Ideation Phase
Brainstorm & Idea Prioritization Template
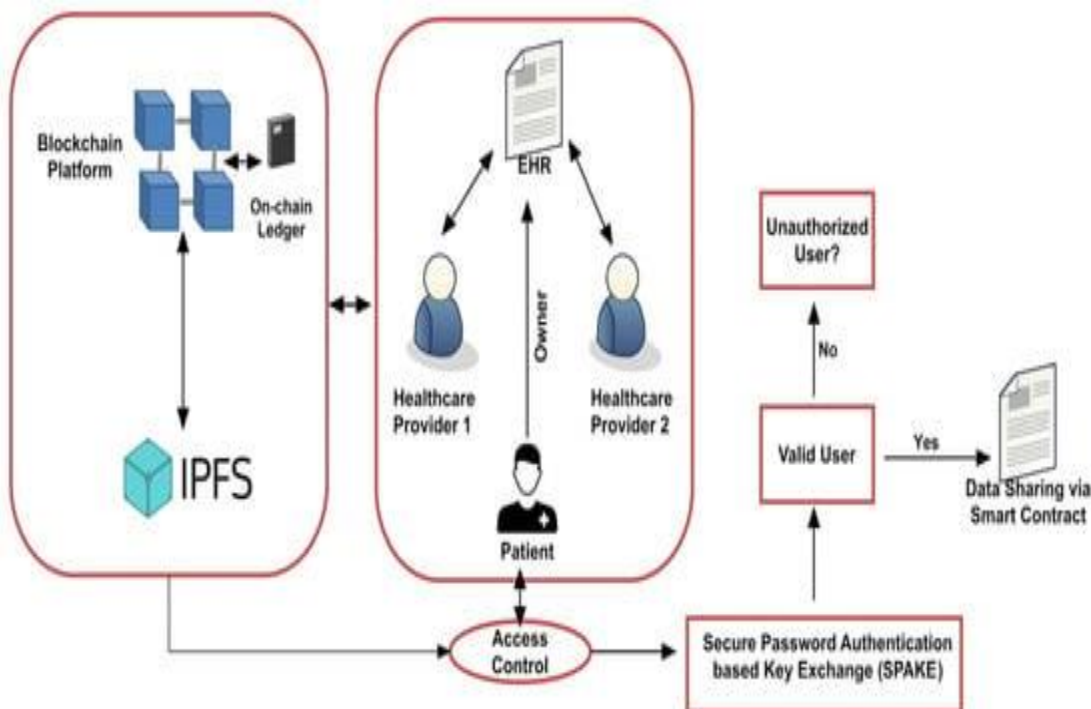
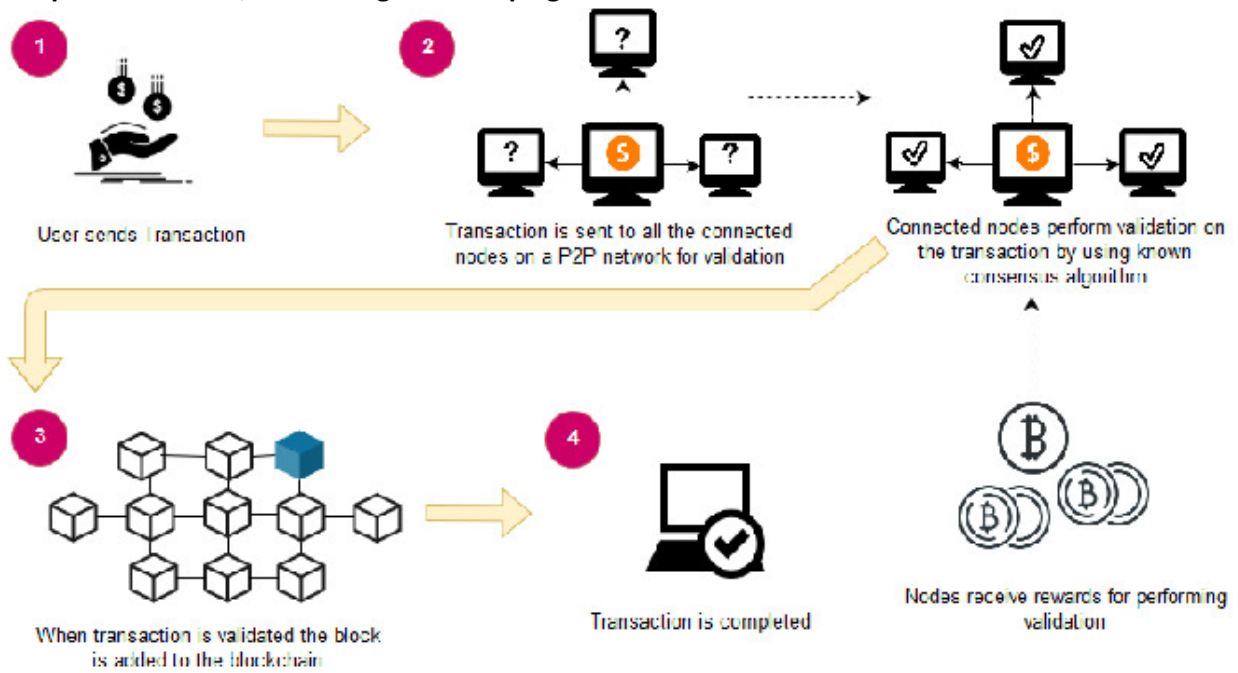| Date	19 October 2023
Team ID	6BCDE3BE65AE17CA2AD4F11B515B0940
Project Name	**Blockchain Technology For Electronic Health Records**
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Electronic health records (EHR)are regulated by health centers instead of patients, making it difficult to obtain medical advice from various health centers. Thus, patients need to concentrate on restoring the management of their health details and their medical information. The quick evolution of blockchain technology encourages population healthcare, including access to patient information and medical data. The technology offers patients access to extensive, consistent reports with free access to EHRs from treatment websites and providers. In this section, we describe the development of a blockchain security framework for EHR (BSF-EHR) with multiple authorities to meet the need for blockchain in shared EHR systems. This framework protects the privacy of patients and maintains the consistency of EHRs. demonstrates the difference between the traditional EHR system and the BSF-EHR system.

Reference: https://www.mural.co/templates/empathy-map-canvas

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

1 User sends Transaction

2 Transaction is sent to all the connected nodes on a P2P network for validation

Connected nodes perform validation on the transaction by using known consensus algorithm

3 When transaction is validated the block is added to the blockchain

4 Transaction is completed

Nodes receive rewards for performing validation

FIGURE 1

Step-3: Idea Prioritization

Area 1

Patients

E-health Records

Area 1

Healthcare providers

Doctor, therapist, nurse

Medical technicians

Decentralized storage

Contracts

Blockchain

Admin

EHRs manager

Local gateways

Area n

EHRs