EXPERIENCE SUMMARY REPORT

Submitted By:
Denise Ira R. Jubilo
BSCOE 3-5

OVERALL REVIEW AND ANALYSIS OF OJT2 EXPERIENCE

My second On-the-Job Training (OJT2) experience as a System Developer at Hayakawa Electronics (Phils.) Corp. provided a dynamic and multifaceted immersion into real-world software development. This journey involved collaborating on innovative projects, problem-solving, and consistent communication with the team and management.

1. Security System with Facial Recognition

One of my most impactful projects was developing a Security System with Facial Recognition alongside my co-interns. This project used Python to recognize faces, with data storage efficiently managed by converting it into Excel sheets. I learned the intricacies of integrating Python libraries for facial recognition, the importance of optimizing data handling, and the practical aspects of data storage solutions. The project emphasized real-time processing and accuracy, sharpening my understanding of data security and privacy.

2. Materials Monitoring System

In another project, I assisted my co-intern in populating and managing data for a Materials Monitoring System. This system tracked the inventory and the flow of materials, utilizing a local server setup with MySQL, PHP, and XAMPP. This experience honed my skills in data management, precision, and attention to detail. It also underscored the value of structured data storage and real-time monitoring for inventory management. When our supervisor recognized the project’s potential, they endorsed it to other departments, emphasizing its impact on improving company operations.

3. Andon Monitoring System

Working collaboratively with two co-interns, we developed the Andon Monitoring System, which was a significant and complex project. Using HTML, CSS, JavaScript, and a local server setup with PHP/MySQL, we built three main components: the operator’s website, the technician’s website, and a locator map for machine tracking. This project deepened my understanding of front-end and back-end integration, dynamic web design, and creating user-friendly interfaces for efficient communication. It also taught me the power of teamwork in tackling large-scale projects.

4. Commitment Monitoring Board

Our final project was the Commitment Monitoring Board, consisting of four web pages: the Commitment Board, Employees Board, Activity/Countermeasure Board, and Important Notes section. I utilized HTML, CSS, and JavaScript for the frontend and a PHP/MySQL local server setup for the backend. This project required meticulous organization, understanding of responsive design, and comprehensive database management. Weekly discussions with my section leader, supervisor, and manager provided feedback and helped us stay aligned with the company’s expectations.

My OJT2 experience was a rollercoaster ride filled with challenges, triumphs, and growth. Weekly progress discussions with our section leader, supervisor, and manager refined my communication and project management skills. I experienced firsthand how perseverance and collaboration drive project success.

Beyond technical skills, I developed meaningful friendships with coworkers whose constant positivity and support made even the most challenging moments enjoyable. I learned that a strong support system can significantly lighten the journey, making the experience both professionally enriching and personally fulfilling.

RECOMMENDATION TO THE COMPANY

Conduct Agile Daily Stand-Up Meetings (15-Minute Reports)

Implementing a daily 15-minute stand-up meeting in line with Agile principles would enhance communication and streamline the team's workflow. These short check-ins would allow for better alignment, quicker identification of blockers, and efficient allocation of resources. This practice could lead to more agile and responsive project management, ensuring all team members are on the same page.

Upgrade Computer Hardware for Improved Performance

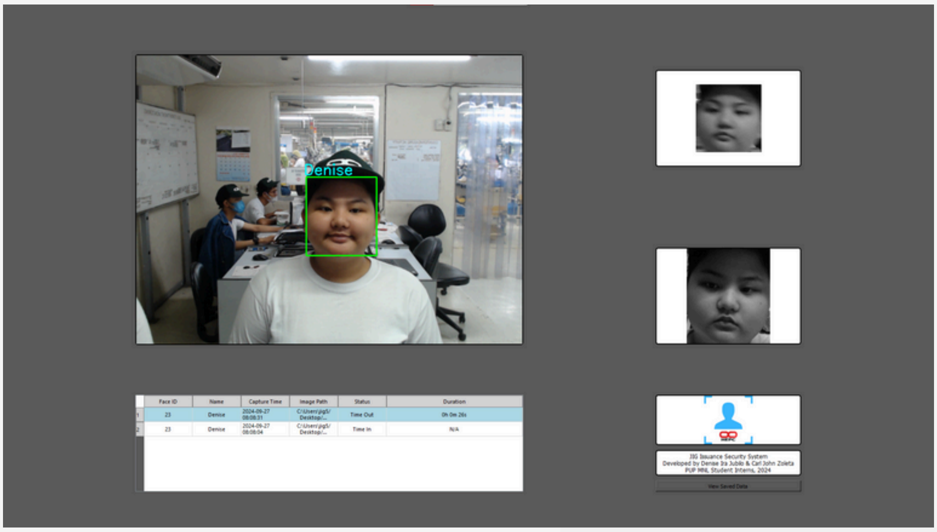
Updating the current version of the computers to better hardware specifications would significantly enhance productivity. Faster and more efficient machines would support multitasking and the use of resource-intensive programs, reducing downtime and boosting development speed. This investment would be especially beneficial for projects requiring simultaneous execution of multiple software tools.

Update Microsoft Software Suite

Upgrading the Microsoft software suite to the latest versions is crucial. The most recent updates come with enhanced features, better security, and improved usability, which can facilitate smoother collaboration, especially when working on documentation, data analysis, and project planning. This upgrade would also ensure compatibility with modern software and tools, minimizing technical disruptions.

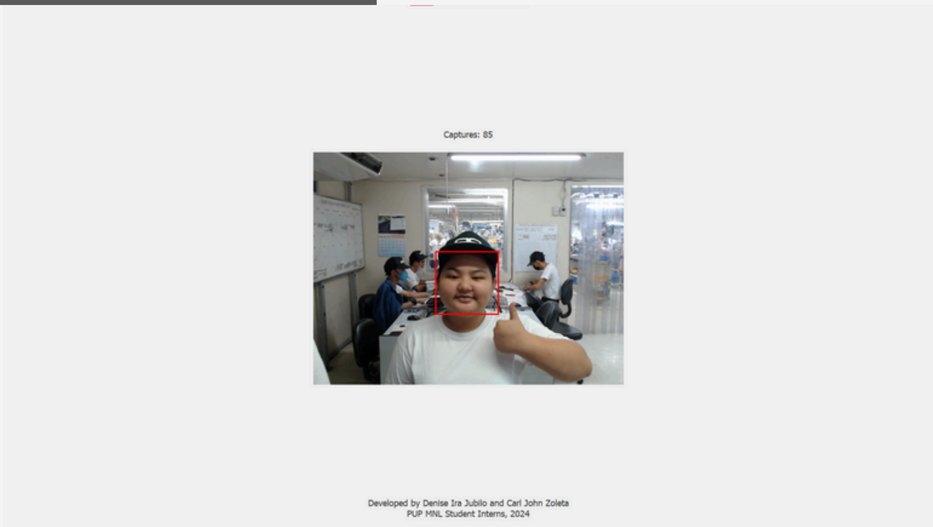
DOCUMENTATION

SECURITY SYSTEM WITH FACIAL RECOGNITION



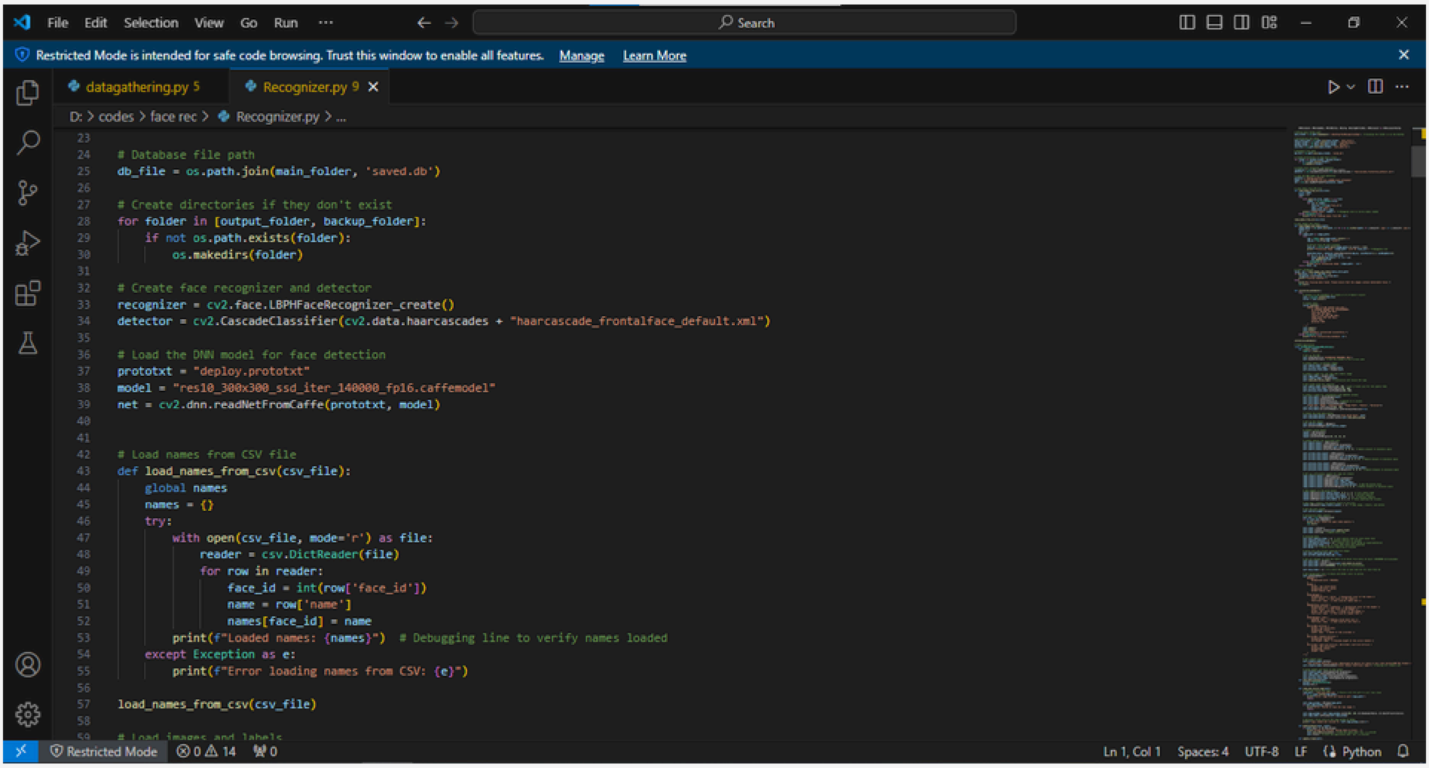
	Face ID	Name	Capture Time	Image Path	Status	Duration
1	23	Denise	2024-09-27 08:08:31	C:/Users/jig5/ Desktop/...	Time Out	0h 0m 26s
2	23	Denise	2024-09-27 08:08:04	C:/Users/jig5/ Desktop/...	Time In	N/A

JIG Issuance Security System
Developed by Denise Ira Jubilo & Carl John Zoleta
PUP MNL Student Interns, 2024



Captures: 85

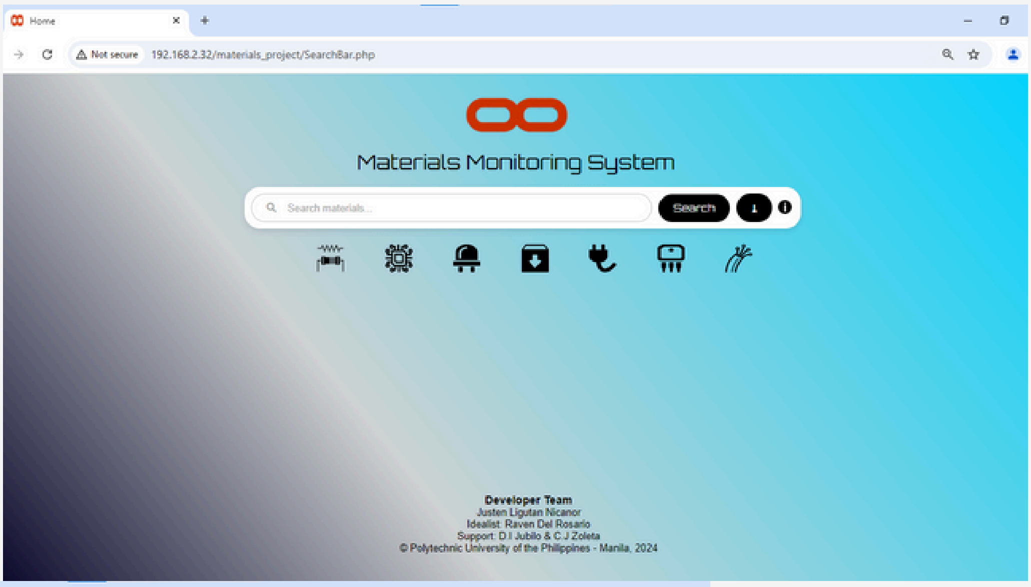
Developed by Denise Ira Jubilo and Carl John Zoleta
PUP MNL Student Interns, 2024



Restricted Mode is intended for safe code browsing. Trust this window to enable all features.

```python

# Database file path
db_file = os.path.join(main_folder, 'saved.db')

# Create directories if they don't exist
for folder in [output_folder, backup_folder]:
    if not os.path.exists(folder):
        os.makedirs(folder)

# Create face recognizer and detector
recognizer = cv2.face.LBPHFaceRecognizer_create()
detector = cv2.CascadeClassifier(cv2.data.haarcascades + "haarcascade_frontalface_default.xml")

# Load the DNN model for face detection
prototxt = "deploy.prototxt"
model = "res10_300x300_ssd_iter_140000_fp16.caffemodel"
net = cv2.dnn.readNetFromCaffe(prototxt, model)


# Load names from CSV file
def load_names_from_csv(csv_file):
    global names
    names = {}
    try:
        with open(csv_file, mode='r') as file:
            reader = csv.DictReader(file)
            for row in reader:
                face_id = int(row['face_id'])
                name = row['name']
                names[face_id] = name
        print(f"Loaded names: {names}")  # Debugging line to verify names loaded
    except Exception as e:
        print(f"Error loading names from CSV: {e}")

load_names_from_csv(csv_file)

# Load images and labels
```

MATERIALS MONITORING SYSTEM


Home
Not secure
192.168.2.32/materials_project/SearchBar.php
Materials Monitoring System
Search materials...
Search

Developer Team
Justen Ligutan Nicanor
Idealist: Raven Del Rosario
Support: D.I Jubilo & C.J Zoleta
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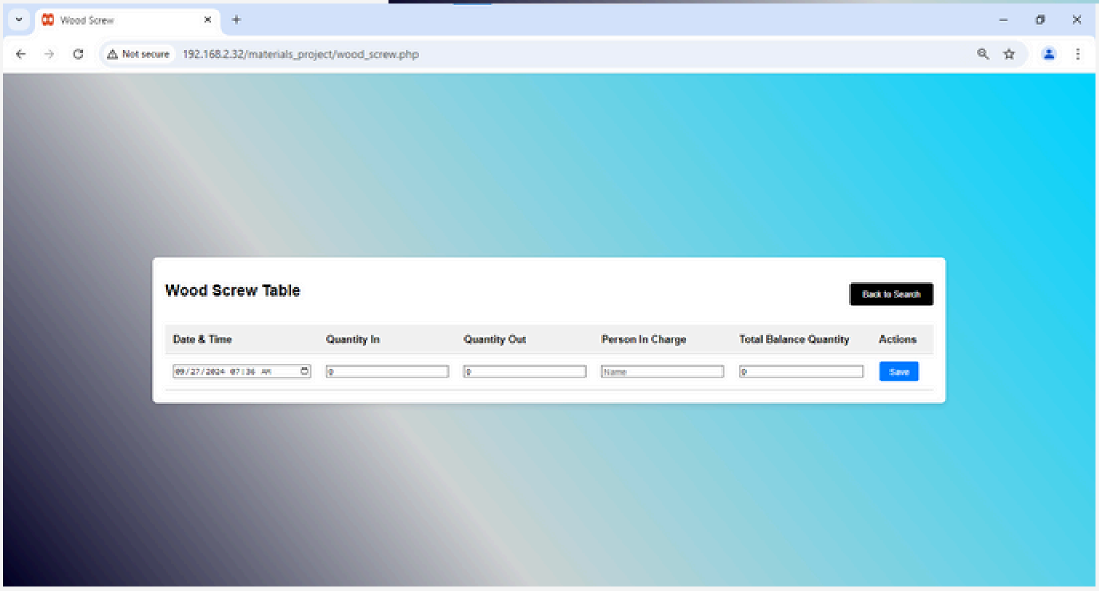
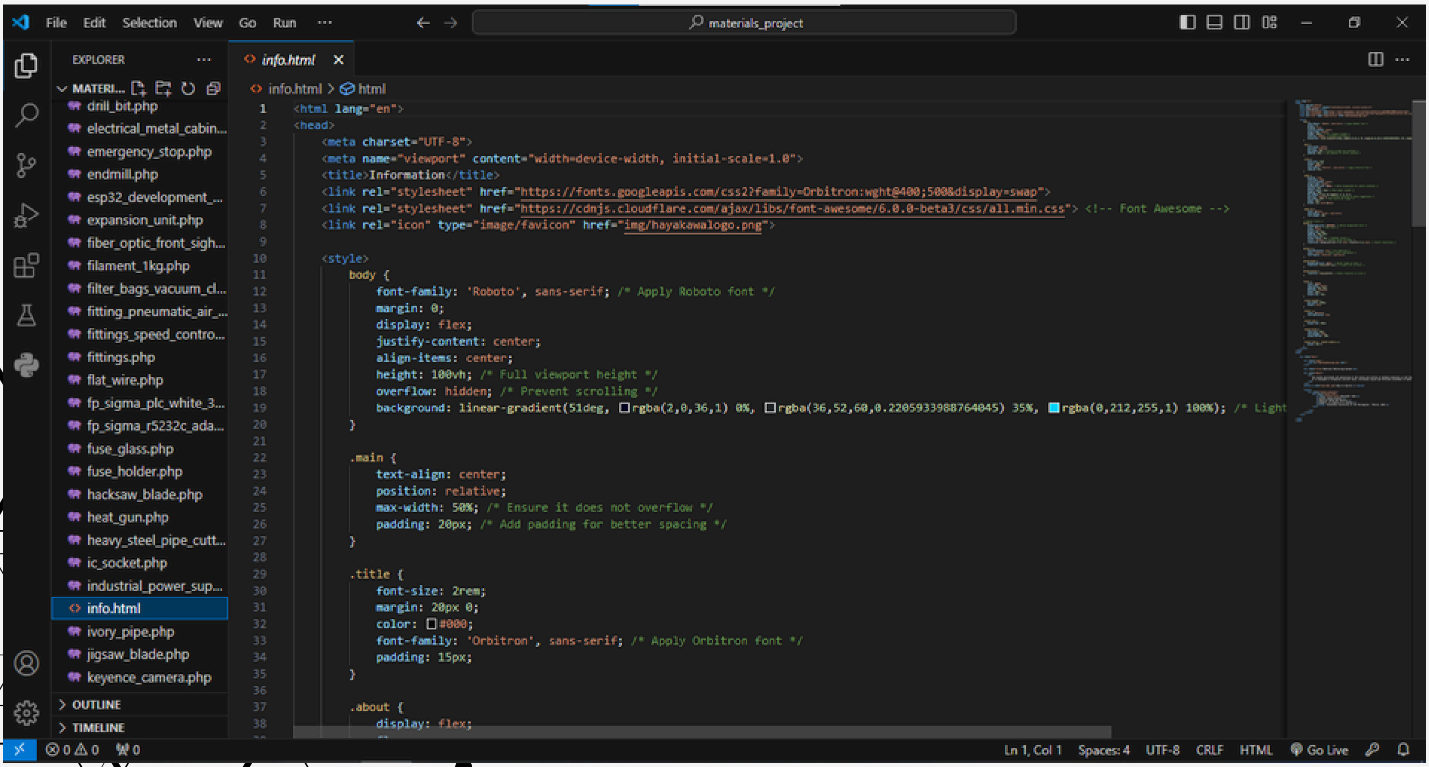


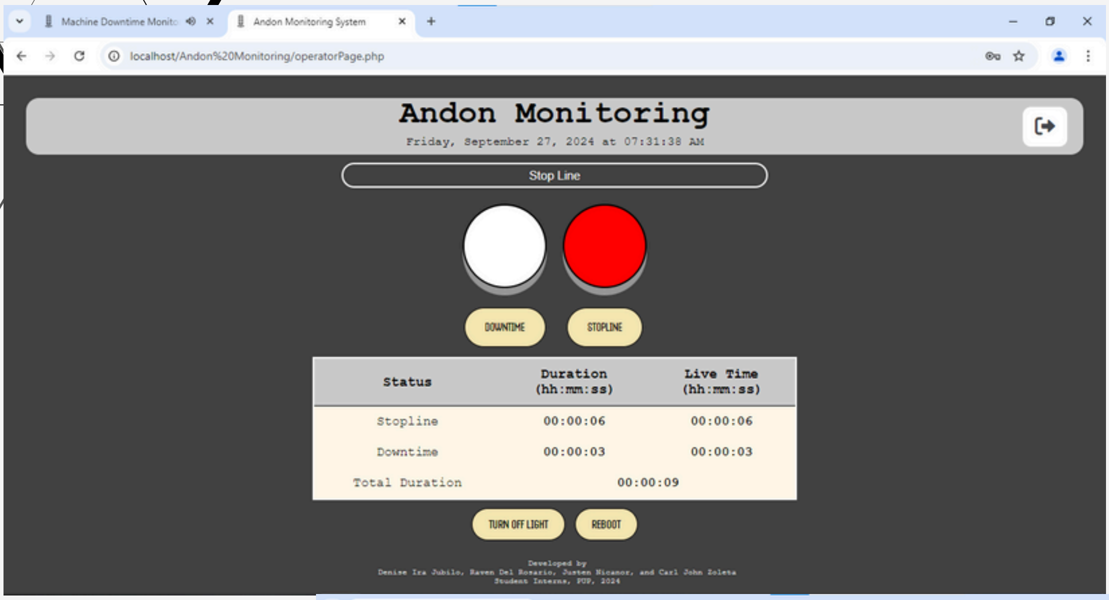
Wood Screw Table

Date & Time	Quantity In	Quantity Out	Person In Charge	Total Balance Quantity	Actions
09/27/2024 07:36 AM	0	0	Name	0	Save



```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Information</title>
    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Orbitron:wght@400;500&display=swap">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css"> <!-- Font Awesome -->
    <link rel="icon" type="image/favicon" href="img/hayakawalogo.png">

    <style>
        body {
            font-family: 'Roboto', sans-serif; /* Apply Roboto font */
            margin: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh; /* Full viewport height */
            overflow: hidden; /* Prevent scrolling */
            background: linear-gradient(51deg, rgba(2,0,36,1) 0%, rgba(36,52,60,0.2205933988764045) 35%, rgba(0,212,255,1) 100%); /* Light
        }

        .main {
            text-align: center;
            position: relative;
            max-width: 50%; /* Ensure it does not overflow */
            padding: 20px; /* Add padding for better spacing */
        }

        .title {
            font-size: 2rem;
            margin: 20px 0;
            color: #000;
            font-family: 'Orbitron', sans-serif; /* Apply Orbitron font */
            padding: 15px;
        }

        .about {
            display: flex;
```

ANDON SYSTEM

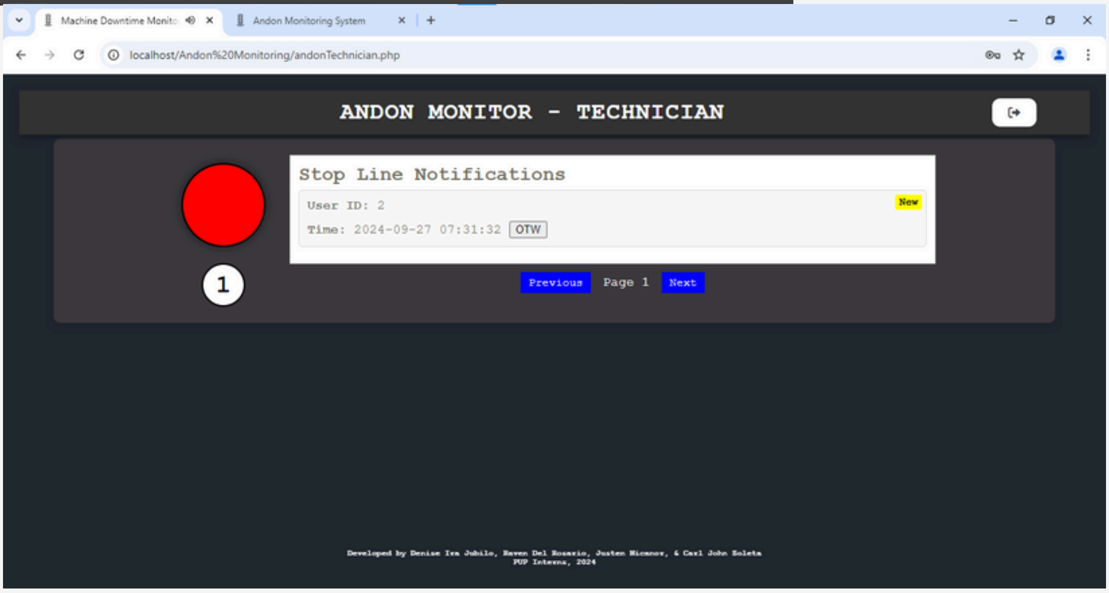


Andon Monitoring

Friday, September 27, 2024 at 07:31:38 AM

Status	Duration (hh:mm:ss)	Live Time (hh:mm:ss)
Stopline	00:00:06	00:00:06
Downtime	00:00:03	00:00:03
Total Duration	00:00:09	

Developed by
Denise Ira Jubilo, Raven Del Rosario, Justen Nicanor, and Carl John Zoleta
Student Interns, PUP, 2024



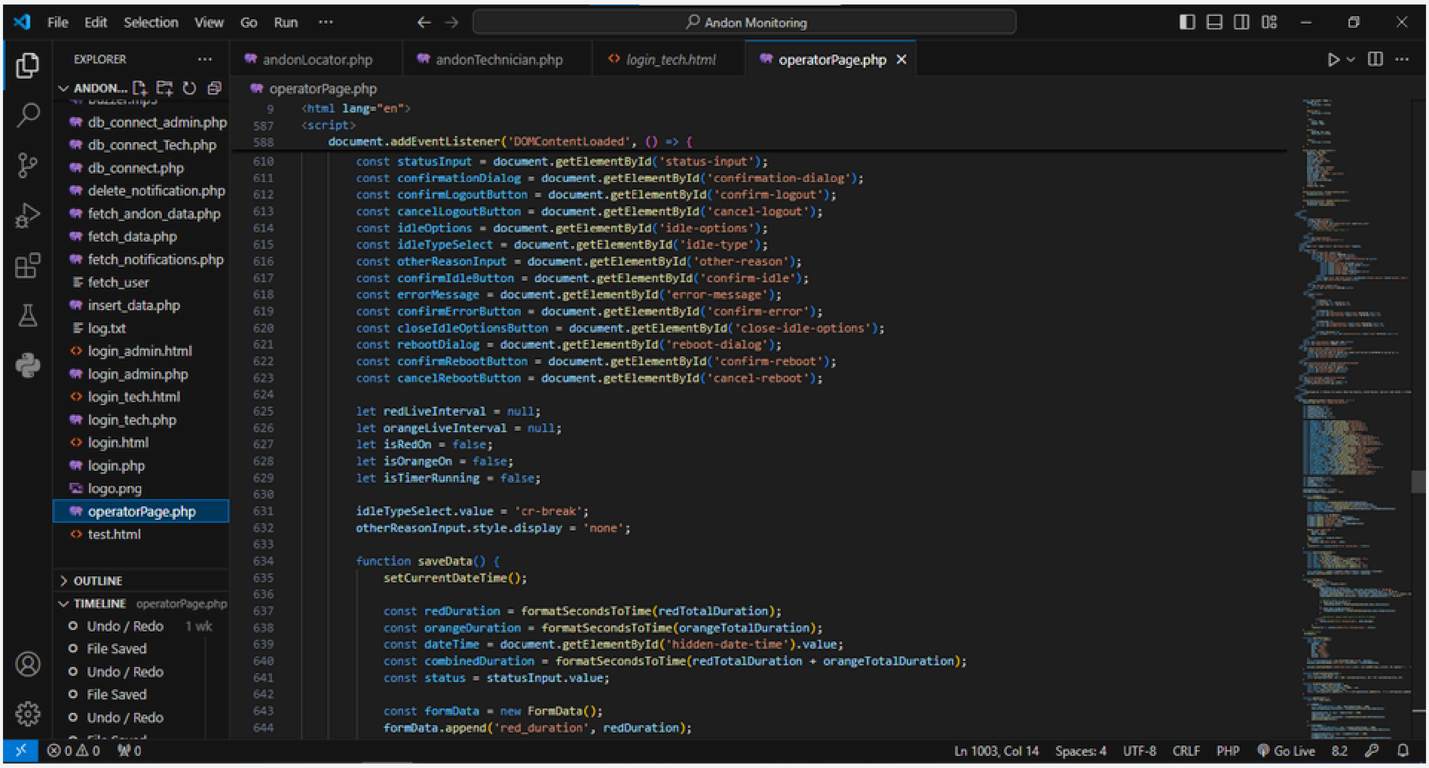
ANDON MONITOR - TECHNICIAN

Stop Line Notifications

User ID: 2

Time: 2024-09-27 07:31:32

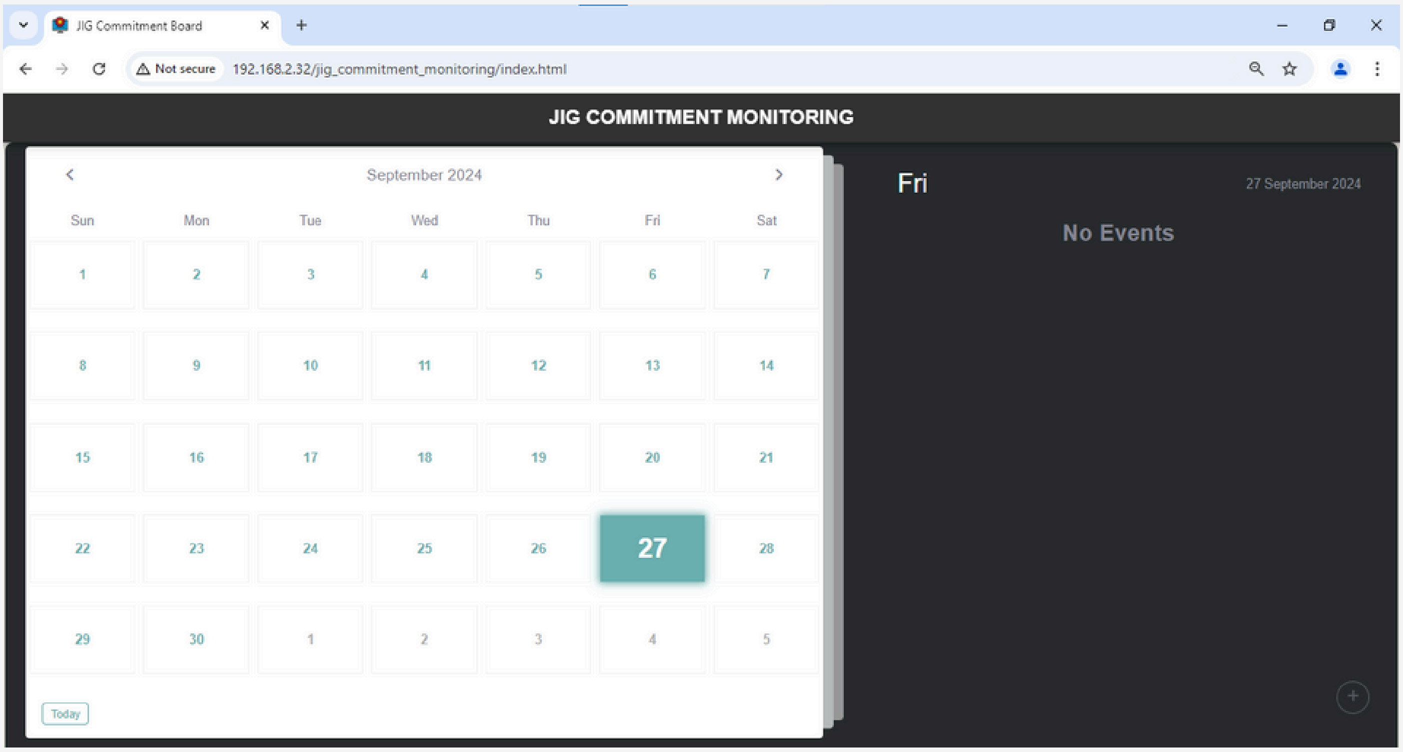
Developed by Denise Ira Jubilo, Raven Del Rosario, Justen Nicanor, & Carl John Zoleta
PUP Interns, 2024



```
<html lang="en">
<script>
    document.addEventListener('DOMContentLoaded', () => {
        const statusInput = document.getElementById('status-input');
        const confirmationDialog = document.getElementById('confirmation-dialog');
        const confirmLogoutButton = document.getElementById('confirm-logout');
        const cancelLogoutButton = document.getElementById('cancel-logout');
        const idleOptions = document.getElementById('idle-options');
        const idleTypeSelect = document.getElementById('idle-type');
        const otherReasonInput = document.getElementById('other-reason');
        const confirmIdleButton = document.getElementById('confirm-idle');
        const errorMessage = document.getElementById('error-message');
        const confirmErrorButton = document.getElementById('confirm-error');
        const closeIdleOptionsButton = document.getElementById('close-idle-options');
        const rebootDialog = document.getElementById('reboot-dialog');
        const confirmRebootButton = document.getElementById('confirm-reboot');
        const cancelRebootButton = document.getElementById('cancel-reboot');

        let redLiveInterval = null;
        let orangeLiveInterval = null;
        let isRedOn = false;
        let isOrangeOn = false;
        let isTimerRunning = false;

        idleTypeSelect.value = 'cr-break';
        otherReasonInput.style.display = 'none';

        function saveData() {
            setCurrentDateTime();

            const redDuration = formatSecondsToTime(redTotalDuration);
            const orangeDuration = formatSecondsToTime(orangeTotalDuration);
            const dateTime = document.getElementById('hidden-date-time').value;
            const combinedDuration = formatSecondsToTime(redTotalDuration + orangeTotalDuration);
            const status = statusInput.value;

            const formData = new FormData();
            formData.append('red_duration', redDuration);
```

JIG COMMITMENT MONITORING BOARD

* this website is in slideshow



JIG COMMITMENT MONITORING

September 2024

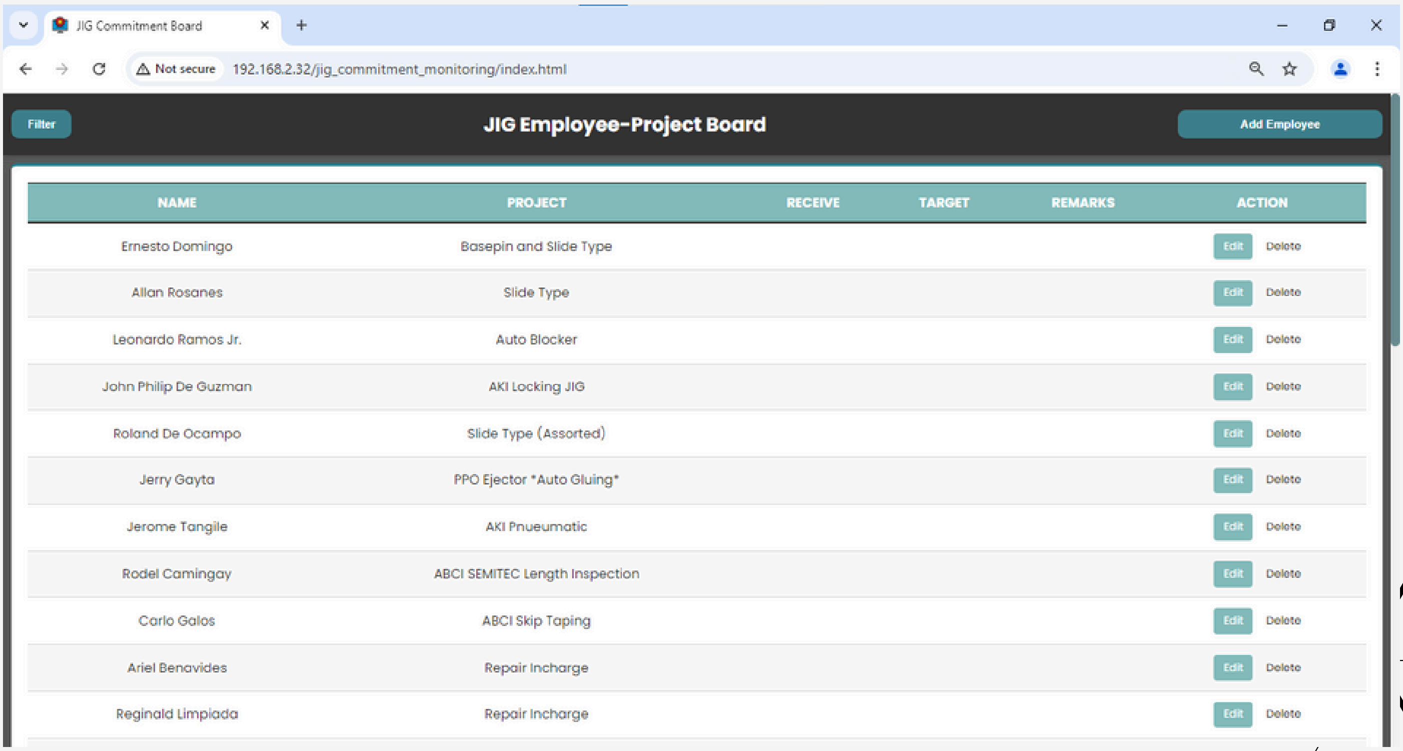
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Today

Fri 27 September 2024

No Events

Calendar Commitment Board

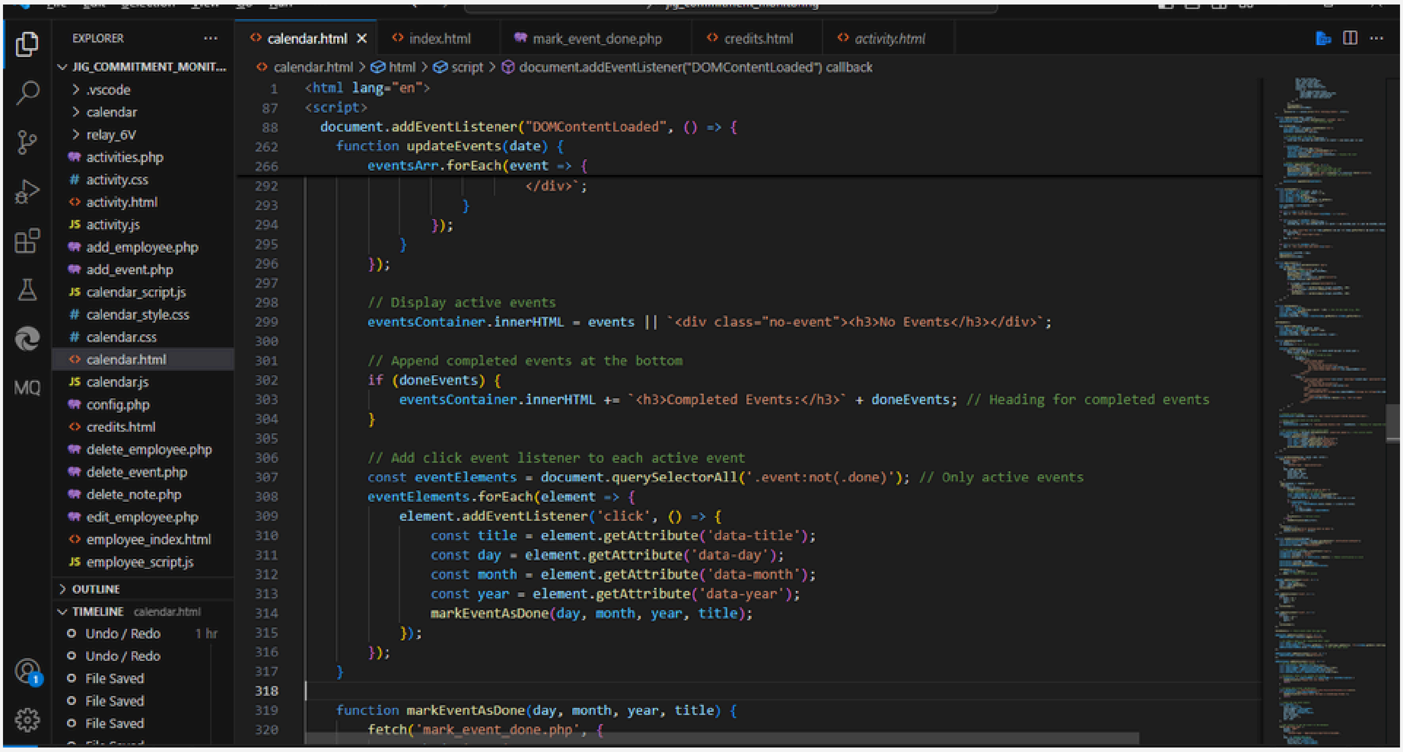


JIG Employee-Project Board

NAME	PROJECT	RECEIVE	TARGET	REMARKS	ACTION
Ernesto Domingo	Basepin and Slide Type				Edit Delete
Allan Rosanes	Slide Type				Edit Delete
Leonardo Ramos Jr.	Auto Blocker				Edit Delete
John Philip De Guzman	AKI Locking JIG				Edit Delete
Roland De Ocampo	Slide Type (Assorted)				Edit Delete
Jerry Gayta	PPO Ejector *Auto Gluing*				Edit Delete
Jerome Tangile	AKI Pnueumatic				Edit Delete
Rodel Camingay	ABCI SEMITEC Length Inspection				Edit Delete
Carlo Galos	ABCI Skip Taping				Edit Delete
Ariel Benavides	Repair Incharge				Edit Delete
Reginald Limpiada	Repair Incharge				Edit Delete

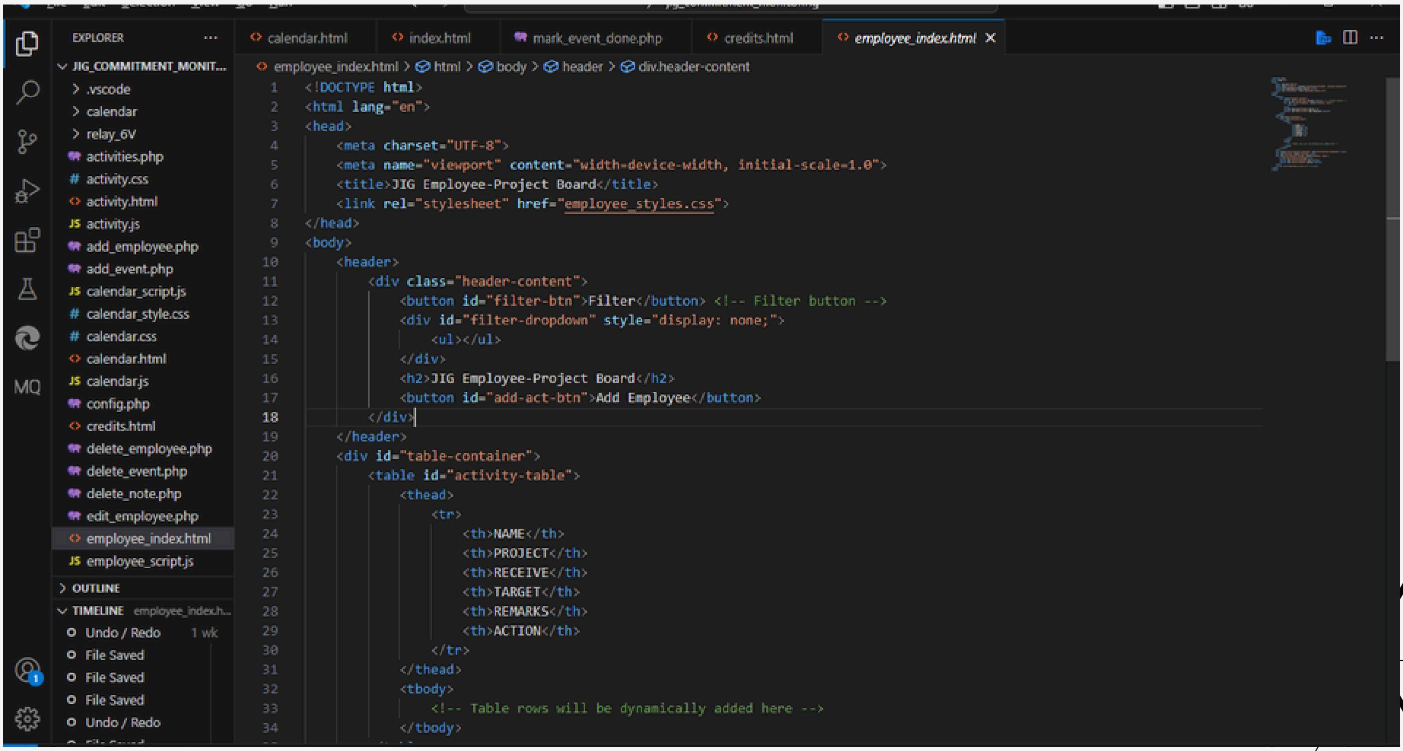
Employee List

JIG COMMITMENT MONITORING BOARD



```
<html lang="en">
<script>
  document.addEventListener("DOMContentLoaded", () => {
    function updateEvents(date) {
        eventsArr.forEach(event => {
                                    </div>`;
                            }
                        });
                }
        });

        // Display active events
        eventsContainer.innerHTML = events || `<div class="no-event"><h3>No Events</h3></div>`;

        // Append completed events at the bottom
        if (doneEvents) {
            eventsContainer.innerHTML += `<h3>Completed Events:</h3>` + doneEvents; // Heading for completed events
        }

        // Add click event listener to each active event
        const eventElements = document.querySelectorAll('.event:not(.done)'); // Only active events
        eventElements.forEach(element => {
            element.addEventListener('click', () => {
                const title = element.getAttribute('data-title');
                const day = element.getAttribute('data-day');
                const month = element.getAttribute('data-month');
                const year = element.getAttribute('data-year');
                markEventAsDone(day, month, year, title);
            });
        });
    }

    function markEventAsDone(day, month, year, title) {
        fetch('mark_event_done.php', {
```

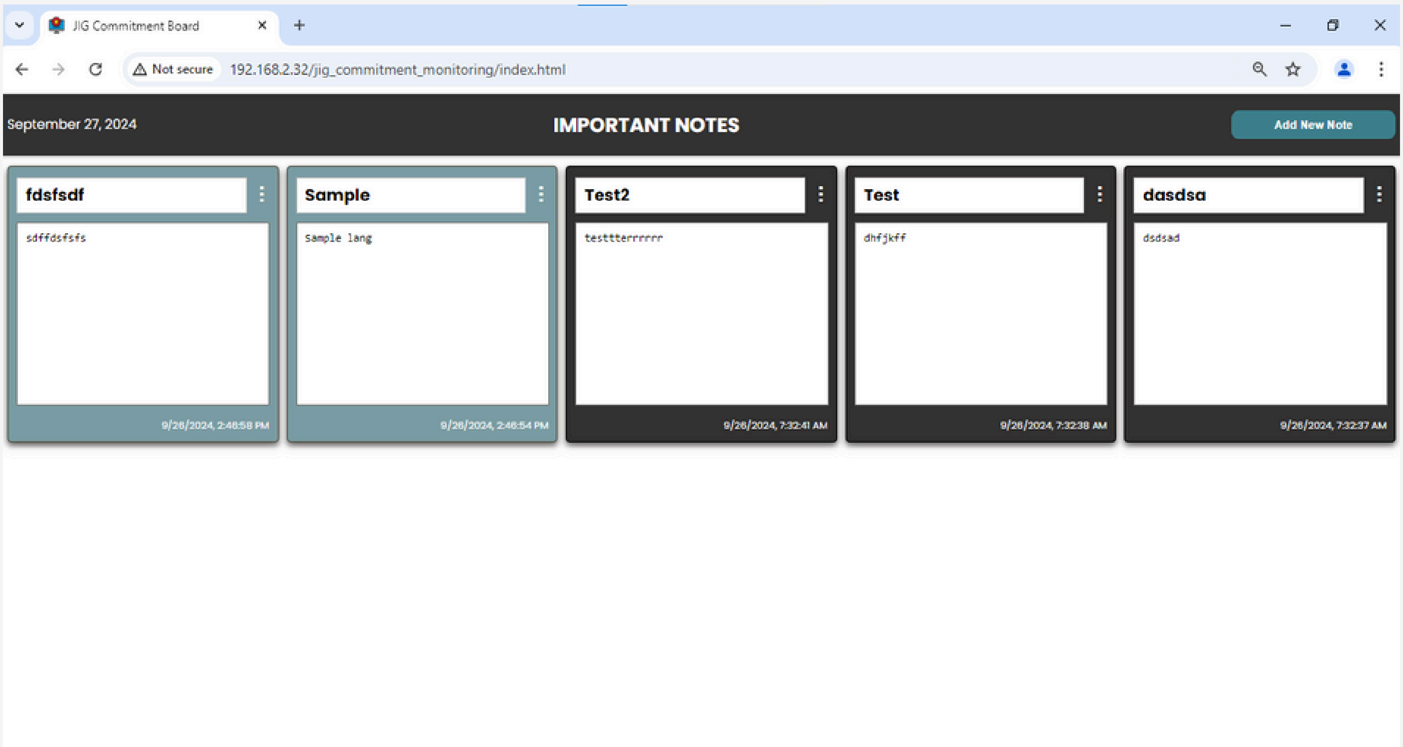
Calendar Commitment Board



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>JIG Employee-Project Board</title>
    <link rel="stylesheet" href="employee_styles.css">
</head>
<body>
    <header>
        <div class="header-content">
            <button id="filter-btn">Filter</button> <!-- Filter button -->
            <div id="filter-dropdown" style="display: none;">
                <ul></ul>
            </div>
            <h2>JIG Employee-Project Board</h2>
            <button id="add-act-btn">Add Employee</button>
        </div>
    </header>
    <div id="table-container">
        <table id="activity-table">
            <thead>
                <tr>
                    <th>NAME</th>
                    <th>PROJECT</th>
                    <th>RECEIVE</th>
                    <th>TARGET</th>
                    <th>REMARKS</th>
                    <th>ACTION</th>
                </tr>
            </thead>
            <tbody>
                <!-- Table rows will be dynamically added here -->
            </tbody>
```

Employee List

JIG COMMITMENT MONITORING BOARD



September 27, 2024

IMPORTANT NOTES

fdsfsdf

sdffdsfsfs

9/26/2024, 2:46:58 PM

Sample

Sample lang

9/26/2024, 2:46:54 PM

Test2

testtterrrrrr

9/26/2024, 7:32:41 AM

Test

dhfjkff

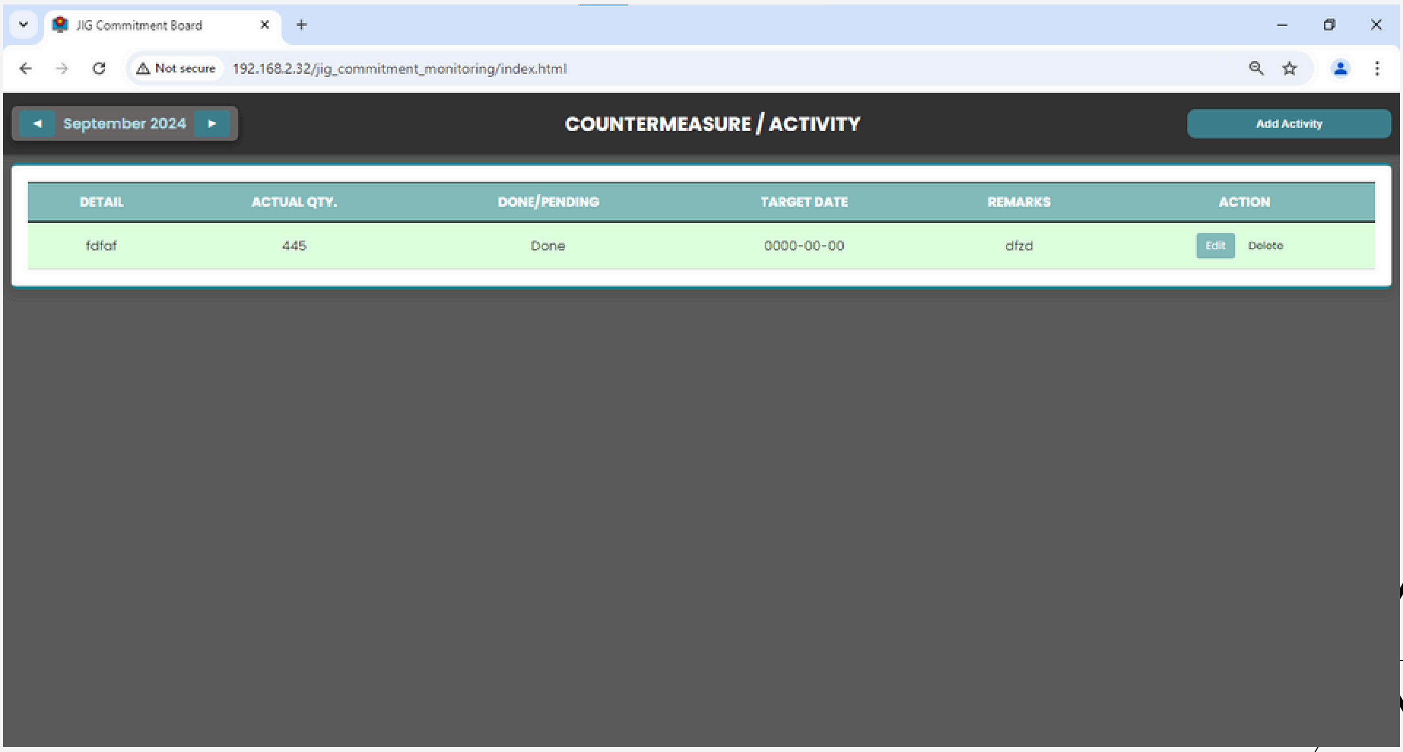
9/26/2024, 7:32:38 AM

dasdsa

dsdsad

9/26/2024, 7:32:37 AM

Important Notes



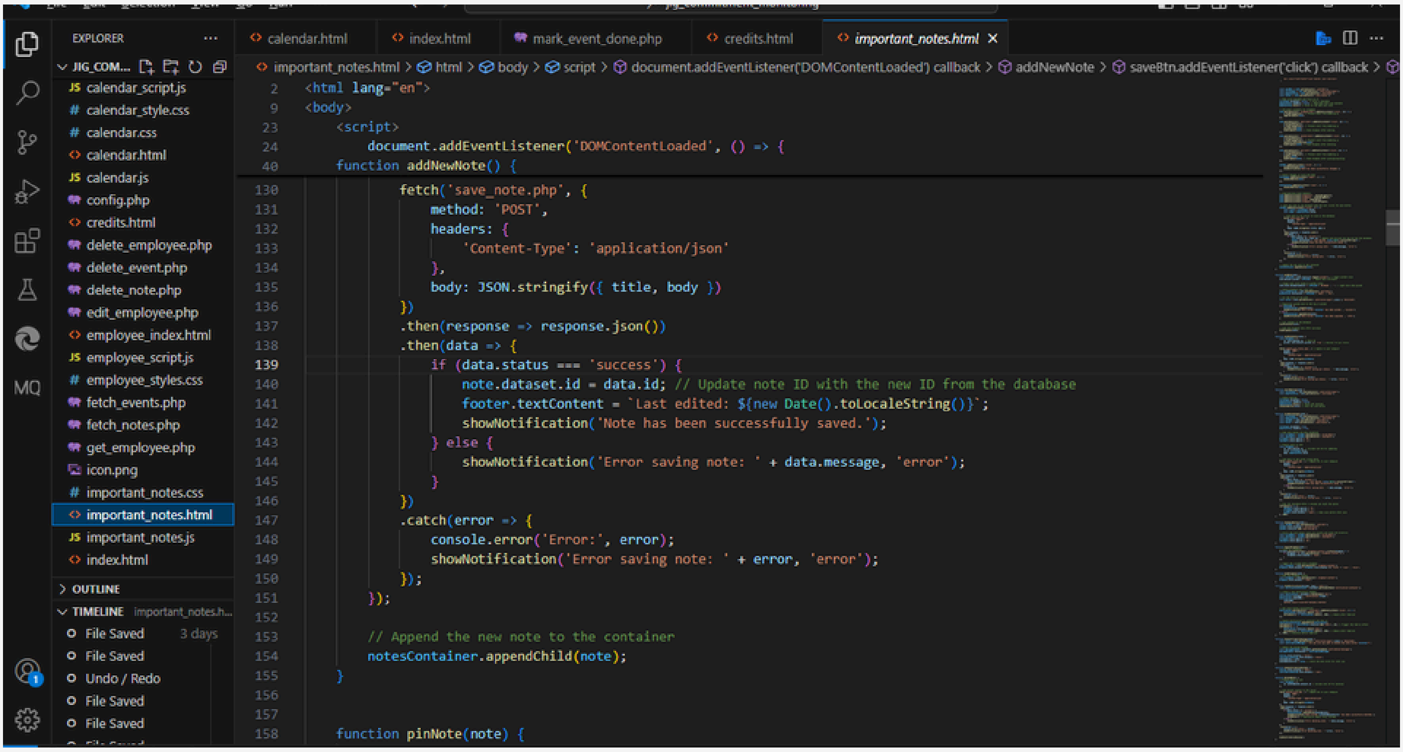
September 2024

COUNTERMEASURE / ACTIVITY

DETAIL	ACTUAL QTY.	DONE/PENDING	TARGET DATE	REMARKS	ACTION
fdfaf	445	Done	0000-00-00	dfzd	Edit Delete

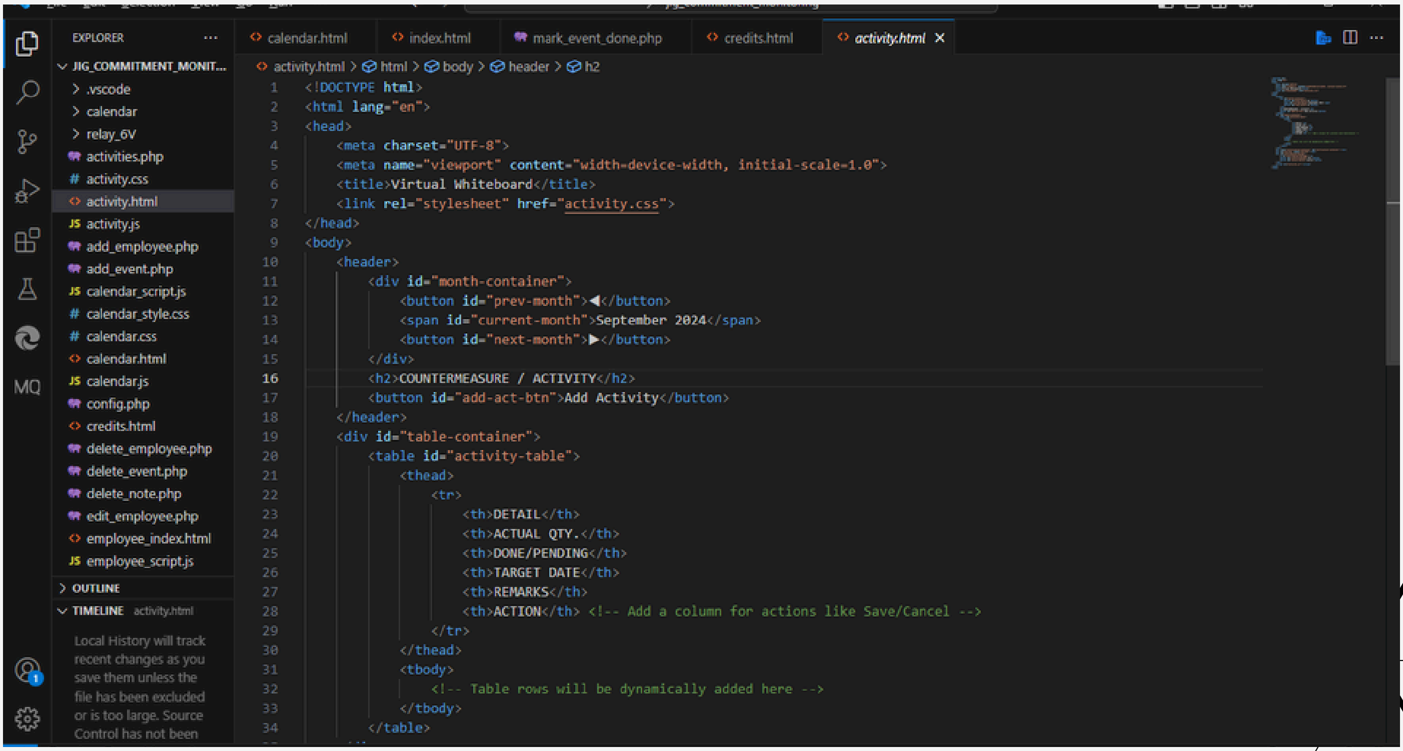
Countermeasure

JIG COMMITMENT MONITORING BOARD



```
<html lang="en">
<body>
    <script>
        document.addEventListener('DOMContentLoaded', () => {
    function addNewNote() {
                fetch('save_note.php', {
                    method: 'POST',
                    headers: {
                        'Content-Type': 'application/json'
                    },
                    body: JSON.stringify({ title, body })
                })
                .then(response => response.json())
                .then(data => {
                    if (data.status === 'success') {
                        note.dataset.id = data.id; // Update note ID with the new ID from the database
                        footer.textContent = `Last edited: ${new Date().toLocaleString()}`;
                        showNotification('Note has been successfully saved.');
                    } else {
                        showNotification('Error saving note: ' + data.message, 'error');
                    }
                })
                .catch(error => {
                    console.error('Error:', error);
                    showNotification('Error saving note: ' + error, 'error');
                });
            });

            // Append the new note to the container
            notesContainer.appendChild(note);
        }


    function pinNote(note) {
```

Important Notes



Local History will track recent changes as you save them unless the file has been excluded or is too large. Source Control has not been

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Virtual Whiteboard</title>
    <link rel="stylesheet" href="activity.css">
</head>
<body>
    <header>
        <div id="month-container">
            <button id="prev-month">◀</button>
            <span id="current-month">September 2024</span>
            <button id="next-month">▶</button>
        </div>
        <h2>COUNTERMEASURE / ACTIVITY</h2>
        <button id="add-act-btn">Add Activity</button>
    </header>
    <div id="table-container">
        <table id="activity-table">
            <thead>
                <tr>
                    <th>DETAIL</th>
                    <th>ACTUAL QTY.</th>
                    <th>DONE/PENDING</th>
                    <th>TARGET DATE</th>
                    <th>REMARKS</th>
                    <th>ACTION</th> <!-- Add a column for actions like Save/Cancel -->
                </tr>
            </thead>
            <tbody>
                <!-- Table rows will be dynamically added here -->
            </tbody>
        </table>
```

Countermeasure

MR. ESTELLA AND MR. KALAW - OUR SUPERVISOR AND MANAGER

MR. UCHIDA - OUR JAPANESE ADVISER

WORKPLACE