

## 1. Project Design Phase:

For the "Supply Leftover Food to Poor" project, this phase involves designing the system architecture, data flow, and user interaction process. The design includes modules such as food donor registration, pickup scheduling, food tracking, and beneficiary management. A user-friendly interface is planned to allow restaurants or individuals to easily log surplus food details. Database design ensures secure storage of donor and recipient information. The project also includes mapping features to locate nearby donors and distribution centers. Wireframes and flowcharts are developed to visualize the process and ensure efficient coordination between volunteers, transport teams, and beneficiaries. The design phase ensures the system is simple, scalable, and adaptable for real-world use, ultimately enabling smooth food collection and equitable distribution to the needy.