

project Development Phase

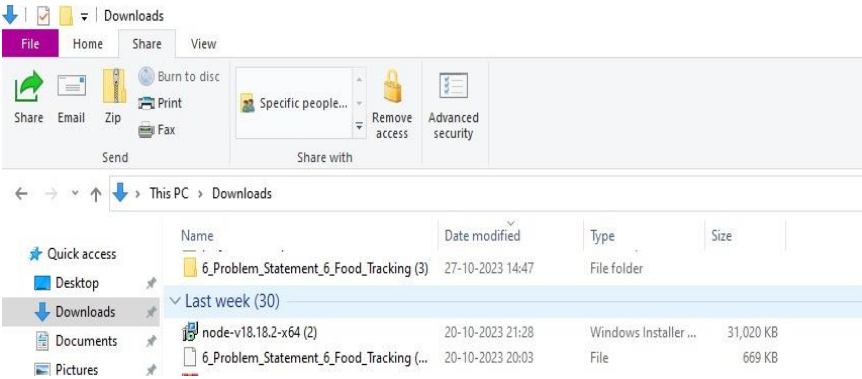
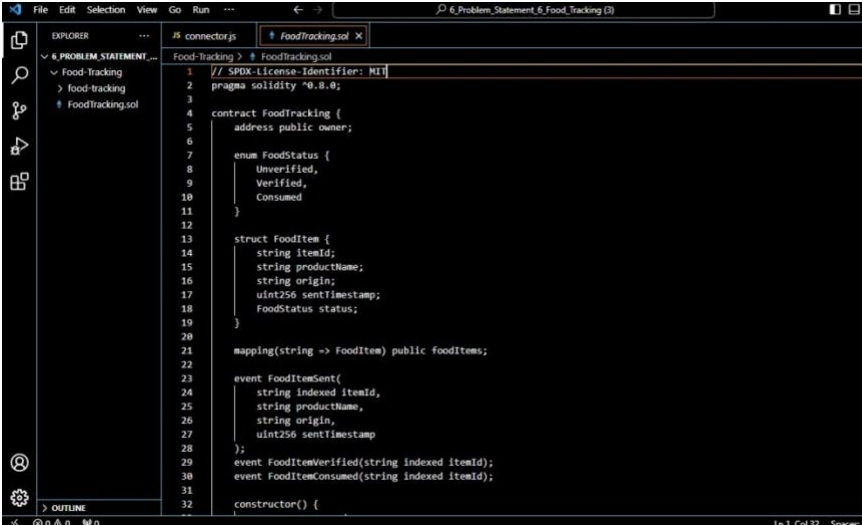
Model Performance Test

Date	25 october 2023
Team ID	NM2023TMID00531
Project Name	FOOD TRACKING SYSTEM
Maximum Marks	10 Marks

Model Performance Testing:

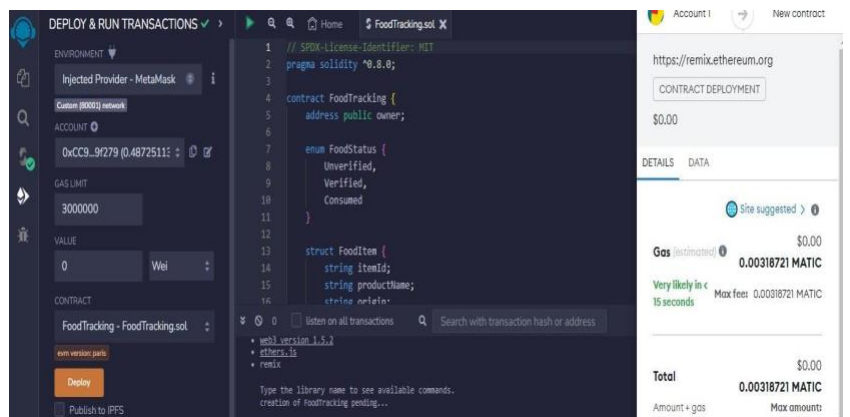
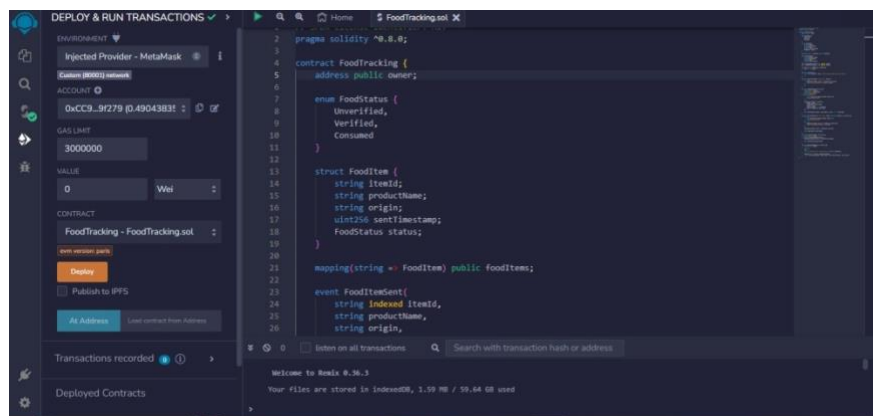
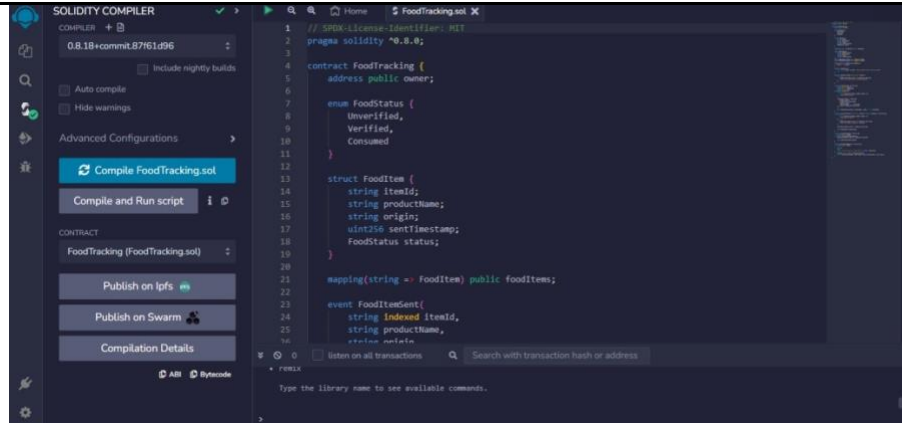
Project team shall fill the following information when working for blockchain.

S.N o.	Parameter	Values	Screenshot
-----------	-----------	--------	------------

2	Extract zip files	Open vs code	<div data-bbox="703 281 1560 657"></div> <div data-bbox="703 940 1560 1461"><pre data-bbox="876 1003 1193 1451">1 // SPDX-License-Identifier: MIT 2 pragma solidity ^0.8.0; 3 4 contract FoodTracking { 5 address public owner; 6 7 enum FoodStatus { 8 Unverified, 9 Verified, 10 Consumed 11 } 12 13 struct FoodItem { 14 string itemId; 15 string productName; 16 string origin; 17 uint256 sentTimestamp; 18 FoodStatus status; 19 } 20 21 mapping(string => FoodItem) public foodItems; 22 23 event FoodItemSent(24 string indexed itemId, 25 string productName, 26 string origin, 27 uint256 sentTimestamp 28); 29 event FoodItemVerified(string indexed itemId); 30 event FoodItemConsumed(string indexed itemId); 31 32 constructor() {</pre></div>
---	-------------------	--------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. Remix Ide
platform
exporting

Deploy the smart contract codeDeploy and run the transaction. By selecting the environmet – inject the MetaMask



DEPLOY & RUN TRANSACTIONS

ENVIRONMENT
Injected Provider - MetaMask
Custom (Rinkeby) network
ACCOUNT
0xCCC9...9f279 (0.48725111 ETH)
GAS LIMIT
3000000
VALUE
0 Wei
CONTRACT
FoodTracking - FoodTracking.sol
Deploy
Publish to IPFS

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract FoodTracking {
5     address public owner;
6
7     enum FoodStatus {
8         Unverified,
9         Verified,
10        Consumed
11    }
12
13    struct FoodItem {
14        string itemId;
15        string productName;
16        string retailer;
```

Details
DATA
Site suggested
Gas estimated 0.00318721 MATIC
Very likely in 15 seconds
Max fees: 0.00318721 MATIC
Total 0.00318721 MATIC
Amount + gas Max amount

DEPLOY & RUN TRANSACTIONS

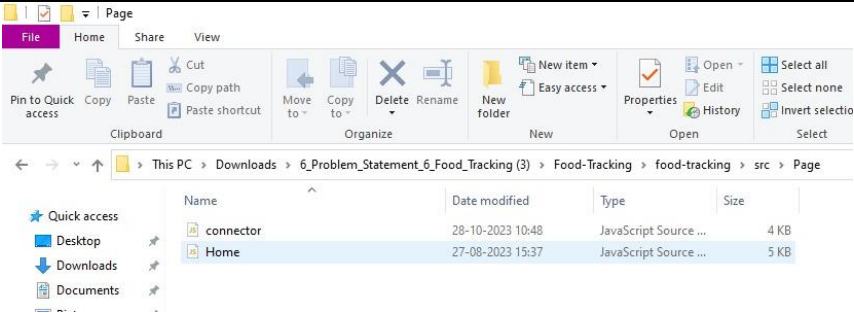
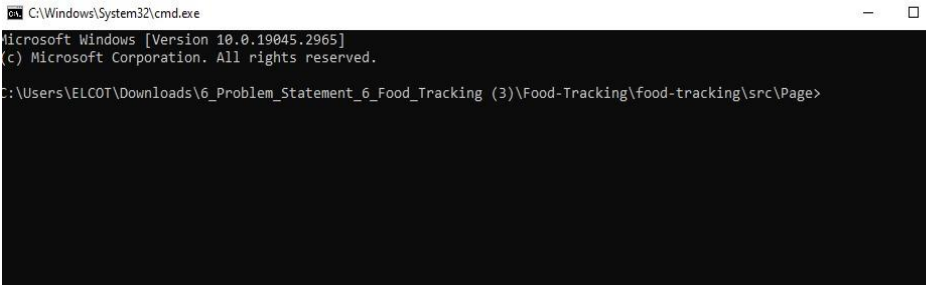
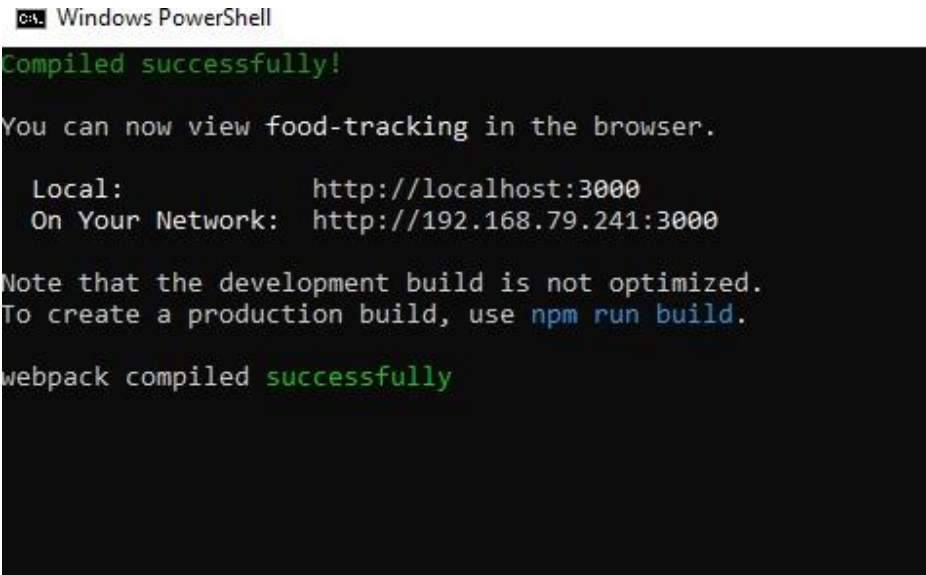
ENVIRONMENT
Injected Provider - MetaMask
Custom (Rinkeby) network
ACCOUNT
0xCCC9...9f279 (0.67768941 ETH)
GAS LIMIT
3000000
VALUE
0 Wei
CONTRACT
FoodTracking - FoodTracking.sol
Deploy
Publish to IPFS
As Address Load contract from Address

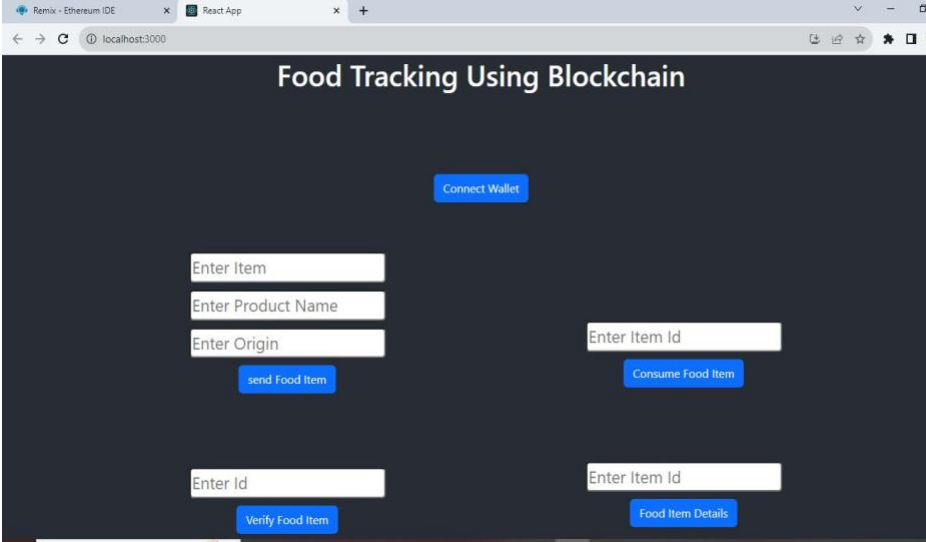
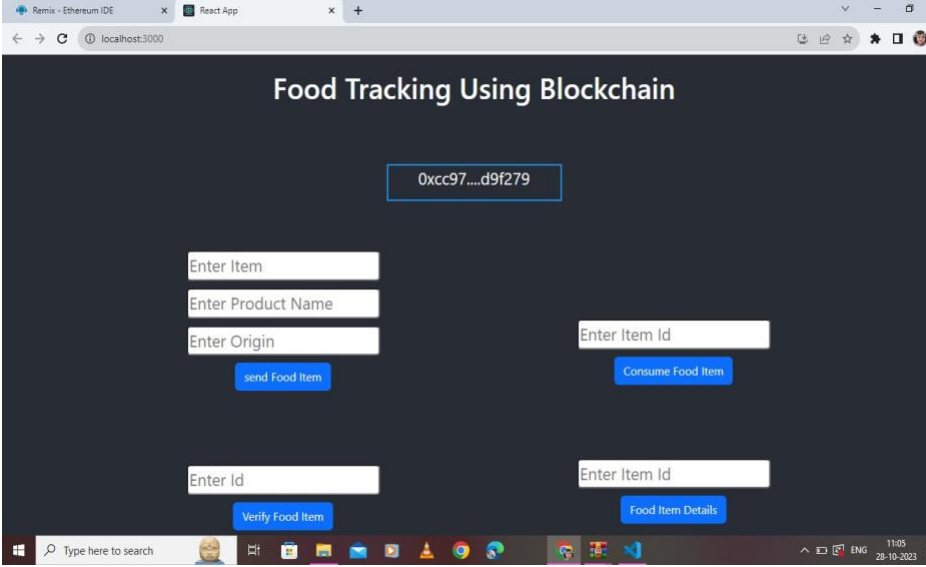
```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract FoodTracking {
5     address public owner;
6
7     enum FoodStatus {
8         Unverified,
9         Verified,
10        Consumed
11    }
12
13    struct FoodItem {
14        string itemId;
15        string productName;
16        string origin;
17        uint256 timestamp;
18        FoodStatus status;
19    }
20
21    mapping(string => FoodItem) public foodItems;
22
23    event FoodItemSent(
24        string indexed itemId,
25        string productName,
26        string retailer;
```

Transactions recorded
Run transactions using the latest compilation result
[black4174856 txIndex:5] From: 0xCCC9...9f279 to: FoodTracking (constructor) value: 0 wei data: 0x00...0000 logs: 0
hash: 0x0c...d400

Food-Tracking > src > Page > JS connector.js > @ address

```
183 }
184 ],
185 "stateMutability": "view",
186 "type": "function"
187 },
188 {
189     "inputs": [],
190     "name": "owner",
191     "outputs": [
192         {
193             "internalType": "address",
194             "name": "",
195             "type": "address"
196         }
197     ],
198     "stateMutability": "view",
199     "type": "function"
200 }
201 ]
202
203 if (!window.ethereum) {
204     alert('Meta Mask Not Found')
205     window.open("https://metamask.io/download/")
206 }
207
208 export const provider = new ethers.providers.Web3Provider(window.ethereum);
209 export const signer = provider.getSigner();
210 export const address = "0x22f75D328dA0a84Dc74d20961E0058873e5F6Cd";
211
212 export const contract = new ethers.Contract(address, abi, signer)
213
```

4	Open file explorer	<p>Open the extracted file and click on the folder.</p> <p>Open src, and search for utiles.</p> <p>Open cmd enter commands</p> <p>1.npm</p> <p>Install</p> <p>2.npm</p> <p>bootstrap</p> <p>3. npm</p> <p>start</p>	  
---	--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

5	{LOCALHOST IP ADDRESS	copy the address and open it to chrome so you can see the front end of your project.	 
---	-----------------------------	--------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------