# Phase 8:

# Data Management (Optional) & Deployment (GreenTrack)

## 1) Why This Phase Matters

- Data must be imported, cleaned, backed up.
- Deployment shows I can move my work from dev org → GitHub.

## 2) Data Import - Add Sample Activities

**Tool: Data Import Wizard** (simpler) OR **Data Loader** (for bulk).

#### **Option A: Data Import Wizard**

- $\bullet \quad \text{Setup} \to \text{Quick Find} \to \textbf{Data Import Wizard}$
- Choose Eco Activity object.

Upload a CSV with sample data, e.g.:

Activity Name, Activity Type, Trees Planted, Waste Recycled, Date, Location Plantation Drive, Tree Plantation, 50, , 2025-01-10, Pune Recycling Event, Recycling, , 20, 2025-02-20, Mumbai Awareness Session, Awareness Drive, , , 2025-03-30, Delhi

Map fields → Start Import.

### Option B: Data Loader (more powerful)

- Download **Data Loader** from Setup → Data Management.
- Login with Developer Edition credentials.
- Use **Insert** to bulk upload Eco Activities, Impact Scores, or Badges.

## 3) Data Export & Backup

For data safety.

- Setup → Quick Find → Data Export.
- Schedule weekly export of all objects (Eco Activity, Impact Score, Badge).
- Download .zip backup.

## 4) Duplicate Rules

Prevent duplicate activities (e.g., same user logs same activity twice).

- Setup → Duplicate Rules → New Rule → Object: Eco Activity.
- Matching criteria: Name + Date + User.
- Action: Alert + Block save.

# 5) VS Code & SF for Deployment

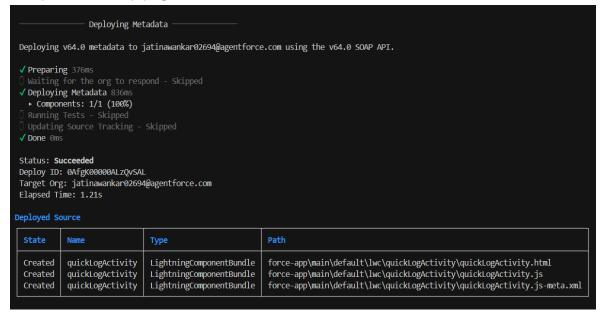
• Create quicklogactivity:

sf lightning generate component --name quickLogActivity --type lwc --output-dir force-app/main/default/lwc

```
create force-app\main\default\lwc\quickLogActivity\quickLogActivity.js
create force-app\main\default\lwc\quickLogActivity\quickLogActivity.html
create force-app\main\default\lwc\quickLogActivity\__tests__\quickLogActivity.test.js
create force-app\main\default\lwc\quickLogActivity\quickLogActivity.js-meta.xml
```

Pull metadata (objects, flows, lwc, triggers) into local folder:

sf retrieve metadata --manifest ./manifest/package.xml --target-org GreenTrack --output-dir ./mdapipkg



Commit to GitHub:

```
git add
git commit -m "Org fetch - All"
git push
```