

# WAPH-web Application programming and Hacking

**Instructor: Dr. Phu Phung**

## Sprint 0

### Team Memebers

1. Ragini, Chamakura
2. Sreeja, Bodanapu
3. Akhil Kumar Yadav, Markoll

### Project Management Information

Source code repository (private access): <https://github.com/waph-team12>

Project homepage (public): <https://github.com/waph-team12/waph-team12.github.io>

### Revision History

Date	Version	Description
24/03/2024	0.0	Init draft

### Overview

For this initial sprint, we have done setup for team project, this includes setting up SSL, HTTPS domains for the project. Also did a simple database setup with a baisc login system

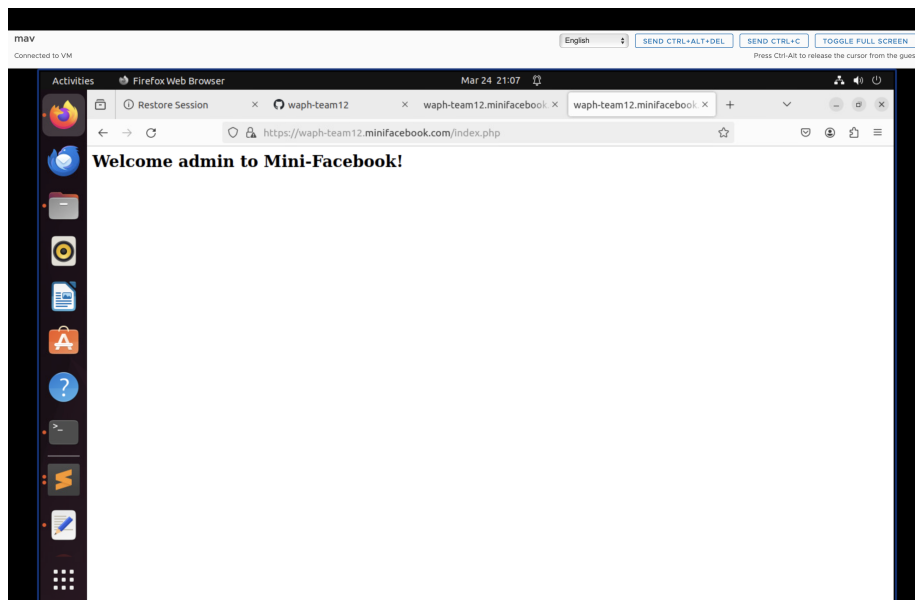
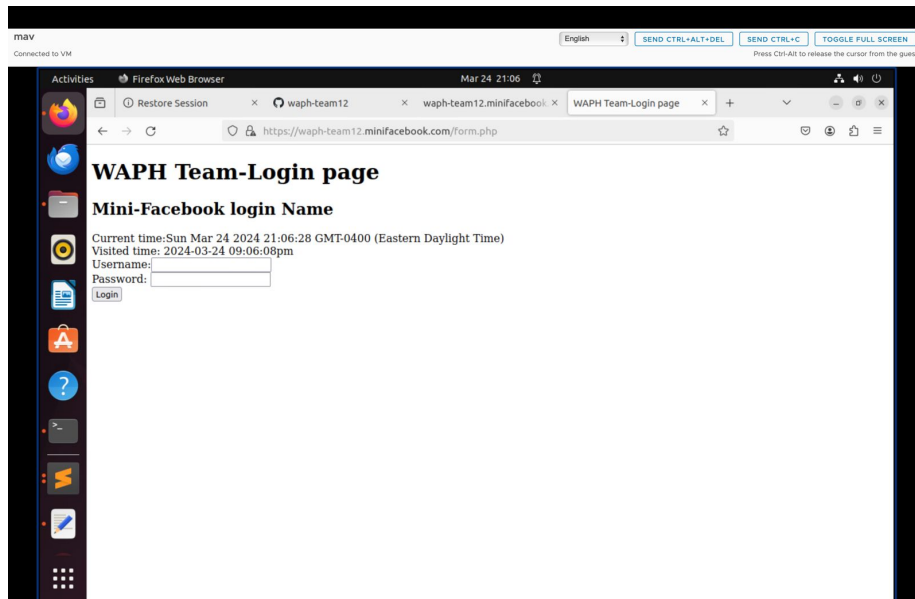
### System Analysis

#### High-level Requirements

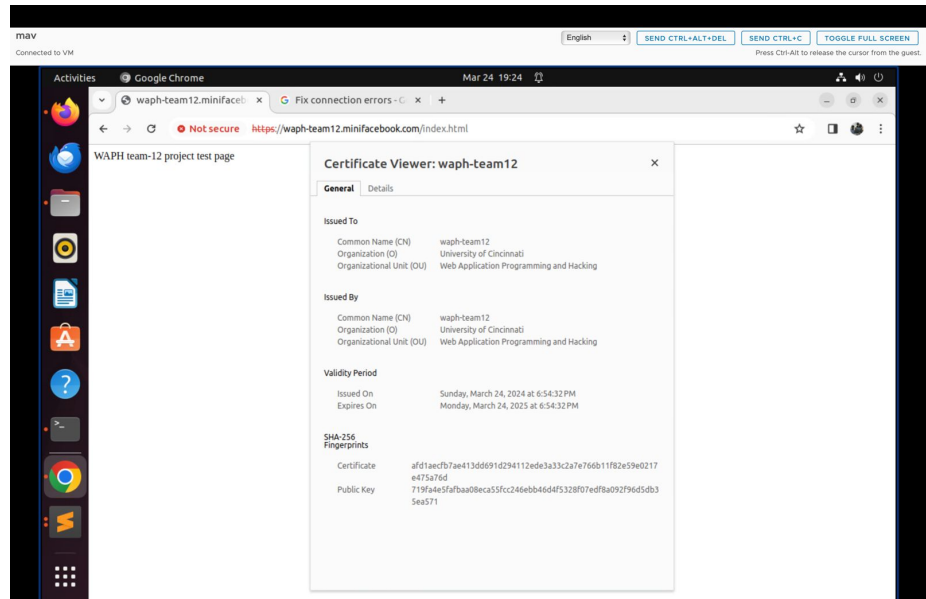
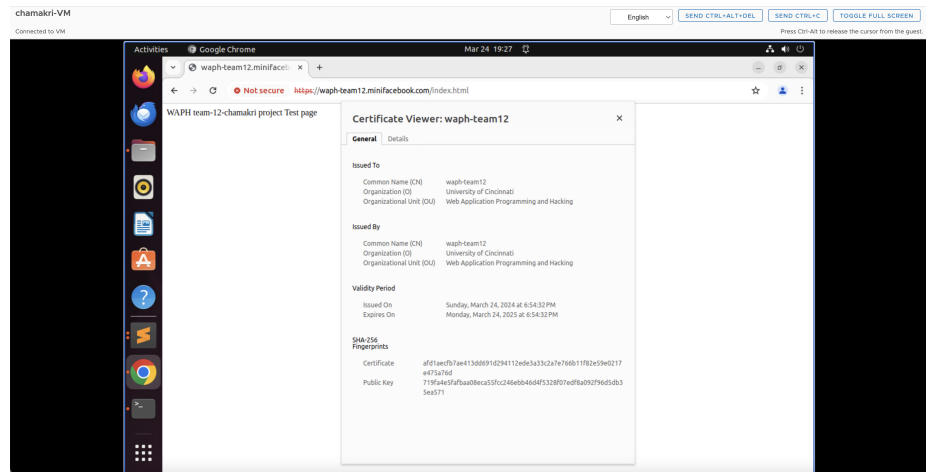
Will be creating a Mini-Facebook system, for users to have ability to login, message other users, post content and comment on other posts

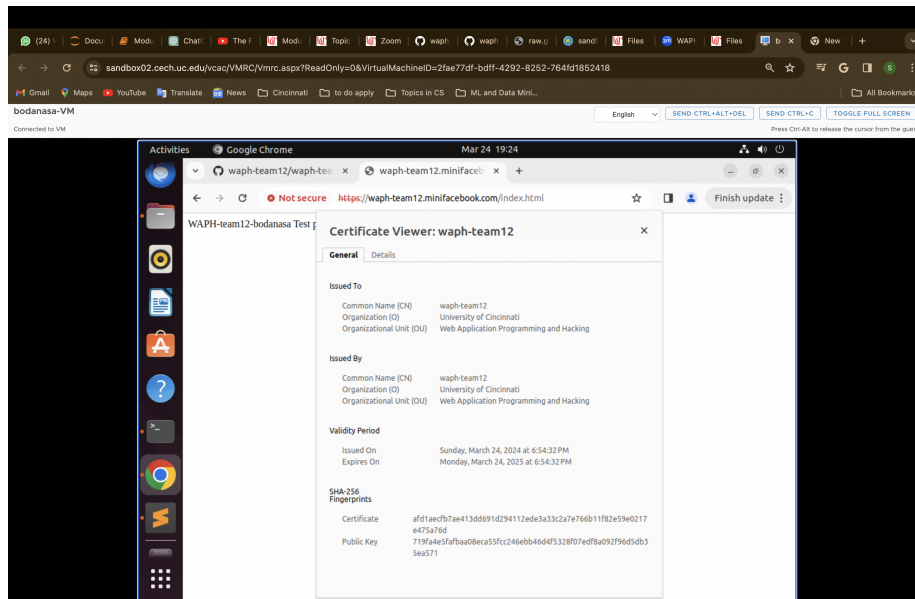
### Demo (screenshots)

Below screenshots depict the proces of login system that is working on HTTPS team's local domain



Screenshot demos of index.html of each team member on HTTPS team's local domain





## Software Process Management

We are using Agile methodologies here where complete project is divided into Sprints, with requirements divided for each sprint. These requirements are divided among team members to complete their sprint tasks.

### Scrum process

#### Sprint 0

Duration: 18/03/2024-24/03/2024

#### Completed Tasks:

1. Created organization with repositories needed for team project
2. Did SSL, HTTPS setup for this project
3. Created Database with users, messages, send and receive tables
4. Create a simple login system with form.php and index.php

#### Contributions:

1. Member 1, created private repository, updated index.html, SSL key creation, Simple login system
2. Member 2, created public repository, updated index.html, Database account creation
3. Member 3, updated README file, updated index.html, Database data and tables creation

### Sprint Retrospection:

Good	Could have been better	How to improve?
Since this is first sprint, got to know team members and team had good coordination	Time Management	

## Appendix

Code of database/database-account.sql:

```
create database waph_team;  
CREATE USER 'waph-team12'@'localhost' IDENTIFIED BY 'Pa$$wOrd';  
GRANT ALL ON waph_team.* TO 'waph-team12'@'localhost';
```

Code of database/database-data.sql:

```
DROP TABLE IF EXISTS users;  
  
CREATE TABLE users (  
    username VARCHAR(50) PRIMARY KEY,  
    password VARCHAR(100) NOT NULL  
);  
  
LOCK TABLES users WRITE;  
INSERT INTO users (username, password) VALUES ('admin', MD5('admin'));  
UNLOCK TABLES;  
  
DROP TABLE IF EXISTS messages;  
  
CREATE TABLE messages (  
    message_ID VARCHAR(50) PRIMARY KEY,  
    content VARCHAR(100) NOT NULL,  
    time_stamp VARCHAR(100) NOT NULL,  
    type VARCHAR(100) NOT NULL  
);  
  
LOCK TABLES messages WRITE;  
INSERT INTO messages VALUES ('1', 'First Message', '24-03-2024', 'info');  
UNLOCK TABLES;
```

```

CREATE TABLE sends (
    sender_username VARCHAR(100),
    message_ID VARCHAR(50),
    FOREIGN KEY (sender_username) REFERENCES users(username),
    FOREIGN KEY (message_ID) REFERENCES messages(message_ID),
    PRIMARY KEY (sender_username, message_ID)
);

CREATE TABLE received (
    receiver_username VARCHAR(100),
    message_ID VARCHAR(50),
    FOREIGN KEY (receiver_username) REFERENCES users(username),
    FOREIGN KEY (message_ID) REFERENCES messages(message_ID),
    PRIMARY KEY (receiver_username, message_ID)
);

```

Code of form.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>WAPH Team-Login page</title>
    <script type="text/javascript">
        function displayTime() {
            document.getElementById('digit-clock').innerHTML = "Current time:" + new Date();
        }
        setInterval(displayTime,500);
    </script>
</head>
<body>
    <h1>WAPH Team-Login page</h1>
    <h2>Mini-Facebook login Name</h2>
    <div id="digit-clock"></div>
    <?php
        //some code here
        echo "Visited time: " . date("Y-m-d h:i:sa")
    ?>
    <form action="index.php" method="POST" class="form login">
        Username:<input type="text" class="text_field" name="username" /> <br>
        Password:<input type="password" class="text_field" name="password" /> <br>
        <button class="button" type="submit">Login</button>
    </form>
</body>
</html>

```

Code of index.php

```
<?php
    session_start();
    if (checklogin_mysql($_POST["username"],$_POST["password"])) {
?>
        <h2> Welcome <?php echo htmlentities($_POST['username']); ?> to Mini-Facebook!</h2>
    <?php
    }else{
        echo "<script>alert('Invalid username/password');window.location='form.php';</script>";
        die();
    }

    function checklogin_mysql($username, $password) {
        $mysqli = new mysqli('localhost' , 'waph-team12',
            'Pa$$w0rd', 'waph_team');
        if ($mysqli->connect_errno)
        {
            printf("Database connection failed; %s\n", $mysqli->connect_errno);
            exit();
        }

        $prepared_sql = "SELECT * FROM users WHERE username = ? AND password = md5(?)";
        $stmt = $mysqli->prepare($prepared_sql);
        $stmt->bind_param("ss", $username, $password);
        $stmt->execute();
        $result = $stmt->get_result();

        if($result->num_rows ==1)
            return TRUE;
        return FALSE;
    }
?>
```