ASSIGNMENT-005

1.) Smart Contract Development and Unit Testing using Truffle
Framework
Objective
Implement a simple Solidity Smart Contract and perform UNIT
Testing using Truffle to verify contract functionality.
Problem Statement (Equivalent to Given Cipher Practical)
Develop a basic Personal Portfolio Smart Contract that stores
and retrieves user profile data, and validate its behavior using
Truffle unit tests.
Requirements
Development Environment
• Install Node.js
• Install Truffle Framework
• Install Ganache (Local Blockchain)
• Use VS Code with:
o Solidity Extension
o JavaScript Extension

CODE:

```css
1   /* Reset */
2   * {
3       margin: 0;
4       padding: 0;
5       box-sizing: border-box;
6       font-family: 'Segoe UI', sans-serif;
7   }
8
9   /* Body */
10  body {
11      background: linear-gradient(to right, #1e3c72, #2a5298);
12      color: #333;
13  }
14
15  /* HOME SECTION */
16  header {
17      height: 100vh;
18      display: flex;
19      justify-content: center;
20      align-items: center;
21      text-align: center;
22      color: white;
23  }
24
25  header h1 {
26      font-size: 40px;
27      margin-bottom: 30px;
28  }
29
30  /* Navigation Buttons */
31  .hey {
32      padding: 12px 25px;
33      margin: 10px;
34      border: none;
35      border-radius: 25px;
36      background-color: white;
37      color: #2a5298;
38      font-size: 16px;
39      font-weight: bold;
40      cursor: pointer;
41      transition: 0.3s ease;
42  }
43
44  .hey:hover {
45      background-color: #ff9800;
46      color: white;
47      transform: scale(1.05);
48  }
49
50  /* Sections */
51  section {
52      display: none;
53      min-height: 100vh;
54      padding: 60px 20px;
55      background-color: #f4f6f9;
56      text-align: center;
57  }
```

```html
52          <!-- PROJECTS SECTION -->
53          <section id="Projects">
54              <h1>Projects</h1>
55              <table>
56                  <tr>
57                      <th>S No</th>
```

OUTPUT:

Contact Me

Name:

Enter your name

Email:

Enter your email

Gender:

○

Male

○

Female

Languages:

☐

C

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Java

Bio (max 200 words):

[ ]

Submit

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