Task Submission Round 1

Name: Love Maggo
Project: Leaderboard
Frontend: ReactJS (Vercel)
Backend: NodeJS + Express + MongoDB (Render)
Version Control: GitHub (Proper commits maintained)

🚀 Objective

Build a system allowing users to be selected from a list, award random points, and reflect those changes in a real-time leaderboard. Support for dynamic user addition and claim history logging was required.

✅ Features Implemented

🔹 Frontend (ReactJS)

- Displayed 10 default users in a list
- Option to **add new users from UI**
- "Claim Points" button assigns **random points (1–10)**
- Points updated in real-time
- **Leaderboard** updates ranks dynamically
- **Claim history** table with user-wise logs
- Deployed on **Vercel**: [Insert Link]
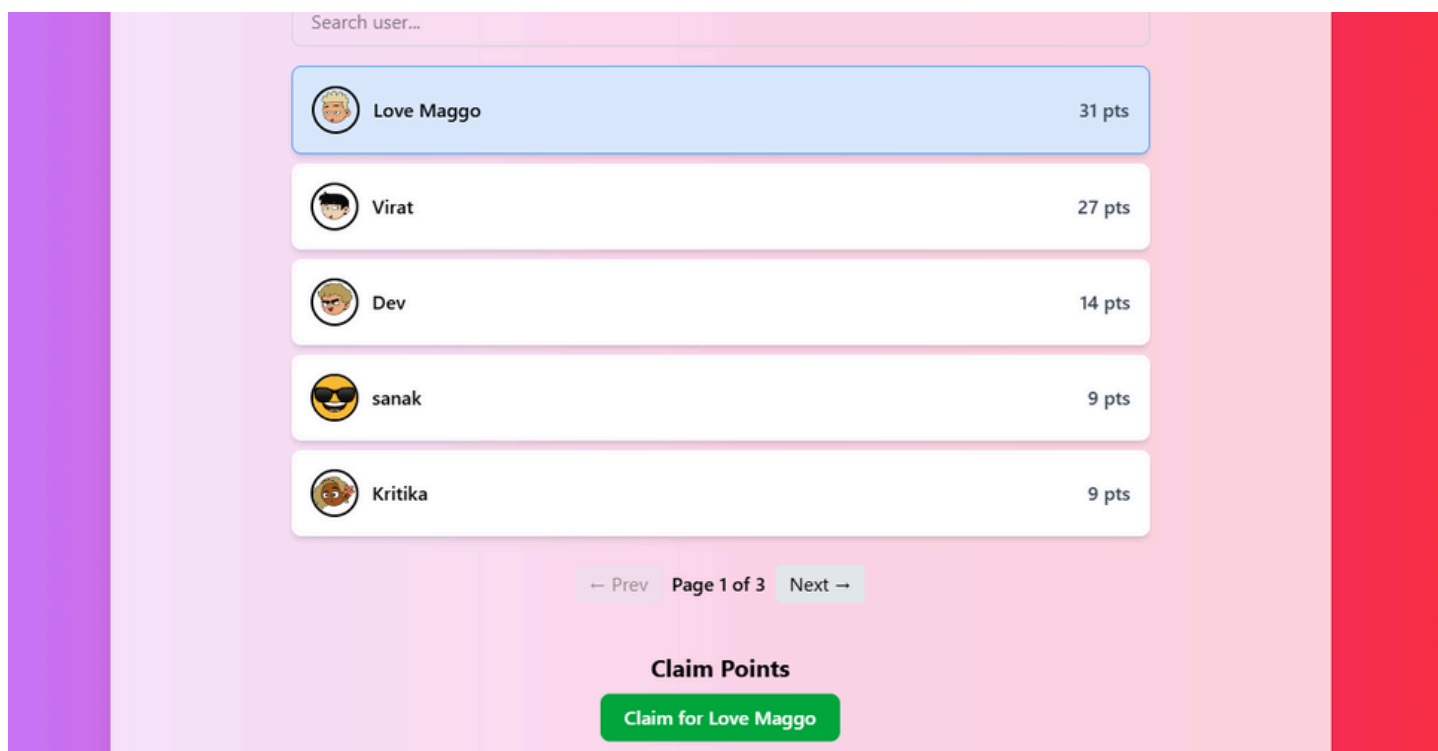
🔹 Backend (NodeJS + Express + MongoDB)

- Pre-seeded 10 users in database
- Supports **adding new users**
- Random points logic on every claim
- Each point claim is recorded in a separate **history collection**
- Rankings auto-calculated and sent back on request
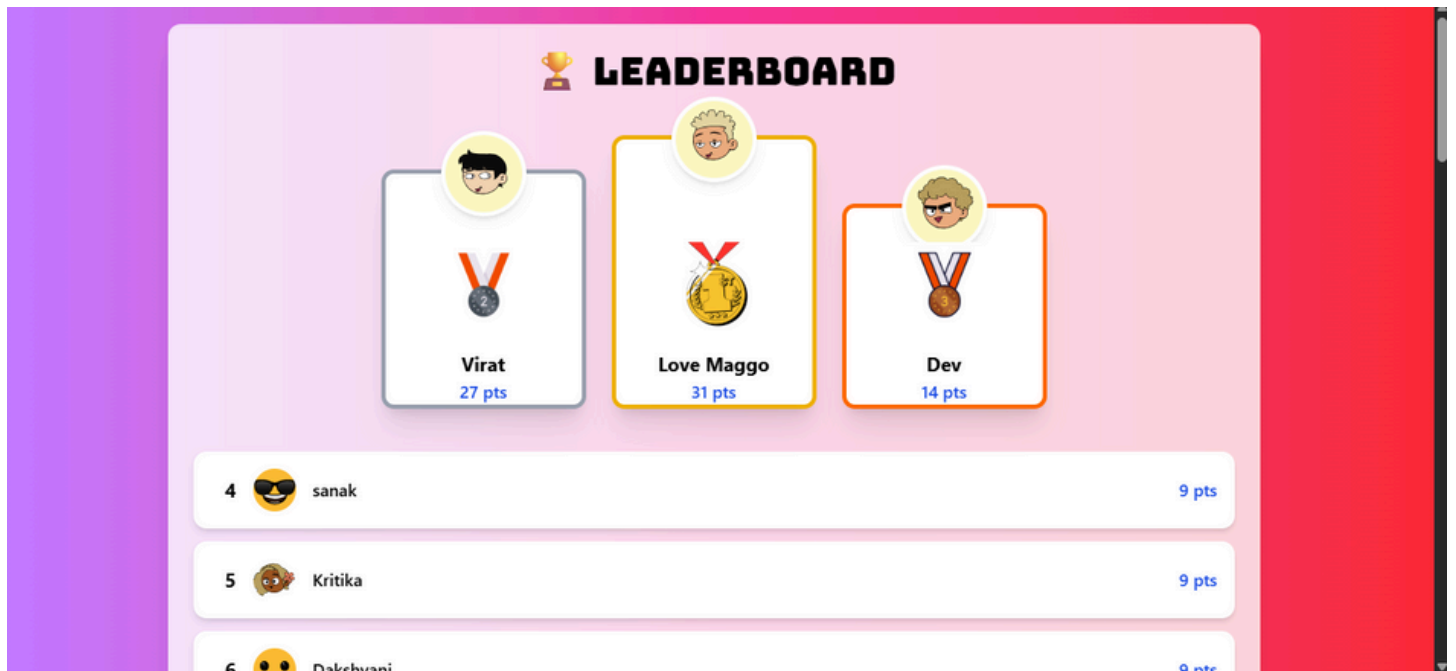- Deployed on **Render**: [Insert Link]

⚙️ APIs

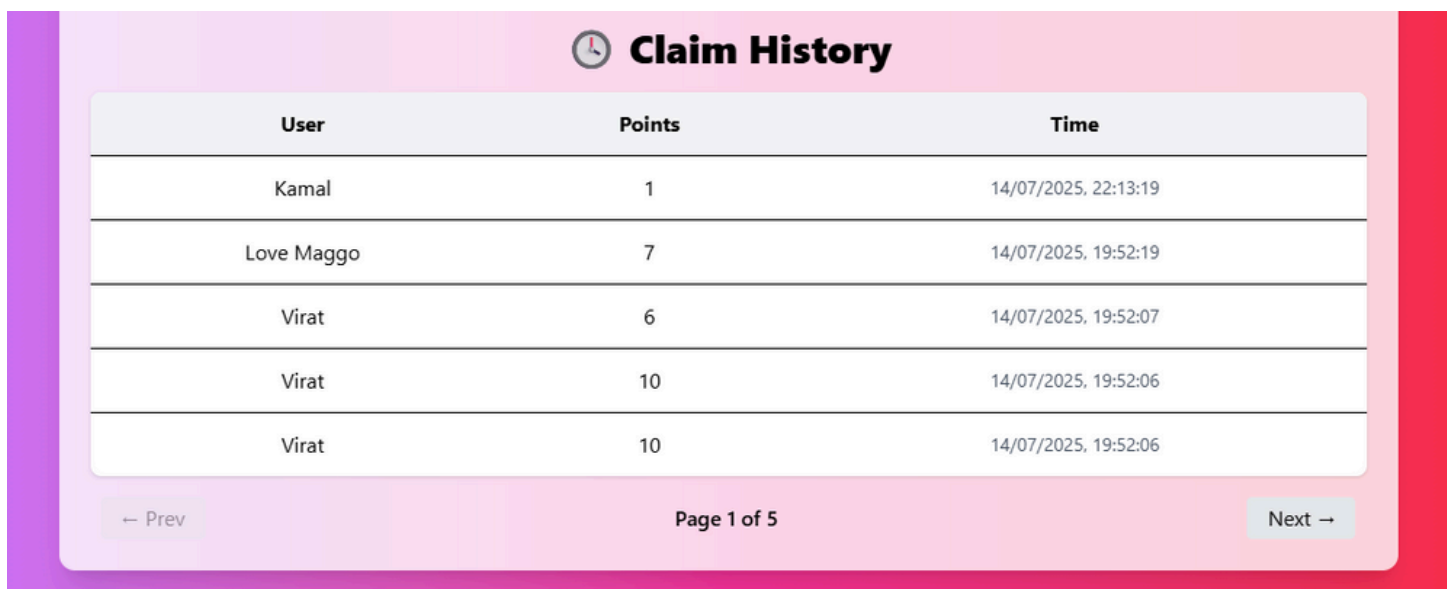| Method	Route	Description
GET	/api/users	Get all users
POST	/api/users	Add new user
PUT	/api/users/:id/increase	Add points to a user
GET	/api/claim-history	Get all claim history
POST	/api/claim-history	Add new claim history

📷 Screenshots

- User selection + claim button UI

- Real-time leaderboard

- Claim history section

- Add user modal

🚀 Deployment Details

Component	Link
GitHub Repository	https://github.com/Love-M-365/Leaderboard
Live Frontend (Vercel)/ Live Project Link	https://leaderboard-one-neon.vercel.app
Live Backend API (Render)	https://leaderboard-aaj8.onrender.com
MongoDB Info	Cluster: Cluster0 (MongoDB Atlas) Database: leaderboardDB Collections: users, claimHistory
Link	https://cloud.mongodb.com/v2/677e42171c38ac4d4aaa5c84#/metrics/replicaSet/677e775f3a87de6fdd26c70c/explorer/leaderboarddb