

# Group project requirements – DRAFT @ 19 Jan 2025

**NOTE: not all requirements need to be implemented: Groups to detail and prioritise for their own projects**

## Listings

- View items with photos, titles, descriptions etc
- Categorization of items
- Add items with photos, titles, descriptions etc

## User Management

- User registration and authentication system
- User profiles with contact information and preferences

## Search and Discovery

- Filtering options based on for example distance, categories
- Map-based search functionality to find nearby listings

## Community Features

- Rating and review system
- Community forum for sharing tips and discussions

## Gamification

- Points system and challenges to encourage regular sharing
- Badges or levels for active users and impactful sharers

## Analytics

- Personal impact dashboard showing items shared and impact on climate or personal finance
- Community-wide impact dashboard

## Communication

- In-app messaging system for users to coordinate pickups

## Integrations

- Use of external data via APIs eg transport, maps, recipes

## Non-functional requirements

- Responsive web application accessible on desktop and mobile devices
- Accessibility best practices
- Clear navigation and user experience
- Privacy by design / GDPR compliance – minimum personal data gathered
- Secure user authentication and data encryption
- Modern, intuitive user interface with easy navigation
- Automated tests for reliability and continuous integration
- Cloud-based infrastructure