



BOULDERING APP
DEVELOPMENT PROCESS

**WEEK 5
PROJECT**

INTRODUCTION

- ▶ Project Brief
- ▶ User Experience
- ▶ Software Planning(UML)
- ▶ App Functionality
- ▶ Proudest Code
- ▶ Main Learning Points



PROJECT BRIEF

- ▶ Based on Money Cashboard
- ▶ Bouldering app for Alien Bloc
- ▶ Climbers can create Climber Profiles.
- ▶ Workers can log Routes.
- ▶ Climbs can log when they complete a route.

Bouldering App Project

Bouldering Dashboard:

I want to start tracking successful attempts of bouldering routes at my local bouldering gym.

The user will be able to keep a record of their successful attempts and see how their friends are also progressing. The route's should also be selectable to find out more detailed information and those users who have completed it.

I must be able to input new successful attempts for a user which have an association with the record of the route.

MVP:

- Create new users of the app (climbers).
- Create a new bouldering route (routes).
- Display a list of all climbers.
- Display a list of routes.
- View climbers and the routes they have successfully attempted.
- View routes and the climbers who have successfully attempted them.

Possible Extensions:

- CRUD actions for the routes.
- Display the hardest climb achieved by a climber.
- Set a goal of difficulty level when achieved redirected to a congratulations page and prompted for a new goal.
- Add a difficulty opinion to a route when a climber has successfully completed it for feedback to the bouldering gym route setter.
- Display routes where climbers feel they are easier/harder than route setter intended.

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UX

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<p>Name: Sandra</p> <p>Age: 29</p> <p>Gender: Female</p> <p>Born: France</p> <p>Lives: Edinburgh</p>	<p>Behaviours:</p> <ul style="list-style-type: none">• Keen climber of intermediate level.• Works on shift rota so struggles to find routine although goes 3 times a week.• Tries to make friends and be sociable during sessions.• Struggles to keep up to date with friends.• Gets frustrated when performance plateaus.
<p>Demographics:</p> <ul style="list-style-type: none">• Chef at Vegetarian restaurant.• Currently lives in rental accommodation.• Fitness enthusiast.• Earns £25k• Single	<p>Needs and Goals:</p> <ul style="list-style-type: none">• Wants to keep a record of routes climbed and their difficulty.• Wants to friends progress and successes.• Wants to see all of the available routes.• Would like to be part of a climbing group to socialise digitally.

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As a..	I want to...	So that...
As an intermediate level climber who is motivated to climb harder routes.	Keep a record of my successes	I can see my progress.
As a person with a varied schedule	Keep up to date with climbing friends digitally	I can maintain friendships and meet more people.
As a person who sometimes climbs alone	Read other users tips and advice for difficult routes	I improve my climbing skills and complete higher difficulty routes.
As someone who is trying to be sociable through sport	Have a means of connecting with other climbers	I can view their profiles and be reminded of their name when I see them in person.
As a expert climber setting less difficult routes	Encourage feedback on routes from customers	I can improve the customer experience.
As climbing enthusiast	Gather data on popular routes	Find out what users enjoy and prioritise that.
Bouldering gym owner	Reward membership through special features	I can encourage customer loyalty
As a route setter	Have a record of all routes and the dates they were set	I can ensure I don't take down routes before climbers have time to try them or visa versa.

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User journey ^{user}
Your name Create ^ profile and add Climb

Date _____



User action

On homepage click to
create user profile.

1 Start

User action

User inputs their
information and
clicks submit
2

User action

Clicks on route that
they've completed to
3 add their successful
climb.

User action

User submits the
form
4

System response

Changes screen to
user profile form.

System response

System saves information
to database and redirects
user to list of routes

System response

System redirects to
form to input their
user_name from drop down
climb and their review

System response

Database is update
and the view is added
to the route with the

User action

User selects another
users route to
5 read their review

User action

User selects the route
and a "Show tip"
6 which shows hidden
advice.

User action

7

User action

8 End

System response

System redirects to
the inputted review
pulled from the database

System response

System includes the
comment which was
inputted by route setter.)

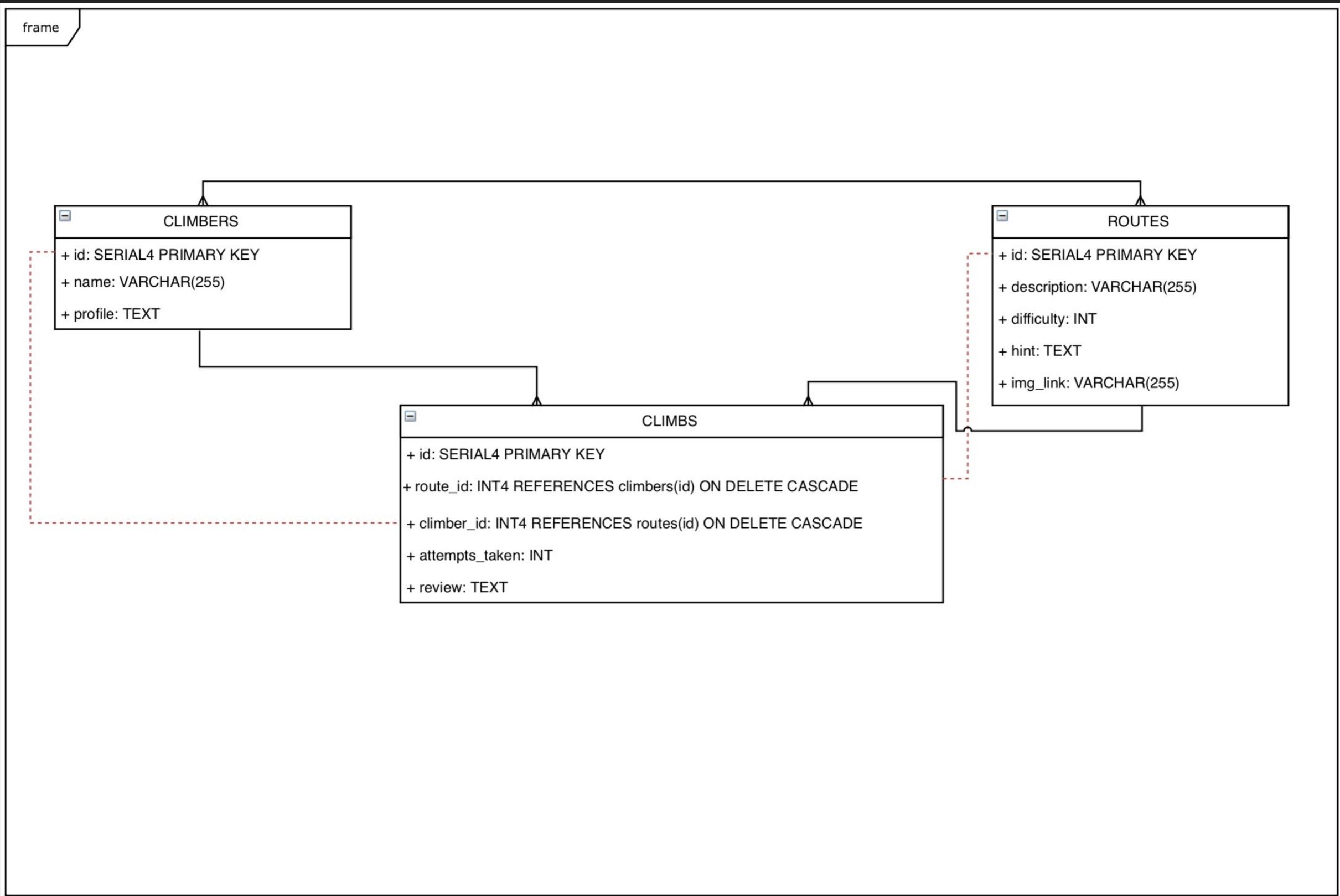
System response

System response

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PROCESS

UML DIAGRAMS

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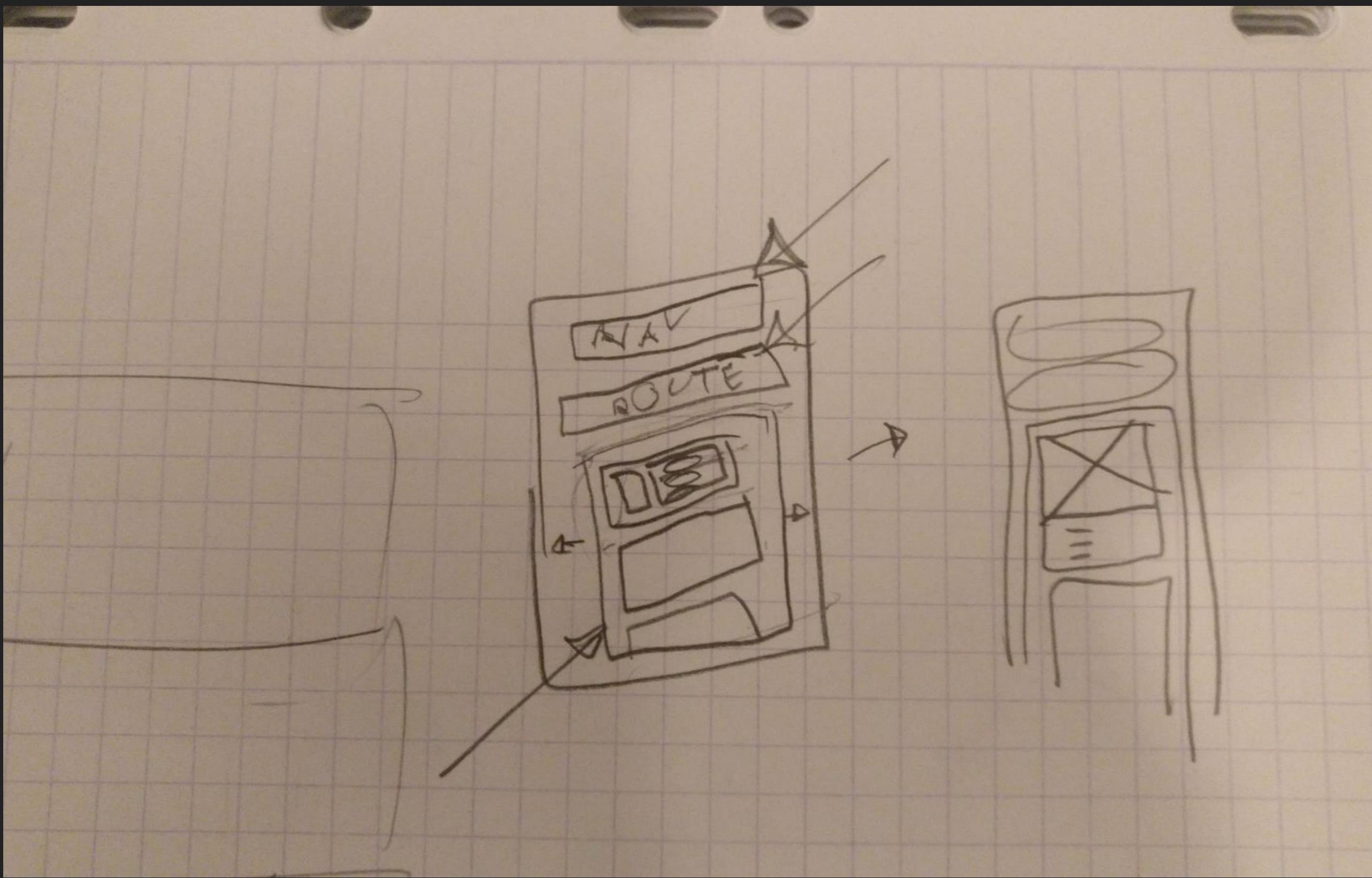
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APP FUNCTIONALITY

BOULDERING APP DEVELOPMENT
PROCESS

PROUDEST CODE

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BOULDERING APP DEVELOPMENT PROCESS

MAIN LEARNING POINTS

MAIN LEARNING

- ▶ If you're not getting errors you're not coding.
- ▶ Everything can be fixed.
- ▶ The internet holds all the answers.
- ▶ Time management is essential.
- ▶ There's nothing wrong with asking for a pep talk.

