

Self-Learning - Team 2 — Project Brief

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SELF-TEACHING APP (MVP)

Develop a platform for self-learners to get steps to take when learning each available course/technology and get matched with a mentor if assistance is needed

Goals

- Have a landing page that gives essential information about the app.
- Indicate interest in a course and view steps to take for that course
- Indicate need for assistance on a particular step
- Register as a mentor and select courses in your expertise
- As a mentor, view and respond to requests for assistance on steps in courses you indicated expertise in

Background Context - Problem Statement

I and many more of my friends are choosing to self-teach when getting into a career in tech. It is true that there are enough resources on the web but sometimes these resources are outdated since tech moves so fast. Other times, I get overwhelmed by the sheer number of them all – they are so many and everywhere and I don't know where to start.

A platform where I can find the exact steps of topics I should learn to achieve certain levels of proficiency would be really helpful. As I learn, I can also post the resources that helped me for others to view too and they can update it with their own resources and the time they used. That way, I know at a glance that it is either outdated or not, plus they can leave reviews.

It would also be great if I could chat with a mentor. Mentors are important but the ones I see are busy so take me on full-time so simple chats when I need help would be really helpful.

Target Audience

Students who are self- studying a particular tool/technology and want to be involved in a community learning

Mentors who are willing to give assistance to self-teaching students while not being fully responsible for their learning process.

Features (User Stories)

Landing Page

- As a user, I want to view information about what the app offers

Register/Login

- As a user, I want to be able to register either as a student or mentor with my email and chosen password
- As a user, I want to immediately fill in my profile with my contact details and other basic data
- As a user (Mentor), I want to indicate the courses I have proficiency in either during registration or later after I have logged in
- As a user, I want to login with my email and chosen password

View Available Courses and Steps

- As a user (Student and Mentor), I want to view all the courses on the platform
- As a user (Student and Mentor), I want to click on each course to get the steps I will take if I want to further my learning

Select Course

- As a user (Student) who has viewed the courses and steps on the platform, I want to update my profile to show the course from a dropdown of available courses that I am currently learning.

Request for Assistance

- As a user (Student), I want to change my profile to Requesting Assistance so a mentor can see it and choose to respond

View and Accept Requests for Assistance

- As a user (Mentor), I want to view requests for assistance in the courses that I earlier marked as having proficiency in
- As a user (Mentor), I want to accept that request and have my contact details display to the person

Success Criteria

Criteria	Metric
Implementation of the crucial features as listed above	Presence of feature and fulfilment of related user stories
App Performance Score on Lighthouse	>75%
Intuitive Interface	Ease of first-time (uninformed) user to properly grasp and complete all user stories
Code quality	>75% rating by Technical Supervisor

Roles

User Class 1 – User (Student)

User Class 2 – User (Mentor)

User Class 3 - Administrator

N/B: The Administrator is responsible for adding in the courses that form the content of the platform on launch. However this is **Not Required** and can be done manually from the backend.

Platforms for Inspiration/Content

Developer roadmaps (also guides and resources) from <https://roadmap.sh>

Visual overview of useful skills to learn as a web developer by andreasbm in <https://andreasbm.github.io/web-skills/#fundamentals>

Online learning platforms can be used to generate content from their table of contents

