## Compte Rendu TP1 Développement Avancé

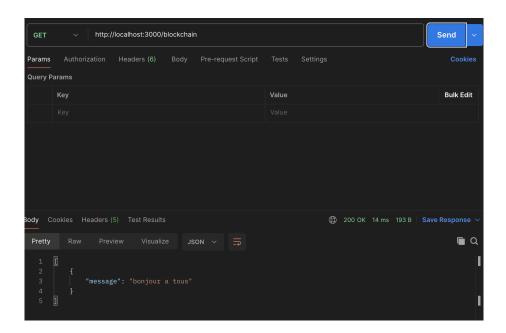
Louis Prigneaux 304

## Etape 1:

J'ai ajouté à chaque accès de endpoint sous forme de console.log : console.log("GET request received on /blockchain"); console.log("POST request received on /blockchain");

## Etape 2:

- Création du fichier blockchain.json dans le dossier Data
- Const Path : const path = join(process.cwd(), "data", "blockchain.json");



## Etape 3:

- Gestion de l'id à la création du bloc grâce à: id: uuidv4(),
- getDate :

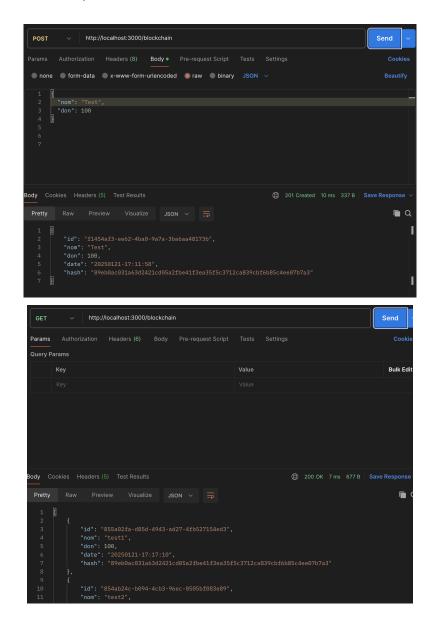
```
export function getDate() {
    const now = new Date();
    const year = now.getFullYear();
    const month = String(now.getMonth() + 1).padStart(2, '0'); // Mois de 0 à 11
    const day = String(now.getDate()).padStart(2, '0');
    const hours = String(now.getHours()).padStart(2, '0');
    const minutes = String(now.getMinutes()).padStart(2, '0');
    const seconds = String(now.getSeconds()).padStart(2, '0');
    return `${year}${month}${day}-${hours}:${minutes}:${seconds}`;
}
```

## Etape 4:

findLastBlock :

```
export async function findLastBlock() {
  try {
    const blockchain = await findBlocks();
    return blockchain.length > 0 ? blockchain[blockchain.length - 1] : null;
  } catch (error) {
    console.error("Erreur lors de la recherche du dernier bloc :", error);
    throw error;
  }
}
```

Hash:
 const previousHash = generateHash(JSON.stringify(lastBlock));
 newBlock.hash = previousHash;



# Etape 5:

- Validation de la chaine :

```
Restarting 'src/server.js'
Server is listening on http://localhost:3000
GET request received on /blockchain
POST request received on /blockchain
Bloc valide !
```