

### Database Connection:

Create a file named db.js to establish a connection to your MongoDB database using Mongoose:

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

const DB_URI =
'mongodb://localhost:27017/your_database_name';

mongoose.connect(DB_URI, {
  useNewUrlParser: true,  useNewUrlParser:
  true

}).then(() => {  console.log('Connected to
MongoDB');

}).catch((err) => {  console.error('Error connecting to
MongoDB:', err);

});
```

```
module.exports = mongoose;
```

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## CRUD Operations:

Implement the required endpoints in your Express application to perform CRUD operations. Create a file named app.js:

```
const express = require('express'); const bodyParser =  
require('body-parser'); const mongoose = require('./db'); //  
Import the database connection const Item = require('./Item');  
// Import the Mongoose model
```

```
const app = express(); const PORT =  
process.env.PORT || 3000;
```

```
app.use(bodyParser.json());
```

```
app.post('/items', async (req, res) => {  
  try {
```

```
    const { name, description } = req.body;    const  
    newItem = new Item({ name, description });
```

```
        await newItem.save();
        res.status(201).json(newItem);
    } catch (err) {        console.error('Error creating item:',
err);        res.status(500).json({ error: 'Error creating
item' });

    }
});
```

```
app.get('/items', async (req, res) => {
    try {

        const items = await Item.find();        res.json(items);
    } catch (err) {        console.error('Error fetching items:',
err);        res.status(500).json({ error: 'Error fetching
items' });

    }
});
```

```
app.put('/items/:id', async (req, res) => {
    try {

        const { id } = req.params;        const { name, description } =
req.body;        const updatedItem = await
```

```
Item.findByIdAndUpdate(id, { name, description }, { new: true
});
    res.json(updatedItem);
    } catch (err) {      console.error('Error updating item:',
err);      res.status(500).json({ error: 'Error updating
item' });

    }
});
```

```
app.delete('/items/:id', async (req, res) => {
  try {

    const { id } = req.params;      await
Item.findByIdAndDelete(id);
res.sendStatus(204);

    } catch (err) {      console.error('Error deleting item:',
err);      res.status(500).json({ error: 'Error deleting
item' });

    }
});
```

```
app.listen(PORT, () => {  console.log(`Server is running on  
http://localhost:${PORT}`);  
  
});
```

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