Step 3: Fetch a Key from DB (in controller)

]

```
const AppConfig = require('../models/AppConfig');
const rate = await AppConfig.findOne({ key: "unitRatePerKW" });
console.log("Unit rate is:", rate.value);
Step 4: Update a Key in DB
-----
await AppConfig.findOneAndUpdate(
 { key: "unitRatePerKW" },
 { value: 6.5 },
 { new: true }
);
Step 5: Create Public API to Fetch Key (optional)
routes/configRoutes.js:
const express = require('express');
const router = express.Router();
const AppConfig = require('../models/AppConfig');
router.get('/config/:key', async (req, res) => {
 const key = req.params.key;
 const config = await AppConfig.findOne({ key });
 if (config) {
  res.json({ value: config.value });
 } else {
  res.status(404).json({ message: "Key not found" });
 }
});
```

```
Frontend Example Usage
-----
GET http://localhost:5000/api/config/unitRatePerKW
Response:
{ "value": 7 }
```

Best Practice Summary

module.exports = router;

- Use 'key' and 'value' pair to manage settings centrally
- Fetch config wherever needed instead of hardcoding
- Easy to update via GUI or admin route
- Store values like rates, constants, thresholds etc.