CSC-331 Project Brief Use Cases

Requirements/Analysis Team 1
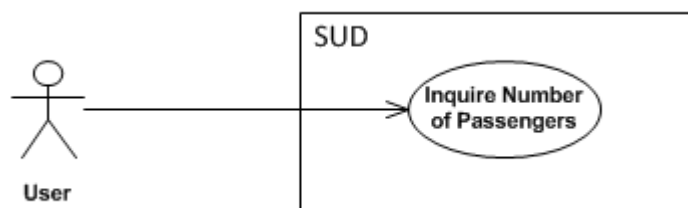
By Xingyu Wang

Brief UC 1
Name: Inquire Number of Passengers
Paragraph: The user asks the system the number of passengers on the next bus coming to a specific stop. The system requires the user to enter the name of the stop. After the user enters the name of the stop, the system displays the number of passengers on that bus to the user.
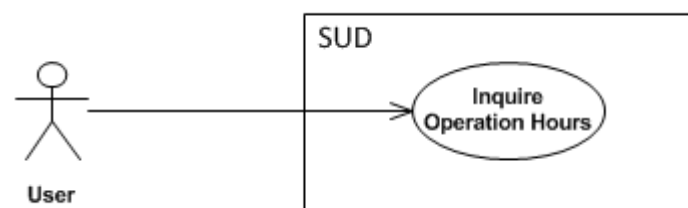**Diagram:**

Brief UC 2
Name: Inquire Operation Hours
Paragraph: The user asks the system the operation hours of a line. The system requires the user to enter the color of the line. After the user specifies the color, the system displays the operation hours of the line.
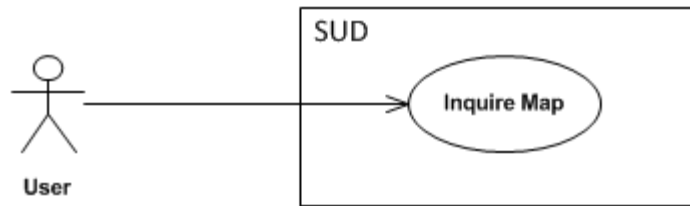**Diagram:**

Brief UC 3
Name: Inquire Map
Paragraph: The user asks the system to show the map of a line. The system requires the user to choose a color for the line. After the user specifies the color, the system displays the map of the line.
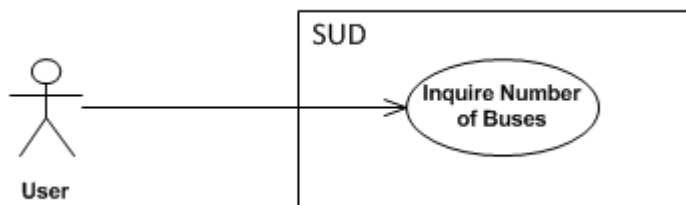**Diagram:**

Brief UC 4
Name: Inquire Number of Buses
Paragraph: The user asks the system the number of buses currently running on a line. The system asks the user to choose a color for the line. After the user specifies the color, the system displays the number of buses currently running on the line.
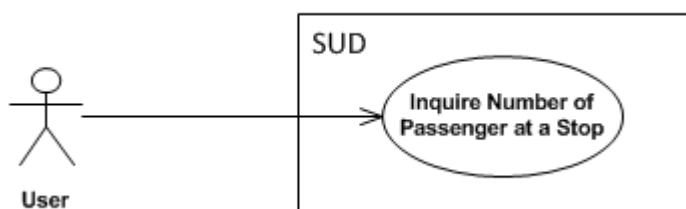**Diagram:**

Brief UC 5
Name: Inquire Number of Passengers at a Stop
Paragraph: The user asks the system the number of passengers at a stop. The system requires the user to enter the name of the stop. After the user enters the name of the stop, the system displays the number of passengers currently waiting at the stop.
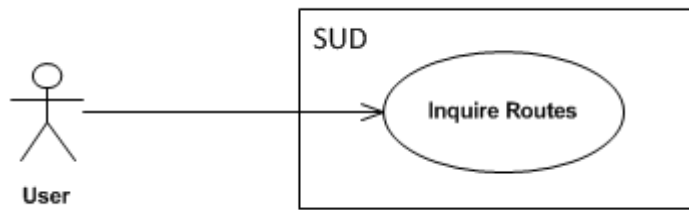**Diagram:**

Brief UC 6
Name: Inquire routes
Paragraph: The user asks the system a route. The system obtains the current location of the user, and then asks the user's destination. After the user enters the destination, the system displays one or more available routes to the user with approximate time needed.
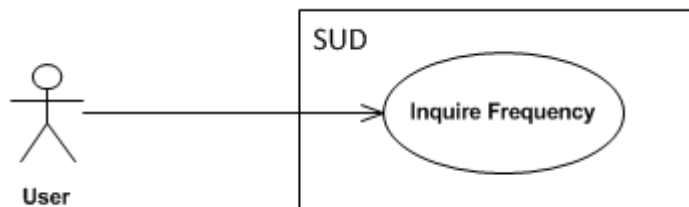**Diagram:**

Brief UC 7
Name: Inquire Frequency
Paragraph: The user asks the system the frequency of buses on a line. The system requires the user to choose a color for the line and a time interval. After the user enters the information, the system displays the frequency of buses on the line during the time interval.
Diagram:

Brief UC 8
Name: Inquire Getting-off
Paragraph: The user asks the system the average number of passengers getting off at a stop. The system requires the user to enter the name of the stop and choose a time interval. After the user enters the information, the system displays the average number of passengers getting off at the stop during the time interval.
Diagram: