✅ Overview

- **Trigger**: Scheduled (e.g., daily at 8 AM)
- **Source**: SharePoint List with a `CheckoutDate` column
- **Logic**: Find items where `CheckoutDate` is between 45 and 59 days ago
- **Action**: Send an email (e.g., via Outlook or SMTP)

🛠️ Step-by-Step Power Automate Flow

1. Create the Scheduled Trigger

- **Trigger**: Scheduled cloud flow
- **Frequency**: Daily (or as preferred)
- **Time zone**: Set your preferred time zone
- Click **Create**

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2. Get Items from SharePoint

Action: `Get items`

- **Site Address**: your SharePoint site
- **List Name**: your list that contains checkout data

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3. Filter by Date in Power Automate (not OData)

Since OData doesn't support complex date math like "between 45 and 59 days ago," do this in **Power Automate** using **Filter array**.

Add: "Filter array"

- **From**: `value` (from Get items)
- **Condition**:

```plaintext
CopyEdit
@and(
  greaterOrEquals(
    div(sub(ticks(utcNow()), ticks(item()?['CheckoutDate'])),864000000000),
    45
  ),
```

```
  lessOrEquals(
    div(sub(ticks(utcNow()), ticks(item()?['CheckoutDate'])),864000000000),
    59
  )
)
```

This checks if today is between 45 and 59 days **after** `CheckoutDate`.

📝 `864000000000` = number of ticks in a day (10000 * 1000 * 60 * 60 * 24)

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4. Apply to Each Matching User

Add: **Apply to each**

- **Input**: Body of Filter array
  Inside the loop:

→ **Send an Email (Outlook or SMTP)**

- **To**: `item()?['Email']` or similar column
- **Subject**: "Confirmation of Your Checkout"
- **Body**: Custom message with optional dynamic content (e.g., name, checkout details)

✅ Optional Enhancements

- **Log sent emails** to another SharePoint list or Excel sheet
- Add a **flag column** in SharePoint like `EmailSent` to prevent duplicates
- Add a **condition** inside the loop to only email if `EmailSent != true`, then update the item to set it as true after sending

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📌 Summary

You now have a scheduled flow that:

- Runs daily
- Gets SharePoint items with a `CheckoutDate` 45–59 days ago
- Sends confirmation emails
- Optionally avoids duplicates

Let me know if you'd like a downloadable `.zip` package or help generating this directly in Power Automate.