province field and the presses the search button. The app uses the Canada Covid-19 website to fetch the data and displays the result on the rate of number cases on that day. The app offers the option to save the search results. The users save the results and go back to homepage.</p>

Use Case Name	Regulations of restaurants while making an online food delivery.
Level	Brief
Primary Actor	Customer and food delivery App
Other Actors	Restaurants and Delivery Person
Main Success Scenario	<p>The customer opens the online food delivery App. The App offers various restaurants to select based on different cuisine as well. The customer browses through the option and selects the restaurants, the food needs to be ordered from. The App opens the restaurant's home page with a menu option. The first customer clicks on working hours to check the updated hours of restaurants in the pandemic. Then the customer adds the food to the cart and proceeds to place the order. The customer reviews the order moves forward with the payment. Then The customer selects the option for contact-less “Leave at the door” delivery. The customer pays for the order and waits for it to be delivered. The delivery person then delivers the order and sends pictures of the food placed at the door to notify the customer via text or in-app messaging. The customer picks up the order within 30 minutes.</p>

Use Case Name	Hours and Guidelines of Public Transportation in my city
Level	Casual
Primary Actor	Transit Passenger and system (App)
Other Actors	Canada COVID-19 website
Main Success Scenario	<p>Users opens the app for public transit to know recent updates transportation. The app presents menu options with functionalities like check the bus frequency of the route user want to travel through. The users after selecting that options, enter the data into time, route, and bus number fields. Then users pressed the search results button and then the apps display the transit frequency of the entered bus at that time in the specified route. The app also displays covid-19 update on cases in their province based on the user preferences. The user gets the Covid-19 updates on the screen. clicks on the options and enters data into date and Province field and the presses the search button. The app uses the Canada Covid-19 website to fetch the data and displays the result on the rate of number cases on that day. The app offers the option to save the search results. The users save the results and go back to homepage.</p>
Extensions	<p>Weekends and Holiday Hours:</p> <p>If a particular bus frequency is low and the App does not automatically show alternative options for bus. Users must manually go to homepage and start a new search with new criteria to look for the frequency of another bus on that route.</p>

Use Case Name	Regulations of restaurants while making an online food delivery.
Level	Casual
Primary Actor	Customer and Food Delivery App
Other Actors	Restaurants and Delivery person
Main Success Scenario	<p>The customer opens the online food delivery App. The App offers various restaurants to select based on different cuisine as well. The customer browses through the option and selects the restaurants, the food needs to be ordered from. The App opens the restaurant's home page with a menu option. The first customer clicks on working hours to check the updated hours of restaurants in the pandemic. Then the customer adds the food to the cart and proceeds to place the order. The customer reviews the order moves forward with the payment. Then The customer selects the option for contact-less “Leave at the door” delivery. The customer pays for the order and waits for it to be delivered. The delivery person then delivers the order and sends pictures of the food placed at the door to notify the customer via text or in-app messaging. The customer picks up the order within 30 minutes.</p>

Extensions	<p>If the customer places the order and realized that the App didn't give the option to select contact-less "Leave at the door" delivery and is not available for this restaurant. The Customer must change the delivery method to curbside pick-up delivery before the delivery pick-up window starts due to pandemic alerts or just cancel the order.</p> <p>After placing the order, if the customer realizes that there was no option to make the payment and its actually "pay at the door" system. Customer must pay for the order at door and the use sanitizer and take precautions or else cancel the order by calling up the restaurants.</p>
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Use Case Name	Regulations of restaurants while making an online food delivery.
Level	Fully Dressed
Primary Actor	Customer and Food Delivery App
Other Actors	Restaurants and Delivery Person

Stakeholder & Interests	<ol style="list-style-type: none"> 1. Customer: wants easy to use app, and specified information on updated covid-19 services. Wants payment methods and contact-less services details mentioned clearly. Wants proof of purchased and that the delivery person deliver the order at the door. 2. Restaurants: Wants to accurately deliver all the details on updated policy and services and satisfy customer's interest. Wants to make sure all health safety regulations are followed and is safe for their customer to place the order. 3. Delivery Person: wants to be able to deliver the food safely, timely, and maintaining all the covid-19 precautions. Wants to be able to earn enough in the pandemic.
Preconditions	<p>The app has all the details regarding covid-19 regulations.</p> <p>Payment module should have secured gateway and delivery person should have smartphone access with proper routing map.</p>
Success Guarantee (or Postconditions)	<p>Confirmation to customers that order has been delivered at the door. Proof of purchased with list of order items is saved on the customer's account.</p>

Main Success Scenario	<ol style="list-style-type: none"> 1. The customer opens the online food delivery App. 2. The App offers various restaurants to select based on different cuisine as well. 3. The customer browses through the option and selects the restaurants. 4. The App opens the restaurant's home page with a menu option. 5. The first customer clicks on working hours to check the updated hours of restaurants in the pandemic. 6. The customer adds the food to the cart and proceeds to place the order. 7. The customer reviews the order moves forward with the payment. 8. The customer selects the option for contact-less “Leave at the door” delivery. 9. The customer pays for the order and waits for it to be delivered. 10. The delivery person then delivers the order. 11. The delivery person sends pictures of the food placed at the door to notify the customer via text or in-app messaging. 12. The customer picks up the order within 30 minutes.
Extensions	<ol style="list-style-type: none"> a. At any time, Customer should be able to change the choice of restaurants: <ol style="list-style-type: none"> 1. From the order review page, customer navigates to homepage to browse for new restaurants. 2. The App ask the customer if they want to start new order and delete the current order. 3. The customer clicks on ‘yes’ button and proceeds with the new order. b. After placing the order, Customer wants to change the delivery option to curbside pick-up: <ol style="list-style-type: none"> 1. The customer goes to the order tracking page on the app.

	<ol style="list-style-type: none"> 2. The App displays the option to change the delivery method until the delivery pick-up window starts. 3. The App offers the customer to select the delivery method. 4. The customer selects the curbside pick-up and confirms the location of the store. 5. The App ask the customer for final confirmation to change the delivery method. <p>1a. The customer selects the new restaurants.</p> <ol style="list-style-type: none"> 1. The customer browses the menu of the selected restaurants. 2. The customer selects the new order items. 3. The customer adds the new item to the cart. 4. New order is reviewed and placed. <p>1b. Customer changed his mind for delivery method:</p> <ol style="list-style-type: none"> 1. The customer navigates to order tracking page. 2. The customer then selects the option that says, “Change the delivery Method”. 3. The customer changed the delivery method. 4. The order is updated, and delivery person is informed.
Special Requirements	<ol style="list-style-type: none"> 1. The App should be available on android and ios platform. 2. The covid-19 regulation Alert message should be visible at top of app in red fonts. 3. User friendly and easy to navigate. 4. The App response time should be within 30 seconds.

Technology and Data Variations List	<ol style="list-style-type: none"> 1. Payment should be fully refunded in the customers account if the order was canceled within 5 minutes of placement. 2. Payment information entered by scanning the debit/credit card. 3. But with technology advancement, within 1 year, the customer would like to view the picture taken as the proof of the order delivered at door, under the order history on their account.
Frequency of Occurrence	High chances of it happening everyday: Continuous
Open Issues	<ol style="list-style-type: none"> 1. Coordinate with restaurant owners to reduce the delivery time within the 5 miles of delivery drop-off address. 2. Variation in delivery and service charges.