***Scenario***

1. In a city’s traffic control center, traffic managers use tangible user interface (TUIO) objects to manage traffic conditions during morning rush hour and prepare for weather disruptions and accidents.
2. Each TUIO object represents a specific factor such as cars, buses, trains, accidents, or weather.
3. When a TUIO object is held in front of a camera, the system updates the city map on a screen to reflect the relevant data.
4. The car object highlights traffic density, marking congested areas in red to help managers identify traffic bottlenecks.
5. The bus object overlays bus routes and indicates delays, aiding in real-time public transport adjustments.
6. The train object displays rail schedules, allowing managers to monitor and manage train operations effectively.
7. The accident object pinpoints incidents on the map, suggesting alternate routes and ensuring emergency access to affected areas.
8. The weather object overlays weather events onto the city map and allows managers to simulate impact by moving the object closer or further from the camera, which zooms the map in or out.
9. By combining multiple TUIO objects, traffic managers can view integrated traffic data across various modes, such as cars, buses, trains, and weather conditions, to analyze the bigger picture.
10. This integration enables managers to adjust routes dynamically and issue public advisories in real time to optimize traffic flow.
11. The system ultimately facilitates rapid, informed decision-making, reducing disruptions and improving traffic management across the city.