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Class: TY-IT-B **Batch**: 2

Date of Performance: 23/01/2025

Assignment No.2

Title: Use GAE launcher to launch the web applications (GAE launcher used to run the web application in single command)

Code:

main.py:

```
from flask import Flask, render_template_string, request


app = Flask(__name__)


html_template = """
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Page</title>
    <style>
        body {
            font-family: 'Arial', sans-serif;
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            background: linear-gradient(135deg, #74ebd5, #9face6);
            color: #333;
        }
```

```
.login {
    background: #ffffff;
    padding: 30px;
    border-radius: 20px;
    box-shadow: 0 10px 20px rgba(0, 0, 0, 0.2);
    width: 100%;
    max-width: 400px;
    text-align: center;
}
.login h1 {
    margin-bottom: 20px;
    font-size: 28px;
    color: #555;
}
.login form {
    display: flex;
    flex-direction: column;
    gap: 20px;
}
.login input {
    padding: 15px;
    border: 1px solid #ddd;
    border-radius: 10px;
    font-size: 18px;
    outline: none;
    transition: box-shadow 0.3s ease;
}
.login input:focus {
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}
.login button {
    padding: 15px;
```

```
            border: none;
            border-radius: 10px;
            font-size: 18px;
            background: #6c63ff;
            color: #fff;
            cursor: pointer;
            transition: background 0.3s ease, transform 0.2s ease;
        }
        .login button:hover {
            background: #574bff;
            transform: translateY(-3px);
        }
    </style>
</head>
<body>
    <div class="login">
        <h1>Login</h1>
        <form method="POST" action="/">
            <input type="text" name="username" placeholder="Username" required>
            <input type="password" name="password" placeholder="Password" required>
            <button type="submit">Login</button>
        </form>
    </div>
</body>
</html>
"""

@app.route("/", methods=["GET", "POST"])
def login():
    if request.method == "POST":
        username = request.form["username"]
        password = request.form["password"]
```

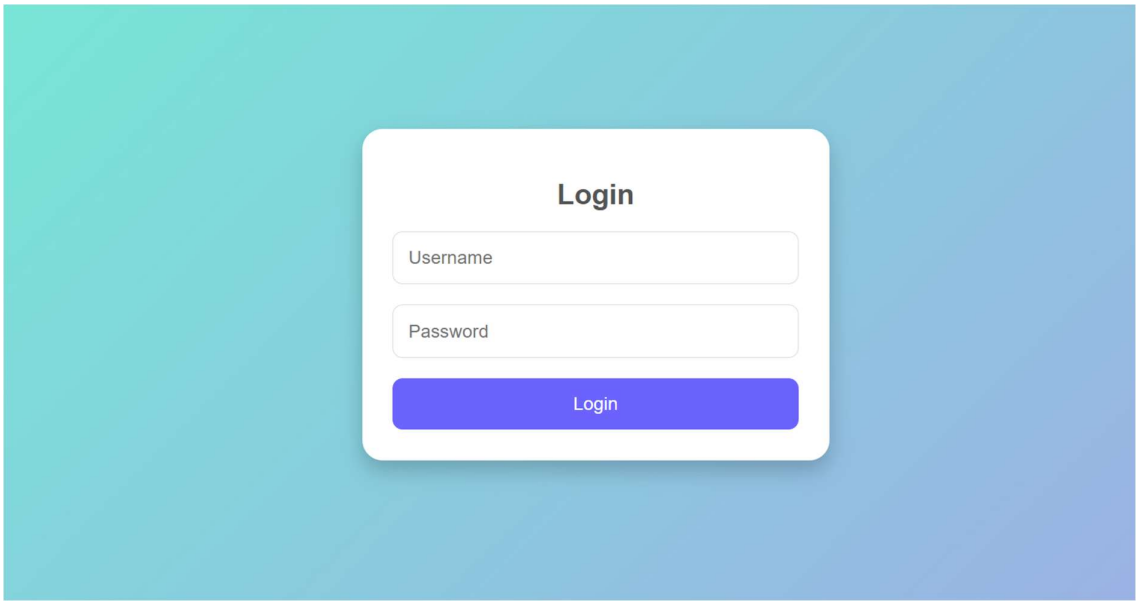
```
        # Logic for login validation can be added here
        return f"Welcome, {username}!"
    return render_template_string(html_template)

if __name__ == '__main__':
    app.run(debug=False)
```

app.yml:

```
runtime: python39
entrypoint: python main2.py
```

Requirements:

Flask ==3.0.0

Output: