Simulate a pizza delivery system with steps:

1)Place order -> prepare pizza -> bake pizza -> pick pizza -> deliver pizza.

```javascript
function placeOrder(orderDetails) {
    return new Promise((resolve) => {
        console.log("Placing order for:", orderDetails);
        setTimeout(() => {
            console.log("Order placed successfully!");
            resolve(orderDetails);
        }, 1000);
    });
}

function preparePizza(orderDetails) {
    return new Promise((resolve) => {
        console.log("Preparing pizza...");
        setTimeout(() => {
            console.log("Pizza prepared with ingredients:",
orderDetails.ingredients);
            resolve();
        }, 2000);
    });
}

function bakePizza() {
    return new Promise((resolve) => {
        console.log("Baking pizza...");
        setTimeout(() => {
            console.log("Pizza baked!");
            resolve();
        }, 3000);
    });
}

function packPizza() {
    return new Promise((resolve) => {
        console.log("Packing pizza...");
        setTimeout(() => {
            console.log("Pizza packed!");
            resolve();
        }, 1000);
    });
}

function deliverPizza() {
    return new Promise((resolve) => {
        console.log("Delivering pizza...");
```

```javascript
        setTimeout(() => {
            console.log("Pizza delivered! Enjoy your meal!");
            resolve();
        }, 4000);
    });
}

// Simulate the entire pizza delivery process
async function pizzaDeliverySystem() {
    try {
        const orderDetails = { customer: "John Doe", ingredients: ["cheese",
"tomato", "pepperoni"] };

        await placeOrder(orderDetails);
        await preparePizza(orderDetails);
        await bakePizza();
        await packPizza();
        await deliverPizza();

        console.log("Pizza delivery process completed successfully!");
    } catch (error) {
        console.error("An error occurred during the pizza delivery process:",
error);
    }
}

pizzaDeliverySystem();
```

OUTPUT:

Placing order for: {

  customer: 'John Doe',

  ingredients: ['cheese', 'tomato', 'pepperoni']

}

Order placed successfully!

Preparing pizza...

Pizza prepared with ingredients: ['cheese', 'tomato', 'pepperoni']

Baking pizza...

Pizza baked!

Packing pizza...

Pizza packed!

Delivering pizza...

Pizza delivered! Enjoy your meal!

Pizza delivery process completed successfully!