📊 Sprint 3: Data Visualisation & Sharing

> 🎯 Goal: Use real habit data to show progress (weekly, monthly, yearly), and allow selective sharing.

📈 Dashboard Visualizations

- ☐ Show real-time daily habit completion count (e.g., 4/4)
- ☐ Calculate streaks and display (e.g., 💧 7 days)
- ☐ Display per-habit weekly progress bars (e.g., 6/7)
- ☐ Implement streak progress bar

📅 Weekly Page (Donut Charts)

- ☐ Calculate % completion for each habit (based on last 7 days)
- ☐ Display donut chart (Chart.js or static CSS) for each habit

🗓 Monthly Page (Calendar Grid)

- ☐ Generate calendar dynamically from DB (April view)
- ☐ Fill grid blocks by date and habit status
- ☐ Use color-coded cells based on habit type

📊 Yearly Page (GitHub-style Grid)

- ☐ Create a yearly heatmap grid (by habit and day)
- ☐ Use intensity (dark/light green) for completion frequency
- ☐ Allow switching between years (e.g., 2025, 2024)

📤 Sharing Functionality

- ☐ Add "Share" button on each view
- ☐ Let users share visual summaries (e.g., read-only URL or snippet)
- ☐ Show shared habit data to recipients (no editing)

🧪 Testing & Bug Fixes

- ☐ Test data load and graph correctness
- ☐ Fix layout bugs with dynamic content (e.g., scrollable tables, responsive grids)

🗃 Optional Enhancements

- ☐ Add image export of visual reports
- ☐ Generate "rewards" or badges for long streaks
- ☐ Add tooltips to chart elements