Supplying Leftover Food to Poor People

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# Introduction

Food wastage and hunger are two pressing issues in today’s society. While tons of food are discarded daily by restaurants, hotels, events, and households, millions of people go hungry, struggling to meet their daily nutritional needs.

This imbalance highlights a major social and environmental problem: food is wasted, and yet people suffer from hunger.

The idea of supplying leftover or surplus food to the poor aims to bridge this gap. By collecting excess food that is safe to consume and delivering it to underprivileged communities, we can reduce hunger while also minimizing food wastage.

This approach not only helps in feeding the needy but also promotes responsible consumption, social responsibility, and environmental sustainability.

This project focuses on establishing a system where volunteers collect leftover food from reliable sources, ensure its hygiene and quality, and distribute it efficiently to the poor, orphanages, old age homes, and slum areas. It demonstrates how small efforts in food redistribution can create a significant social impact, reduce waste, and foster community awareness about food security.

### ****Objectives****

* Understand objects, tabs, fields, and lightning apps.
* Automate processes using flows and triggers.
* Manage users, profiles, public groups, and permissions.
* Create and customize reports and dashboards.
* Apply best practices for data and user management.
* Learn how to create a Salesforce Developer account.

### ****Preview****

* Salesforce Developer Edition gives access to free tools.
* Key areas: Account creation, objects, tabs, lightning apps, fields.
* Automation: Flows and triggers.
* User management: Profiles, roles, creation of users, public groups.
* Data reporting: Reports, report types, dashboards.
* Security and sharing: Sharing rules, homepage customization

### ****Salesforce Developer Account Creation****

* Visit **salesforce.com** → Developer Edition signup page.
* Fill personal information: Name, email, company, country.
* Choose a **username** (must look like an email, e.g., abc@xyz.com).
* Set a strong password and security question.
* Verify email by clicking the activation link.
* Login to Salesforce using your credentials.
* Tips: Use a personal email for easy access and backup

### ****Objects****

* **Standard Objects**: Account, Contact, Lead, Opportunity, Case.
* **Custom Objects**: Designed to store unique business data.
* Each object stores related information in records.
* Example: “Project” object to manage internal projects.
* Objects have **fields** to store individual pieces of data.
* Objects can be related via relationships (lookup/master-detail).

### ****Tabs****

* Tabs provide easy access to objects in the UI.
* **Standard Tabs**: Predefined for standard objects.
* **Custom Tabs**: Created for custom objects or web applications.
* Example: “Project” tab shows all Project records.
* Tabs can include lists, dashboards, or visual components.
* Helps users navigate Salesforce efficiently.

### ****Lightning Apps****

* Lightning Apps are user-friendly applications in Salesforce.
* Combine multiple tabs, objects, and components into one interface.
* Example: Sales App with Accounts, Opportunities, Leads tabs.
* Can be customized for different teams or departments.
* Improves productivity by giving users the tools they need in one view.

### ****Fields****

* Fields store individual data points in objects.
* Types: Text, Number, Date, Checkbox, Picklist, Lookup.
* Example: Account Name (Text), Amount (Number), Close Date (Date).
* Field-level security determines which users can view or edit.
* Tips: Use descriptive names and help text for clarity.

### ****Flows****

* Flows automate business processes without code.
* Types: Screen Flow, Record-Triggered Flow, Scheduled Flow.
* Example: Automatically assign tasks when a lead is created.
* Benefits: Reduces manual errors, speeds up processes.
* Can include decisions, loops, and actions for complex logic

### ****Triggers****

* Written in **APEX** to perform automation on records.
* Executed **before** or **after** insert, update, delete, or undelete.
* Example: Update related records automatically when an Opportunity is closed.
* Use triggers for complex processes not achievable with flows.
* Tips: Test triggers in sandbox before deployment.

### ****Profile****

* Controls permissions and access for users.
* Example: “Sales Profile” allows access to Leads and Opportunities.
* Define object-level and field-level access.
* Assign multiple users to a profile for consistency.
* Profiles determine what users **can see** and **can do** in Salesforce.

### ****Creation of Users****

* Navigate: Setup → Users → New User.
* Fill required fields: Name, Email, Role, Profile.
* Assign license type and permissions.
* Tips: Use consistent naming conventions.
* Example: Create a sales user with Sales Profile and assign to Sales Team

### ****Public Group****

* A collection of users for sharing records efficiently.
* Can include users, roles, and other groups.
* Example: Share Opportunities with a Marketing Team group.
* Reduces manual sharing tasks.
* Supports data visibility while maintaining security

### ****Report Types****

* Define which objects and fields are available in reports.
* **Standard Report Types**: Prebuilt for common objects.
* **Custom Report Types**: Created for specific business scenarios.
* Example: Account + Opportunities report for revenue analysis.
* Essential for building accurate and relevant reports.

### ****Reports****

* Display and summarize data from Salesforce objects.
* Types: Tabular, Summary, Matrix, Joined.
* Filter and group data to gain insights.
* Example: Sales by region, Opportunity stage summary.
* Reports can be scheduled and exported as needed.

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### ****Dashboards****

* Visual display of multiple reports.
* Components: Charts, Tables, Metrics, Gauges.
* Example: Dashboard for quarterly sales targets.
* Helps management make informed decisions quickly.
* Can be customized per department or user role.

### ****Sharing Rules****

* Automatically grant record access to users/groups.
* Types: Criteria-based or Owner-based sharing.
* Example: Share VIP accounts with the senior sales team.
* Helps maintain proper data access without manual intervention

### ****Homepage****

* User’s landing page in Salesforce.
* Can include reports, dashboards, tasks, and custom components.
* Example: Sales homepage showing today’s leads and top opportunities.
* Enhances user experience and productivity.

A group of people standing next to each other

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# Conclusion & Thanks

- Food is a basic human right, not a privilege.

- By working together, we can ensure no one goes hungry while food is wasted.

- This project demonstrates a sustainable solution with social, economic, and environmental benefits.

- Thank you for your time and support!