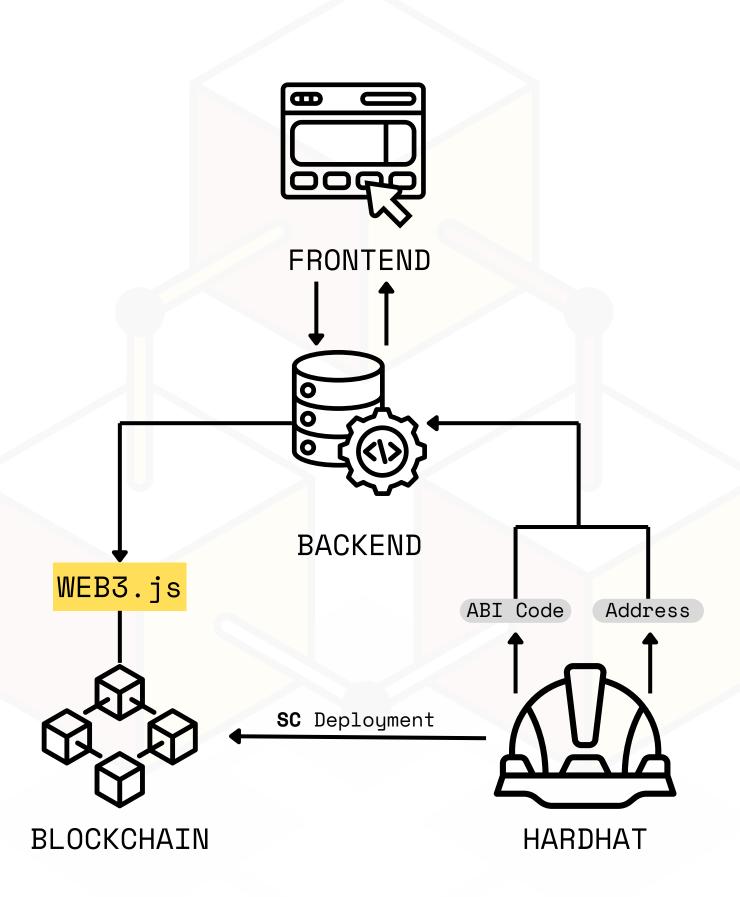
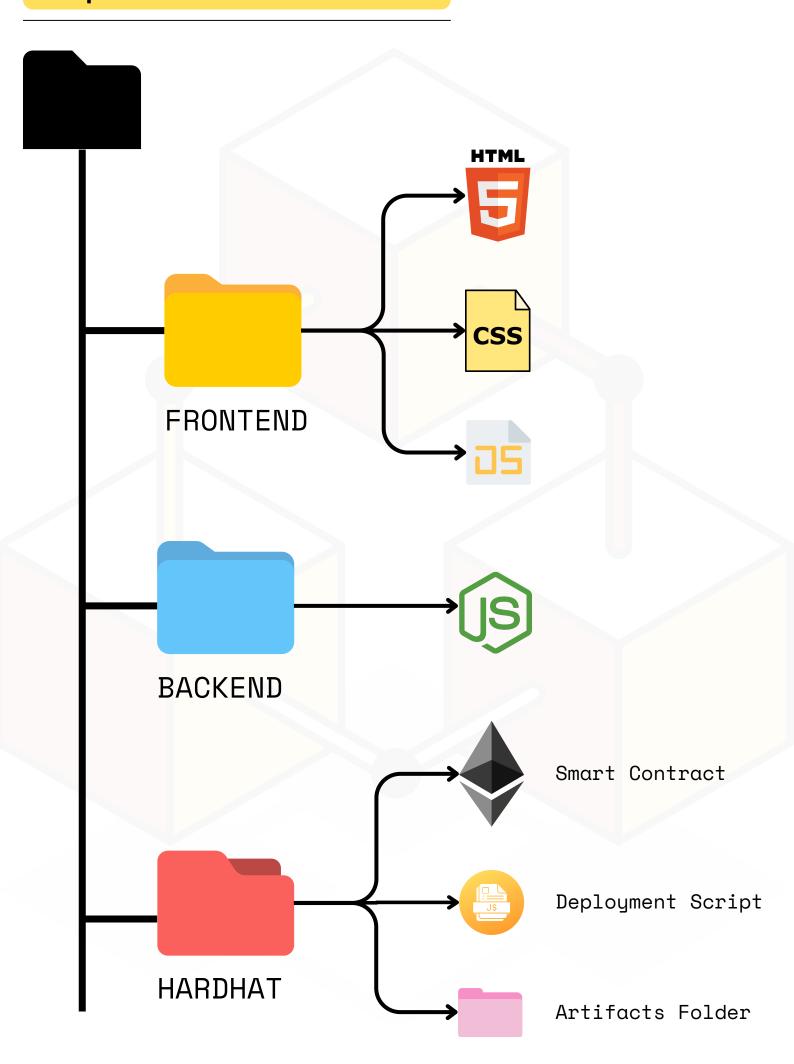


console.log(ChatGPT.fix(error));



Step 1: FOLDER STRUCTURE



Step 2: HARDHAT SETUP

npm init -y

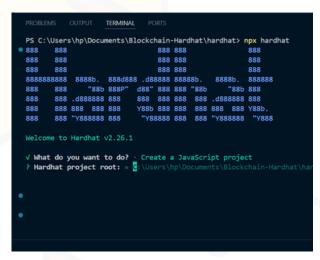
npm install --save-dev hardhat

npx hardhat

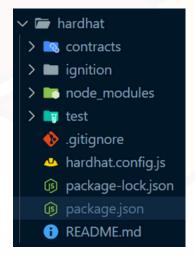
Select -Create a

JavaScript Project

- 1. Add gitignore to your hardhat project
- 2. Confirm the dependencies



Confirm the hardhat project root directory



HARDHAT FOLDER STRUCTURE

- 1. Make a new file in:
- (Hardhat/Contracts/Contract_Name.sol
- 2.Add your SC in the newly made file
- 3. Compile Smart Controat npx hardhat compile
- 1. Make a new folder:

(Hardhat/Scripts/Deploy.js

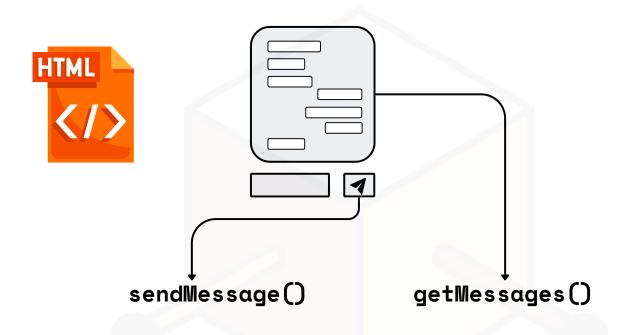
- 2. This JS code is used to dploy SC
- 1. Start local blockchain (npx hardhat node)
- 2. In another terminal, deploy

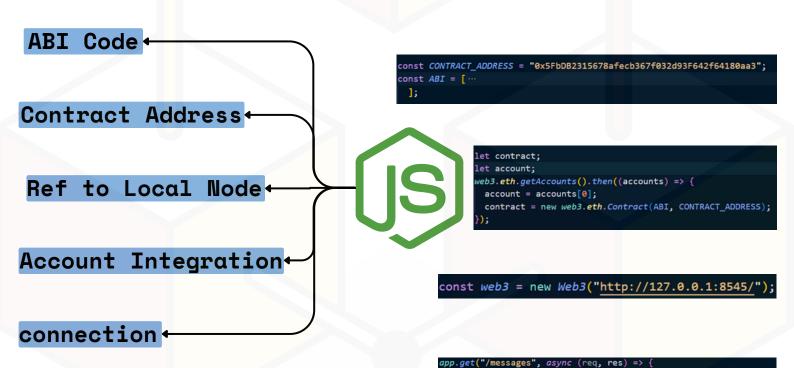
npx hardhat run scripts/deploy.js network localhost

Step 4: Accounts and Address



Step 4: SET UP FRONTEND AND BACKEND





```
app.post("/post", async (req, res) => {
  const { message } = req.body;
  try {
   await contract.methods.postMessage(message).send({ from: account });
   res.json({ success: true, msg: "Message posted!" });
  } catch (e) {
   res.status(500).json({ success: false, error: e.message });
  }
});
```

```
try {
  const count = await contract.methods.getMessageCount().call();
  const messages = [];

  for (let i = 0; i < count; i++) {
    const msg = await contract.methods.messages(i).call();

    messages.push({
        sender: msg.sender,
        content: msg.content,
        timestamp: Number(msg.timestamp)
        });
  }

  res.json(messages);
  } catch (e) {
    res.status(500).json({ success: false, error: e.message });
  }
});</pre>
```