

💰 Bill Splitting Tasks

```
const mongoose = require('mongoose');

const BillSchema = new mongoose.Schema({

  billName: String,

  totalAmount: Number,

  date: { type: Date, default: Date.now },

  participants: [

    {

      name: String,

      amountOwed: Number,

      amountPaid: { type: Number, default: 0 },

    }

  ]

});
```

```
const Bill = mongoose.model("Bill", BillSchema);

module.exports = Bill;
```

Basic CRUD Tasks:

- 1 ☐ **Create a Bill** – Make a new bill with a name, total amount, and a list of people sharing it.
- 2 ☐ **Get All Bills** – Show all bills in the system.
- 3 ☐ **Get One Bill** – Find and show the details of one bill by its ID.
- 4 ☐ **Update a Bill** – Change the name, amount, or people in a bill.
- 5 ☐ **Delete a Bill** – Remove a bill from the system.

9 Money Calculation Tasks:

- 6 ☐ **Split a Bill Equally** – If no one sets how much they owe, divide the total amount equally for everyone.
 - 7 ☐ **Check How Much Everyone Owes** – Show how much each person still needs to pay.
 - 8 ☐ **Find People Who Have Paid in Full** – Show a list of people who have paid everything they owe.
 - 9 ☐ **Track Overpayments** – If someone pays too much, show that they have overpaid.
 - 10 ☐ **Find the Person Who Paid the Most** – Show the name of the person who has paid the most money.
 - 11 ☐ **Find Total Money Paid** – Show how much money has been paid in total for a bill.
-

For Extra Practice:

- ✓ **Prevent Overpayment Mistakes** – If someone tries to pay more than the total amount, show an error.
 - ✓ **Sort Who Owes the Most** – Make the list of people show the one who owes the most at the top.
 - ✓ **Add a "Transfer Overpayment" Feature** – If someone overpays, allow them to give the extra money to another person.
-