

Android App - MakerLink

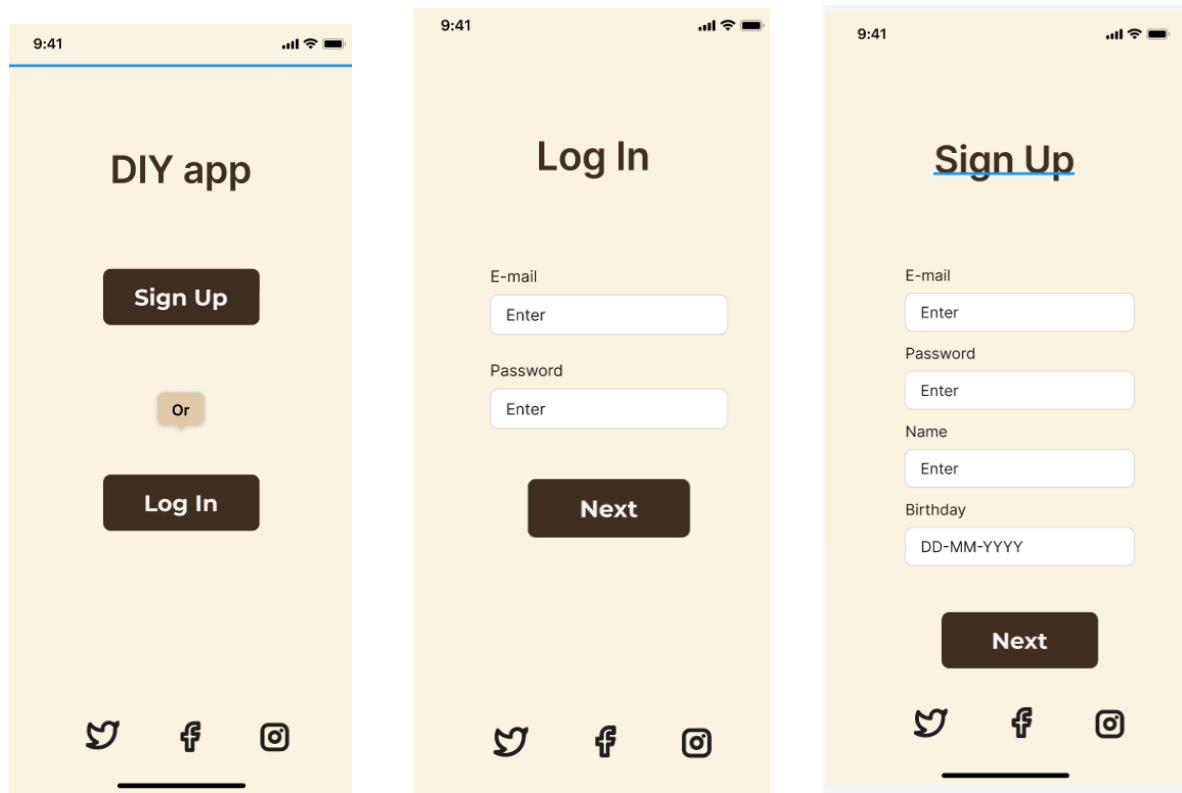
The project strives to the realization of a DIY app: MakerLink. The “Maker” part of the app name refers to the features which allow users and creators to post, view, watch, and recreate DIY tasks ranging all domains: From Electronics to Mechanics to simple Interior Design. Since the content of the app is user-generated, it targets all audiences—from students trying to fix their bike tires, to grandmothers trying to learn how to cook a new dish. But “Maker” is only half of our app’s name. Indeed, the “Link” part of the app alludes to the creation and interaction between users through features such as communities, comment sections, direct messages and location-based matching. More specifically, the app contains the following features:

Features and Layout:

- **Sign Up / Log In** page. The user’s ID is encrypted using Base64 encoding with a salt.
- **Home Page:** Here the user can access all different features of the app: Content of the creators (videos, posts, documents, etc...), the playlists he created, the communities he participates in and the rankings and leaderboard.
- **Exchange Page:** This is where the tool lending occurs. The user can search for specific DIY tasks and tools, by simply typing or applying filters. Additionally, a Google Maps window is embedded, allowing one to locate the searched tool within the map. The app will facilitate the process of communication and discovery between the provider and the consumer.
- **Content Hub:** This is where the content (threads) of creators can be shared. These will usually be in the form of videos, posts, manuals, etc... All relevant contents of that specific domain will be clumped together and can be viewed by the user.
- **Communities:** Here people can communicate with one another: Share ideas, opinions, solutions, give feedback, and more.
- **Playlists:** Users can create public or private playlists which contain different DIY tasks grouped together. If public, other people can view and save these playlists. If private, the user can keep interesting threads on a dedicated page, which guarantees swift access.

- **Leaderboard Section:** This section is the gamification part of the project. On our app, users are given points and badges for app interactions such as posting or viewing. These are displayed on our leaderboard page.
- **Settings and Profile Sections:** Here, the user can keep up with friends, see the points and badges earned, change language (from Italian to Dutch to Albanian), log out, and perform other basic tasks.

VIZUALIZATION



Screenshot 1: Home Screen

9:41

Search

Playlists Meetups Ranking

DIY (Image of hands working with a hammer)

Domains >

- Electronics (Image of circuit board)
- Carpentry (Image of person working with wood)
- Bikes (Image of bicycle wheel)

Communities >

- Open Bikes (Image of person working on a bicycle)
- Enrollment required Electronics (Image of computer motherboard)
- Open Cooking (Image of food)

Home ⌂ ⌂ ⌂ ⌂ ⌂

Screenshot 2: Car maintenance Community

9:41

Car maintenance Open Community

How do I check the pressure of a tire

Nov 30, 2023, 9:41 AM

Of a car?
ldk.
Does anyone know?

Bruv just go to a mechanic.

Thanks for nothing.

No prob g.
Anytime.

Ask danny the mechanic for a discount on me

Message... ⌂ ⌂ ⌂

Screenshot 3: DIY video

9:41

DIY video

DIY article

Read Our DIY Guide

Comment section

@Ergi Durro This video was dope. Check the tire next. ⌂

Home ⌂ ⌂ ⌂ ⌂ ⌂

9:41

Leuven March 6

Filter Sort 99 results

\$24 \$19 \$9
\$57 \$13 \$16
\$45

Basic toolkit for handy DIY work

★ 4.8 (500 reviews) 1.2 miles

\$13 / hour Select

Tab Bar ⌂ ⌂ ⌂ ⌂ ⌂

Home ⌂ ⌂ ⌂ ⌂ ⌂

