

Oodo × NMIT

Hackathon '25

TEAM MEMBERS

- 1.GANDIKOTA SIVA SUDHAMSH
- 2.NALLAMOTHU BHANUTEJA
- 3.PRATHAPANI SATYA MEGHA VARSHINI
- 4.GUNDA GAYATHRI

EcoFinds – Sustainable Second-Hand Marketplace

EMPOWERING SUSTAINABLE CONSUMPTION THROUGH TECHNOLOGY

ECOFINDS IS A FULL-STACK WEB APPLICATION DESIGNED TO PROMOTE SUSTAINABILITY BY CREATING A MARKETPLACE FOR SECOND-HAND GOODS.

- >VISION: TO BUILD A VIBRANT AND TRUSTED COMMUNITY WHERE PEOPLE CAN BUY AND SELL PRE-OWNED PRODUCTS, EXTENDING THEIR LIFECYCLE AND REDUCING ENVIRONMENTAL WASTE.
- >MISSION: TO MAKE SUSTAINABLE CHOICES SIMPLE, ENGAGING, AND ACCESSIBLE THROUGH A MODERN, USER-FRIENDLY APPLICATION.
- >PURPOSE: ECOFINDS ADDRESSES THE GROWING NEED FOR RESPONSIBLE CONSUMPTION BY COMBINING TECHNOLOGY WITH ECO-CONSCIOUS VALUES.
- >BY CONNECTING BUYERS AND SELLERS, ECOFINDS REDUCES WASTE, PREVENTS UNNECESSARY PRODUCTION, AND ENCOURAGES ECO-FRIENDLY HABITS.

PROBLEM STATEMENT

THE CHALLENGE:

- > TRADITIONAL E-COMMERCE FOCUSES ON NEW PRODUCTS, LEADING TO OVERPRODUCTION AND WASTE.
- > CONSUMERS STRUGGLE TO FIND TRUSTED PLATFORMS FOR PURCHASING QUALITY SECOND-HAND ITEMS.
- > EXISTING RESALE PLATFORMS ARE FRAGMENTED, LACK MODERN UI/UX, AND DON'T PRIORITIZE SUSTAINABILITY.

OUR SOLUTION – ECOFINDS:

- > A NEXT.JS-POWERED RESPONSIVE WEB APP THAT CREATES A UNIFIED, SECURE, AND USER-FRIENDLY SECOND-HAND MARKETPLACE.
- > PROVIDES SEAMLESS BUYING/SELLING EXPERIENCE, ENCOURAGES PRODUCT REUSE, AND REDUCES CARBON FOOTPRINT.
- > DESIGNED TO SCALE INTO A TRUSTED ECO-CONSCIOUS MARKETPLACE.

KEY FEATURES

ECOFINDS PROVIDES ALL ESSENTIAL MARKETPLACE FUNCTIONALITIES WITH A SUSTAINABILITY-FIRST APPROACH:

-  **USER AUTHENTICATION:** SECURE SIGN-UP & LOGIN FOR ACCOUNT PROTECTION.
-  **PRODUCT MANAGEMENT (CRUD):** ADD, EDIT, VIEW, AND DELETE LISTINGS.
-  **MARKETPLACE:** BROWSE, FILTER, AND SEARCH PRODUCTS BY CATEGORY OR KEYWORD.
-  **SHOPPING CART & CHECKOUT:** ADD ITEMS TO CART AND SIMULATE CHECKOUT.
-  **USER ACCOUNT PAGE:** MANAGE LISTINGS, PURCHASE HISTORY, AND PROFILE.
-  **THEME TOGGLE:** PERSONALIZE THE EXPERIENCE WITH LIGHT/DARK MODE.
-  **RESPONSIVE DESIGN:** OPTIMIZED FOR DESKTOP, TABLET, AND MOBILE.

TECH STACK & PROJECT ARCHITECTURE

TECH STACK

- > FRAMEWORK: NEXT.JS (APP ROUTER)
- > LANGUAGE: TYPESCRIPT
- > UI LIBRARY: REACT
- > STYLING: TAILWIND CSS + SHADCN UI
- > GENERATIVE AI: FIREBASE GENKIT

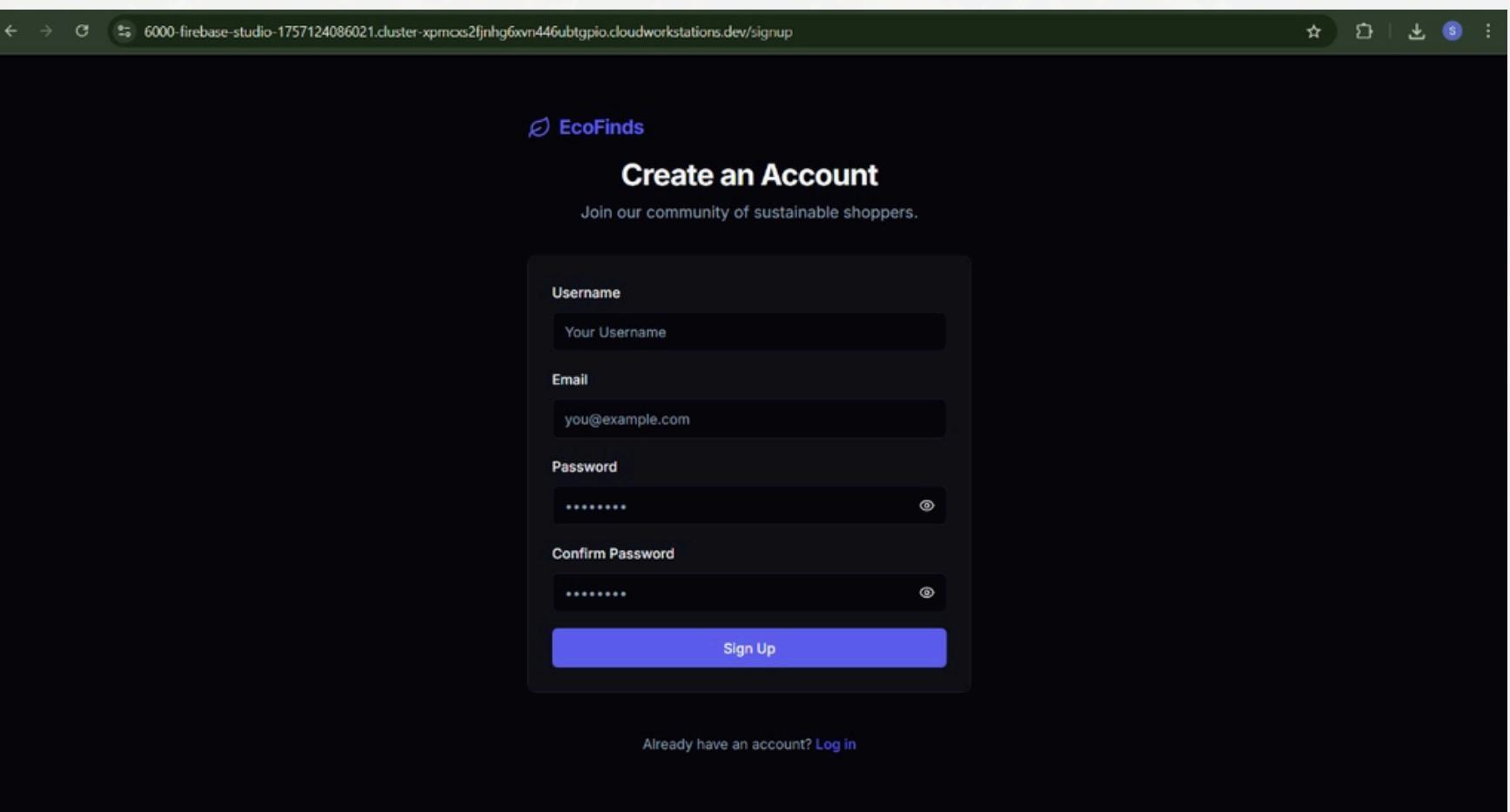
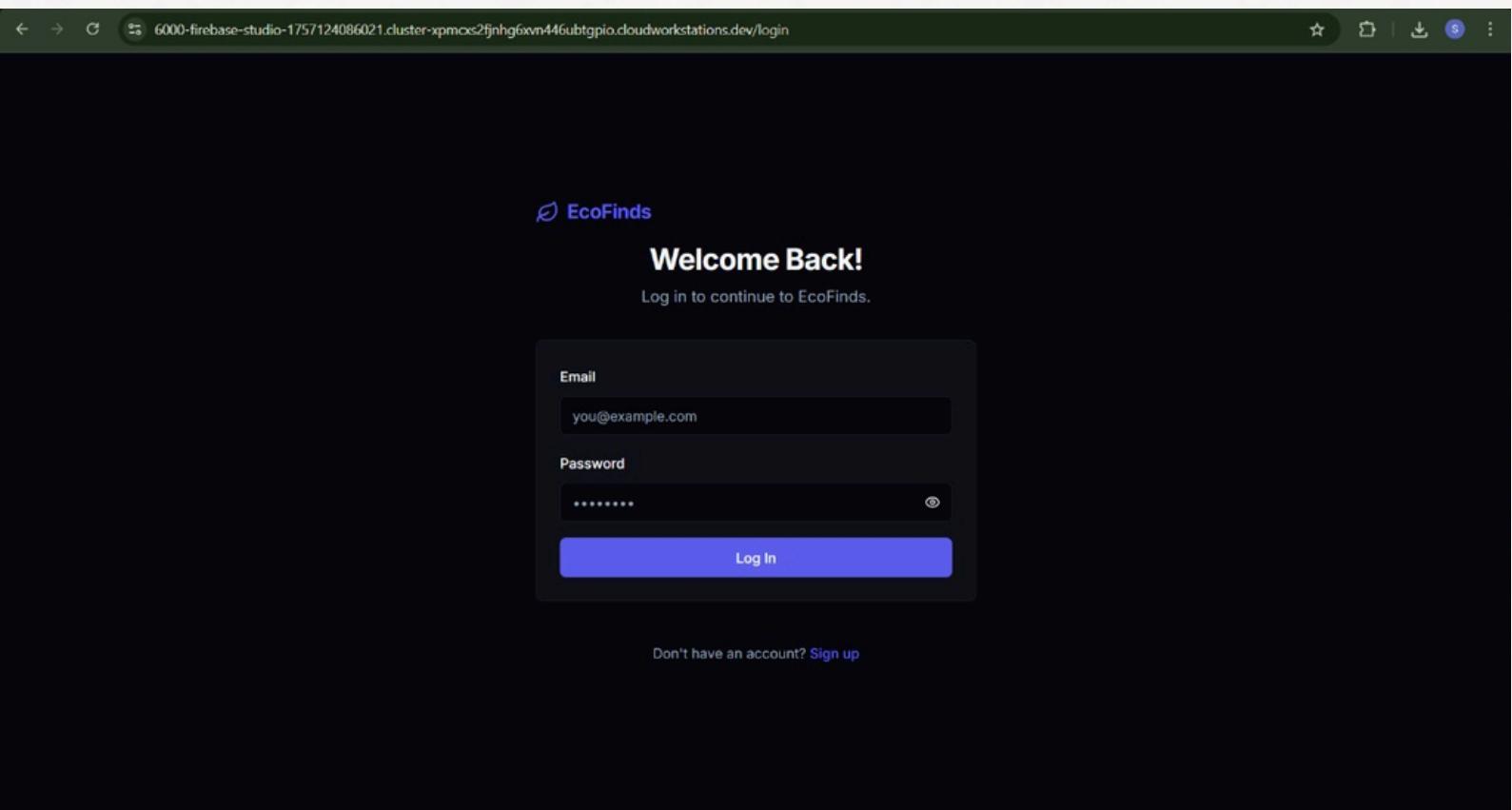
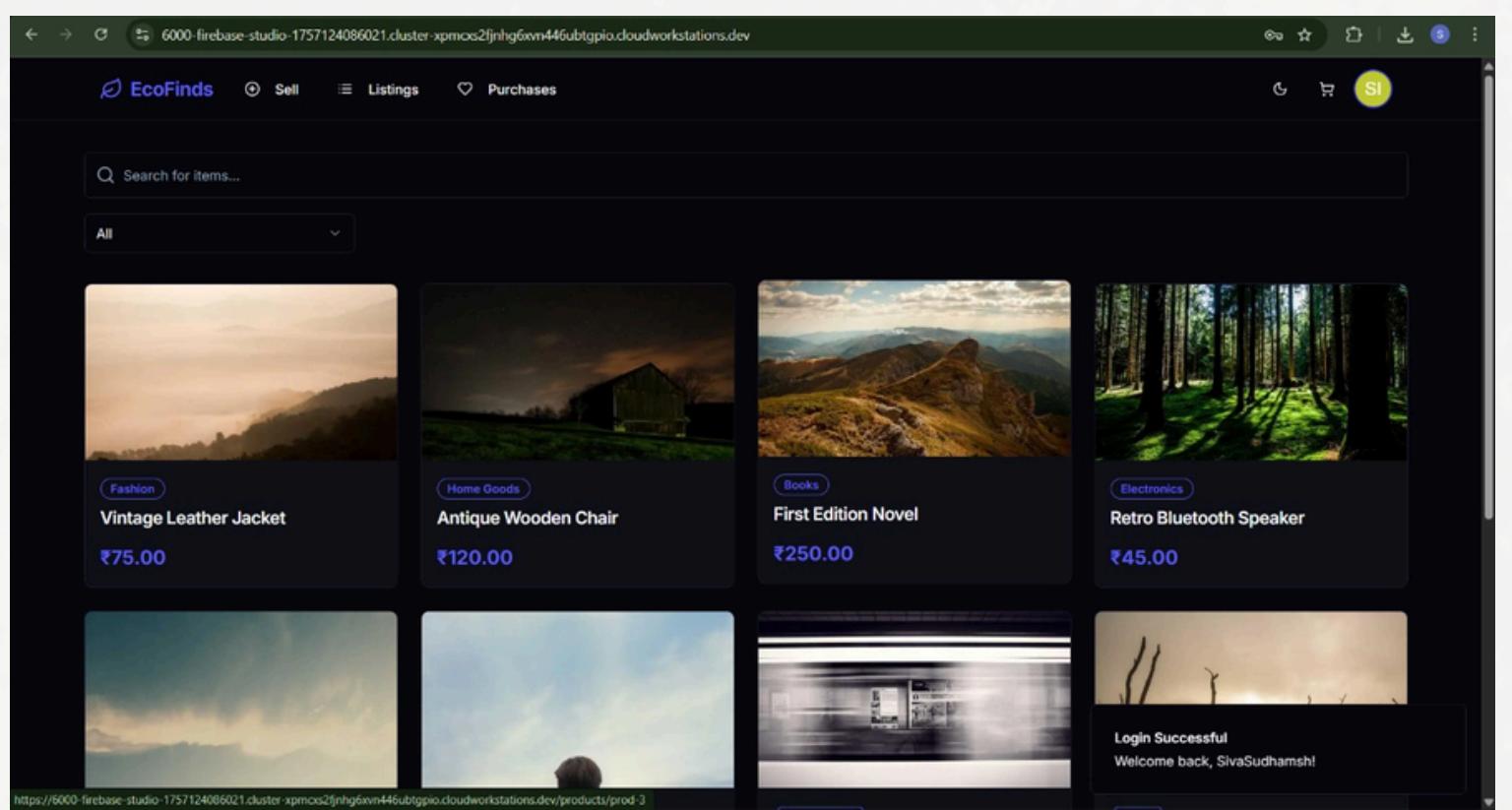
PROJECT ARCHITECTURE

- > SRC/APP: PAGES & ROUTING
- > SRC/COMPONENTS: REUSABLE UI ELEMENTS
- > SRC/CONTEXT: GLOBAL STATE (USERS, PRODUCTS, CART)
- > SRC/LIB: TYPES, MOCK DATA, AND UTILITY FUNCTIONS
- > SRC/AI: GENKIT AI FLOWS & CONFIGURATION
- > PUBLIC: STATIC ASSETS (IMAGES, FONTS)

ADVANTAGES

- > SCALABLE, MODULAR CODEBASE
- > STRONG UI/UX FOCUS
- > INTEGRATES AI FOR FUTURE SMART FEATURES (E.G., INTELLIGENT PRODUCT SUGGESTIONS, ECO-FOOTPRINT TRACKING)

OUTPUTS



CONCLUSION

ECOFINDS IS MORE THAN JUST A WEB APP — IT IS A STEP TOWARDS RESPONSIBLE AND ECO-FRIENDLY LIVING.

->BY MERGING TECHNOLOGY WITH SUSTAINABILITY, IT REDEFINES THE WAY PEOPLE SHOP FOR PRE-OWNED GOODS.

->WITH A SCALABLE DESIGN AND AI-READY ARCHITECTURE, ECOFINDS HAS THE POTENTIAL TO BECOME A GO-TO PLATFORM FOR SUSTAINABLE SHOPPING.

FINAL NOTE:

->ECOFINDS EMPOWERS USERS TO SAVE MONEY, REDUCE WASTE, AND CONTRIBUTE TO A GREENER FUTURE.