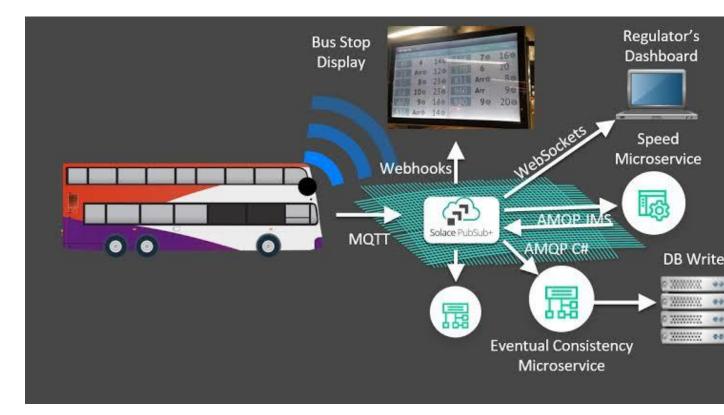
INTERNET OF THINGS_PHASE 4

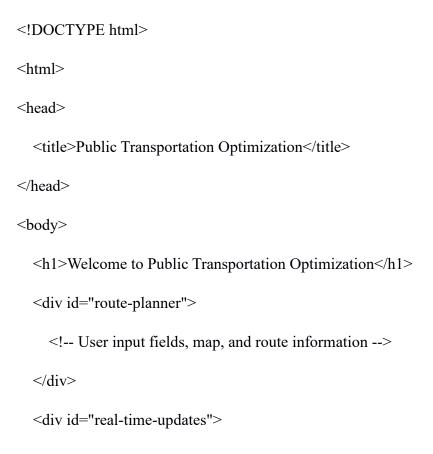
Requirement For Web Development:

- **1. Data Collection:** Gather data on routes, schedules, and real-time information for public transportation in your target area. This data may come from government sources, transportation agencies, or third-party APIs.
- **2. User Interface:** Design a user-friendly web interface that allows users to search for routes, view schedules, and access real-time updates. Make sure it's responsive and accessible on various devices.
- **3. Route Planning**: Implement algorithms to calculate and display optimal routes based on user preferences, such as speed, cost, or convenience. Consider using graph theory and optimization techniques.
- **4. Real-Time Updates:** Integrate real-time data sources to provide users with accurate information about bus or train locations, delays, and arrival times.
- **5. Fare Information:** Display fare details, payment options, and ticket purchasing functionality if necessary.
- **6. Accessibility:** Ensure that the web application is accessible to people with disabilities, complying with accessibility standards like WCAG.
- **7. Map Integration:** Integrate mapping services to display routes and provide users with a visual representation of their journey.
- **8.** User Accounts: Implement user registration and account management features for personalized experiences, such as saving favorite routes.
- **9. Feedback and Support:** Offer channels for user feedback and customer support to address concerns and improve the service.
- **10. Testing:** Rigorously test the application to identify and resolve bugs, optimize performance, and ensure a smooth user experience.
- 11. **Deployment:** Deploy the web application on a reliable web hosting platform, considering scalability and security.
- **12. Marketing and Promotion:** Promote your service to potential users, possibly through partnerships with local transportation authorities.

13. Maintenance and Updates: Continuously monitor and maintain the web application, incorporating new data and features as needed.



Web Development (HTML) Coding:



```
<!-- Real-time vehicle locations, delays, and schedule information -->
</div>
<!-- Other UI components and scripts -->
<script src="main.js"></script>
</body>
</html>
```