**PROJECT TITLE-SMART PUBLIC RESTROOM- INTERNET OFTHINGS**

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**PHASE 4: DEVELOPMENT PART 2**

**PROBLEM DEFINITION:**

In this phase of the project, we will define the problem statement and outline a design thinking approach for the implementation of the Smart Public Restroom project. The project aims to provide real-time data on restroom availability and cleanliness to the public through a web-based platform or mobile app. This document will help us understand the project's objectives and how to proceed with its implementation.

**PROBLEM STATEMENT:**

Public restrooms in busy areas often suffer from issues such as overcrowding, poor cleanliness, and lack of real-time information about their availability. This project aims to address these problems by implementing IoT technology to monitor restroom occupancy and cleanliness. The primary challenges to be addressed include:

1. Restroom Availability: Ensuring that restroom users have access to real-time information about restroom availability, minimizing wait times, and improving user experience.

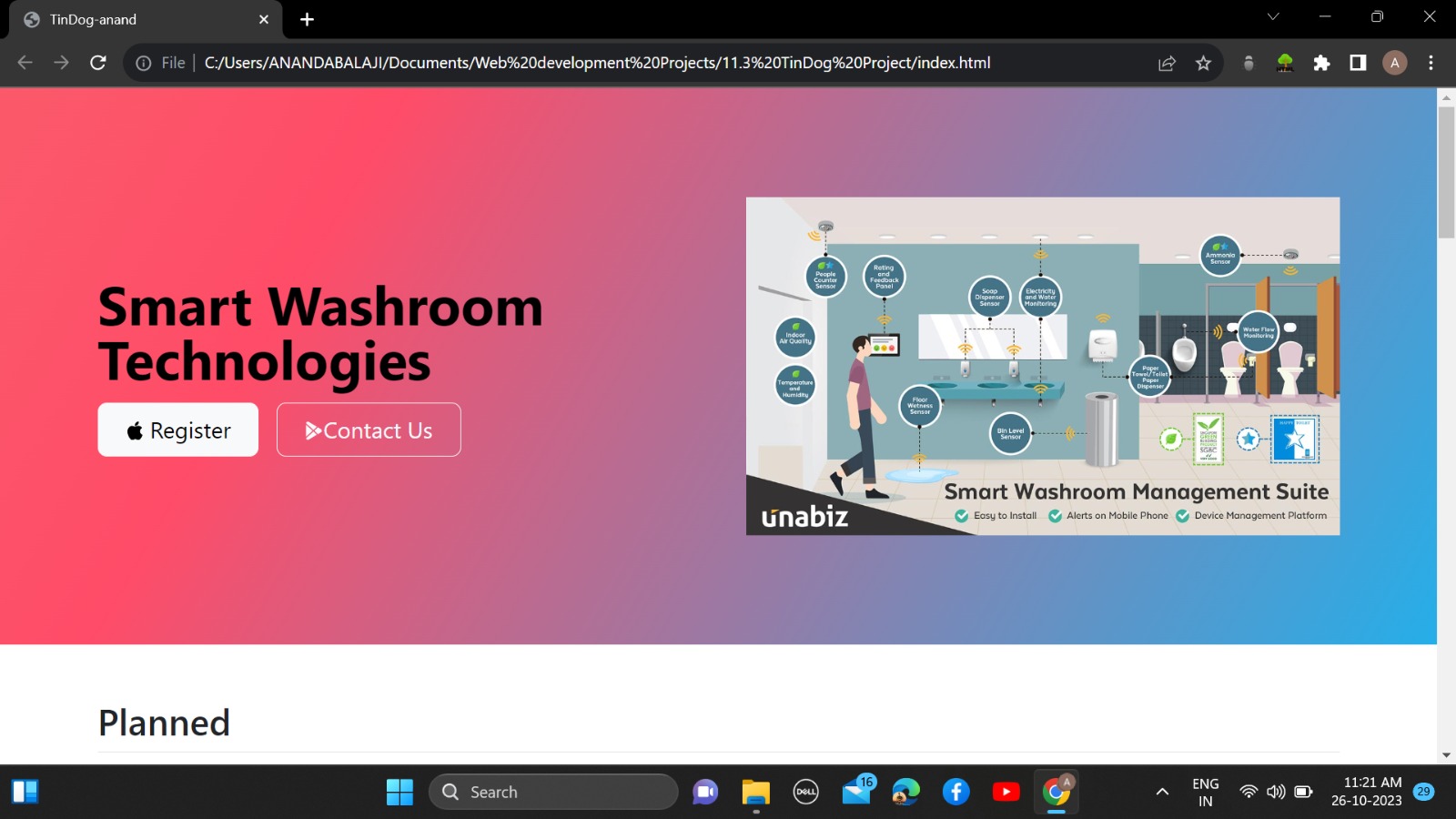
2. Cleanliness Monitoring:Monitoring the cleanliness of restrooms and ensuring timely maintenance to maintain hygiene standards.

3. Efficient Resource Management: Optimizing the allocation of cleaning staff and resources based on actual restroom usage and cleanliness needs.

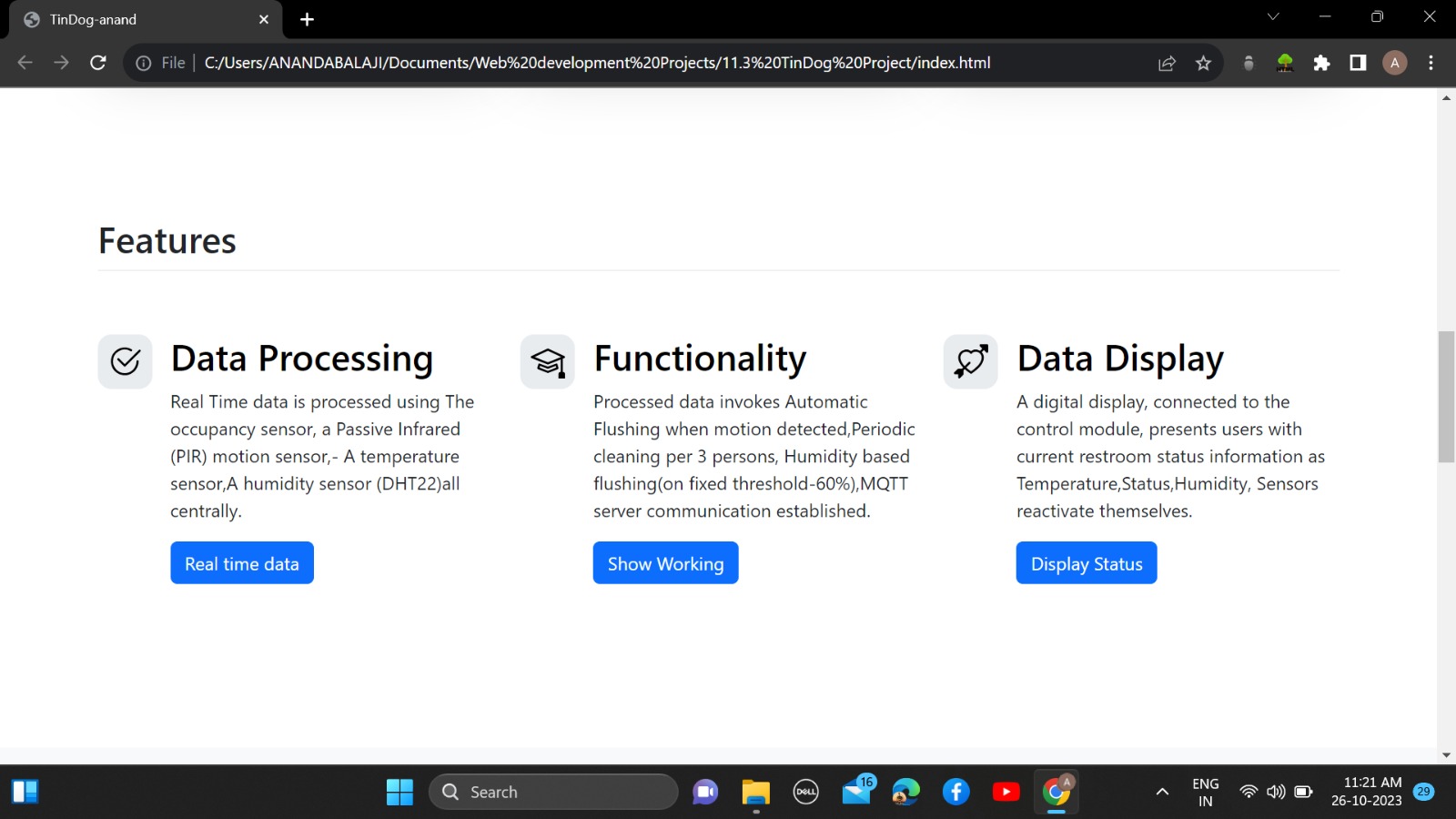
DEVELOPMENT PART:

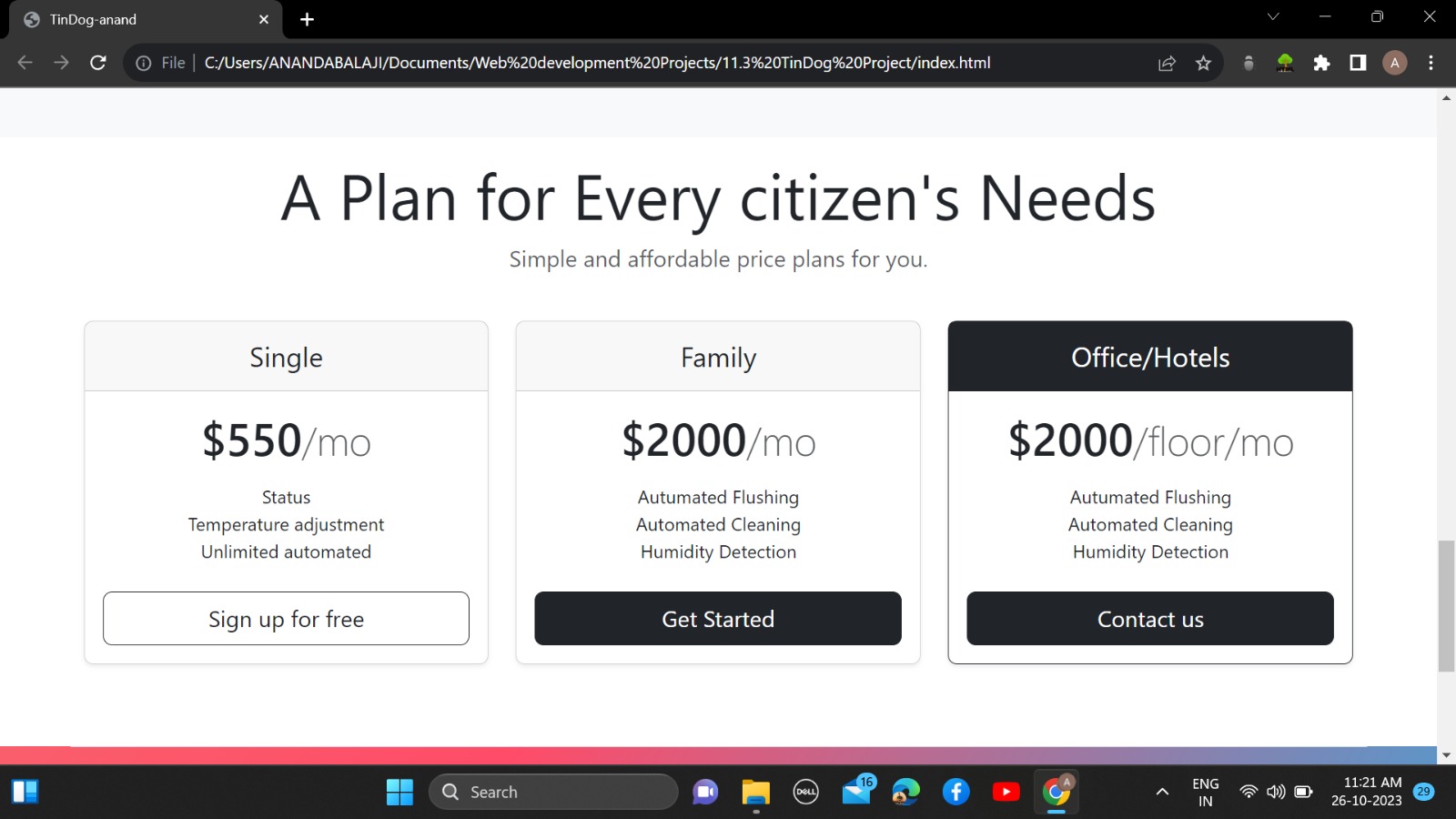
Design mobile apps for iOS and Android platforms that provide users with access to realtime restroom information

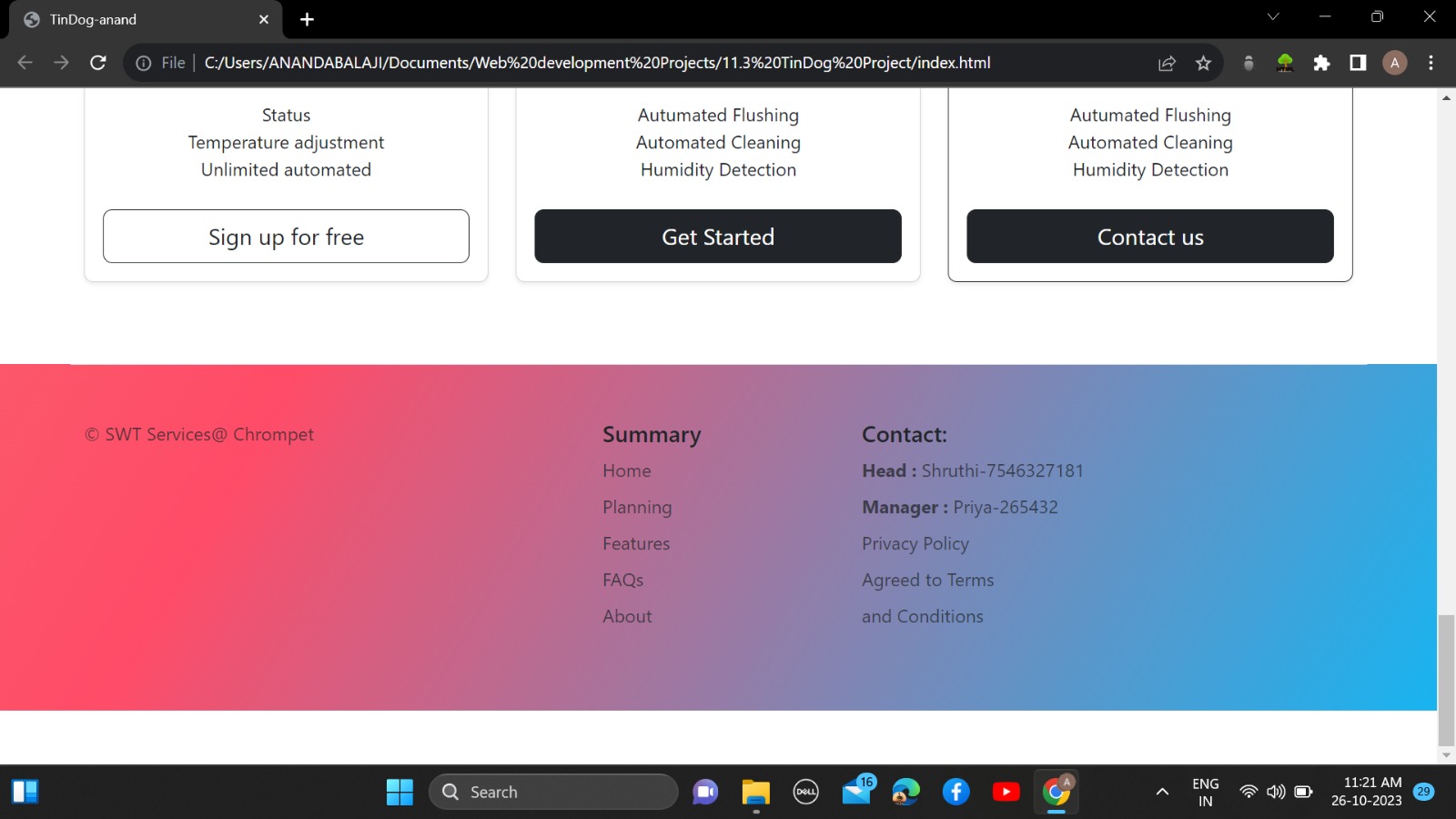
**Screenshots of the mobile App implementation part:**

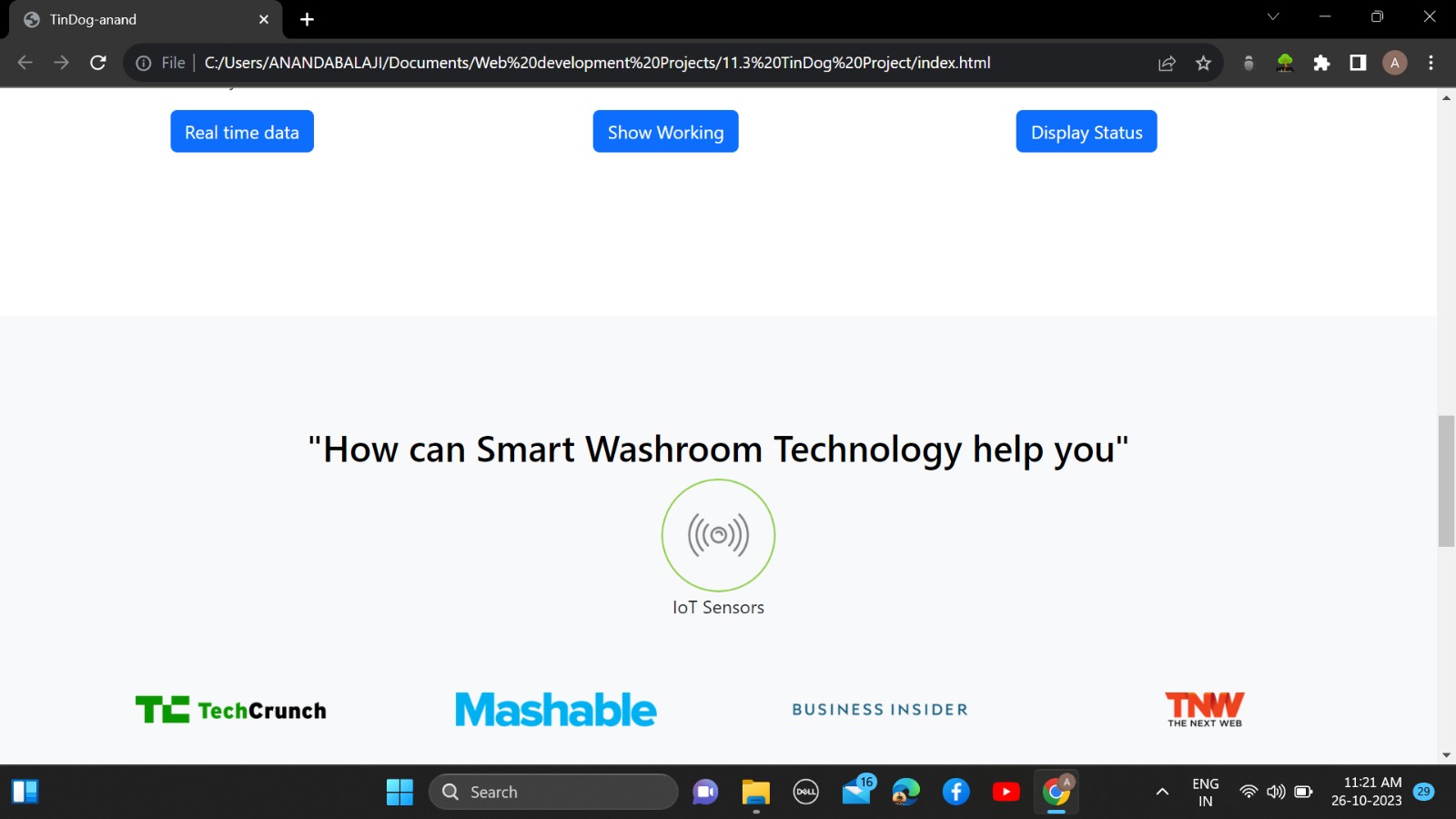


**Features:**









**Advancements:**

