

Skill Sphere - Platform Requirements (MVP)

Version: v1.0

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1. Purpose

Skill Sphere is a community skill-development prototype where users can create accounts, explore skills, reflect, track progress, and join mentor-led learning groups. Each skill connects to relevant SDGs to show real-world impact.

2. Users & Roles

User Roles

- **Learner (default user)**
- **Mentor (special user role)**

Definition of Done (Roles)

- A user record exists in the database with: **name**, **email**, **role**
- Mentor-only actions are hidden/blocked for learners

3. Core Features (MVP)

A) Authentication (Signup / Login / Logout)

Requirements

- Users can create an account using email + password
- Users can log in and log out
- User stays logged in after refresh
- Errors show clearly (wrong password, email already used)

Complete When

- I can create 2 test accounts successfully
- I can log in/out and see correct user session
- User data saved in database (users collection)

Evidence

- Screenshot of Firebase Authentication users list
- Screenshot of successful login screen

B) Skill Browsing (Home + Skill Cards)

Requirements

- Home page displays a list/grid of skills
- Skills load from database (not hardcoded)
- Each skill card shows: title + short description
- Clicking a skill opens a Skill Detail page

Complete When

- Skills appear on homepage from Firestore
- Clicking a skill routes to `/skills/:id` and shows that skill's info

Evidence

- Screenshot of skill cards page + Firestore skills collection

C) Skill Detail Page (Skill Info + SDG connection)

Requirements

- Skill detail shows:
 - Skill title
 - Full description
 - SDG(s) connected to the skill
 - Short plain-language “impact” statement

Complete When

- At least 5 skills show correct SDG connection
- SDG section displays consistently for each skill

Evidence

- Screenshot of a skill page showing SDG numbers + explanation

D) Reflections (Write + Save + View)

Requirements

- Logged-in user can write a reflection on a skill
- Reflection saves to database tied to the user + skill
- User can view past reflections in Profile

Complete When

- I can write a reflection, refresh page, and it remains saved
- Reflections are visible in Profile page with date + skill name

Evidence

- Screenshot: reflection saved confirmation
- Screenshot: reflection document in Firestore

E) Profile Page (User + Progress + Reflections)

Requirements

- Profile displays:
 - User name/email
 - Progress indicator (percent or “completed skills” count)
 - List of reflections

Complete When

- Progress updates when user completes an action (ex: reflection submitted)
- Reflections list loads for the logged-in user only

Evidence

- Screenshot of profile showing progress + reflections

F) Learning Groups (Join + View)

Requirements

- Skill has associated group(s) OR user can join a group from a Group page
- User can join a group (stored in database)
- Group page shows group name, skill focus, mentor name, members

Complete When

- Learner can join a group and membership persists after refresh
- Members list updates correctly

Evidence

- Screenshot: group page with member list
- Screenshot: updated group document in Firestore

G) Mentor Features (Create/Manage Group)

Requirements

- Mentor can create a learning group
- Mentor can view groups they created
- Learner cannot see “Create Group” options

Complete When

- Mentor account sees mentor dashboard
- Learner account cannot access mentor actions (UI hidden + logic restricted)

Evidence

- Screenshot: mentor dashboard
- Screenshot: learner view without mentor controls

4. Non-Functional Requirements (Quality)

- Clear navigation (Home, Skills, Profile, Groups)
- Mobile-friendly layout (basic responsiveness)
- Clear error messages
- No broken links/buttons during demo

5. Out of Scope (Not required for MVP)

- Password reset
- Messaging/chat
- Notifications
- Advanced analytics