**Customer Feedback Platform**

**Overview**

This is a **customer feedback collection platform** built using **React** (frontend) with local storage-based persistence and **Google OAuth authentication**. Users can log in, submit feedback under categories, and view/delete submitted feedback grouped by category.

**Key Features**

* **Google OAuth Login**: Users authenticate using their Google account.
* **Feedback Form**: Submit categorized feedback (Product Features, Pricing, or Usability).
* **Categorized View**: Feedback is grouped and displayed by category.
* **Delete Feedback**: Users can remove any feedback they submitted.
* **Local Storage**: Feedback persists locally in the browser.
* **Automatic Routing**: After submitting feedback, the user is redirected to the summary page.

**Tech Stack**

| **Layer** | **Technology** |
| --- | --- |
| Frontend | React.js |
| Routing | React Router DOM |
| Styling | Inline CSS |
| Auth | Google OAuth (via backend redirect) |
| Storage | Browser localStorage |

**App Flow**

1. **User opens app** → Home.js shows login option.
2. **User clicks "Login with Google"** → Redirects to Google, then LoginSuccess.js.
3. On success, two options are shown:
   * Submit Feedback → opens FeedbackForm.js
   * View Feedback → opens FeedbackList.js
4. **Submitting feedback**:
   * User selects a category (Product Features, Product Pricing, or Product Usability)
   * Enters a comment
   * On submit, the feedback is saved to localStorage under the key feedbacks
   * Redirects to /feedback-list
5. **Viewing feedback**:
   * Grouped by category
   * Displays each comment under the category
   * Each feedback can be deleted, which updates localStorage

**Feedback Format**

Stored in localStorage as an array of objects:

[

{

"id": 1712731029022,

"category": "Product Features",

"comment": "Please add dark mode."

},

{

"id": 1712731043210,

"category": "Product Usability",

"comment": "The layout is confusing on mobile."

}

]

**Testing**

| **Feature** | **Tested?** | **Note** |
| --- | --- | --- |
| Google OAuth Login |  | Uses session/cookie redirect |
| Submit Feedback (all fields) |  | Required fields enforced |
| Redirect after Submit |  | Uses navigate("/feedback-list") |
| Display grouped feedback |  | Uses .reduce() to group |
| Delete Feedback |  | Removes item and updates display |
| localStorage Persistence |  | Works across page reloads |

**Sample FeedbackForm.js**

const categories = ["Product Features", "Product Pricing", "Product Usability"];

Allows user to:

* Select category
* Write a comment
* Submit, save to localStorage, and redirect

**How to Run**

1. Clone the repository
2. Navigate to frontend/
3. Run:

npm install

npm startTop of FormBottom of Form