

IBC Project Fall 20'

Group Name: FoodCapsule



Group Members:

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|-----------------------------|---------|
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Submitted To:

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Problem Statement:

Have you ever found yourself craving for some good dish but haven't got the proper recipe for the dish? And did you ever find yourself at a fancy restaurant because you are unable to cook the same quality food yourself, and even after paying those heavy, you aren't sure that you ate the authentic traditional dish? You only faced these problems because there isn't any mechanism to store these traditional artifacts and be accessible to everyone.

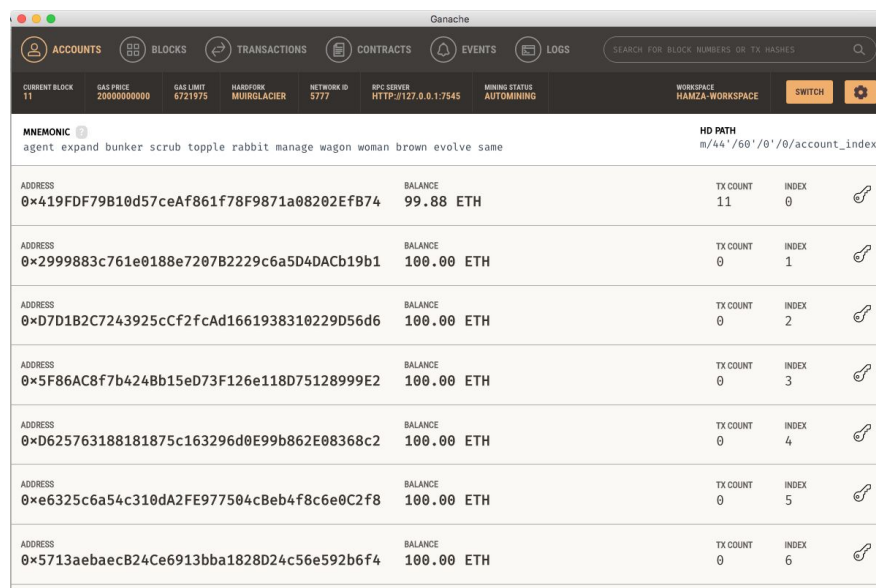
Our Solution:

Let us propose something. Suppose you're settled in Islamabad and one day you want to drink this "gur wali chai" which everyone in your social circle is talking about. While the thought of having "gur wali chai" in the cold weather makes you want to rush to your nearest store and have that special tea, but the idea of paying Rs. 250 for a single cup of tea and whether that will tea will be made out of "pure gur", still leaves a question in your mind. However, suppose if there was a website where all of the traditional or modern dish recipes are available within just 2-3 clicks and where the authenticity can also be backtracked till its date of origin, wouldn't that be a true lifesaver?

Well, this is our Blockchain Project "**FoodCapsule**", which will serve as a time capsule for these dishes. It will store every dish's recipe, date of origin, significance etc in a public blockchain, which will be accessible to everyone via **FoodCapsule's** website.

Technical Aspects:

1. The repository of FoodCapusle is linked with Ethereum Blockchain with a frontend designed using React Framework.
2. Ganache's blockchain is used to store the ledger.



The screenshot shows the Ganache desktop application interface. At the top, there's a navigation bar with tabs for ACCOUNTS, BLOCKS, TRANSACTIONS, CONTRACTS, EVENTS, and LOGS. Below this is a status bar displaying various metrics like CURRENT BLOCK, GAS PRICE, GAS LIMIT, HARDFORK, NETWORK ID, RPC URL, and MINING STATUS. The main area displays a list of accounts with columns for ADDRESS, BALANCE, TX COUNT, and INDEX. Each account entry includes a mnemonic phrase and an HD PATH.

ADDRESS	BALANCE	TX COUNT	INDEX
0x419FDF79B10d57ceAf861f78F9871a08202EfB74	99.88 ETH	11	0
0x2999883c761e0188e7207B2229c6a5D4DacB19b1	100.00 ETH	0	1
0xD7D1B2C7243925cCf2fcAd1661938310229D56d6	100.00 ETH	0	2
0x5F86AC8f7b424Bb15eD73F126e118D75128999E2	100.00 ETH	0	3
0xD625763188181875c163296d0E99b862E08368c2	100.00 ETH	0	4
0xe6325c6a54c310dA2FE977504cBeb4f8c6e0C2f8	100.00 ETH	0	5
0x5713aebaecB24Ce6913bba1828D24c56e592b6f4	100.00 ETH	0	6

[illegible]

3. Once “FoodCapsule.sol” is deployed, open a new terminal in the same project folder and start the react app using node package manager, by using the following command:


“npm run start”

4. When the FoodCapsule homepage is visible on your web browser, you’ll be presented with different functionality, which you can choose as per your wish.

GUI Screenshots:

Food Capsule

[Home](#) [Features](#) [Pricing](#)



Our

Menu

Wishes

Food Capsule Contributor

dish name

chiken karahi

Recipe

take chicken and marinate it with spices and after 2 hours cook it

Please enter recipe of dish.

History

invented during mughal time period

Please enter the history of dish(optional).

desi

Submit form



Name: aloo gobi
Origin: Ww-1
History: desi
Recipe: boiled water

Name: chicken karahi
Origin: invented during mughal time period
History: desi
Recipe: take chicken and marinate it with
spices and after 2 hours cook it

Good food

Asian

Western

====* The End *====