

Sleepless_nights: Cycle Story - logging and sharing made easier

Team members:

Martin M. - Interviewer, Coordinator

Gal D. - Observer, powerpoint

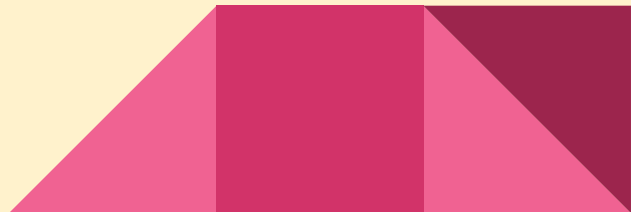
Jasmin K. - Usability testing, documentation

Patrik S. - Final app and design

Everybody (Powerpoint, documentation, app, sketches for design)

Value Proposition

- Helping cyclists stay connected by turning solo rides into shared journeys.
- An app that makes documenting and sharing bike trips effortless, keeping cyclists connected even when they can't ride together.




Problem and solution

Problem:

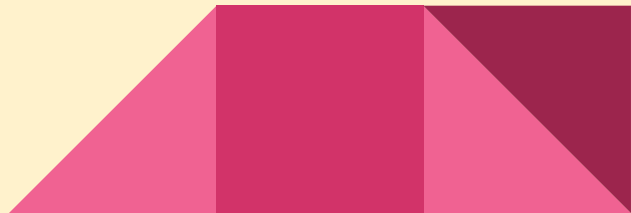
- Cyclists often ride alone and miss out on shared experiences that increase enjoyment and long-term engagement.
- Many want to connect their rides with friends, but coordinating and sharing journeys is difficult with current tools.

Solution:

- An app that lets users document and share their journeys together with photos and videos
 - Automatic GPS ride logging so trips are always saved without extra effort.
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Tasks

1. Task 1: Starting a new journey (Easy)
2. Task 2: Adding a friend (Easy)
3. Task 3: Changing your personal information (Hard)
4. Task 4: Creating a journey in advance at a specific location (Hard)



Task 1

1. Task(Start a new journey at this moment)(Easy)

Look down at the bottom of the page

Find the navigation bar

Find "Home"

Click "Home"

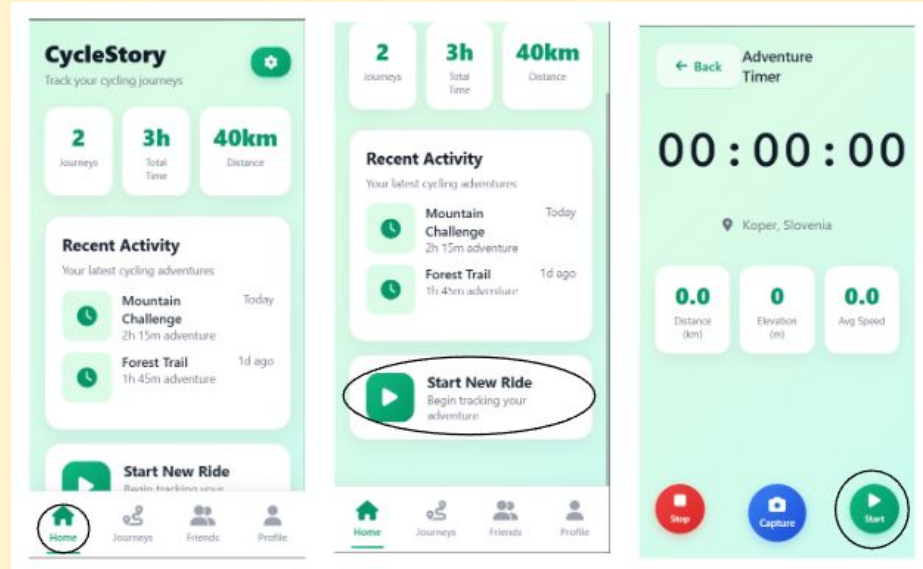
Find "Start a new ride"

Press "Start a new journey"

Look above the navigation bar

Find the "Start"

Click "Start".



Task 2

2. Task(Add a friend)(Easy)

Look down at the bottom of the page

Find the navigation bar

Find "Friends"

Go to the "Friends" page

Find "Add"

Click on "Add"

Find the label "Friend's Email or Username"

Look below and find "Enter Email or username" input

Enter your friend's Email or username

Look below and find "Send Friend Request" button

Click the "Send Friend Request" button

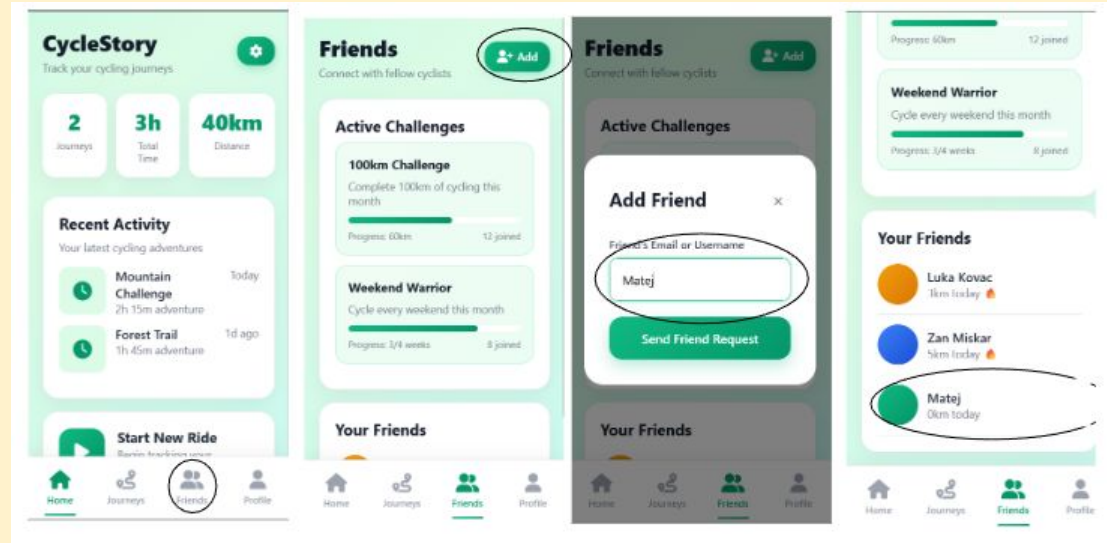
Look at the "Friends" page

Scroll down

Find "Your Friends" label

Look below and find your friends

See if your friend accepted your request



Task 3

3. Task(Change your personal information in settings)(hard)

Look down at the bottom of the page

Find the navigation bar

Find "Profile"

Click "Profile"

Look at the center of the page

Find "Edit Profile" button

Click "Edit Profile" button

Find the "Name" label

Look below and find "Enter your name" input field

Enter your name

Find "Username" label

Look below and find "Enter username" input field

Enter your desired username

Find "Email" label

Look below and find "Enter your email" input field

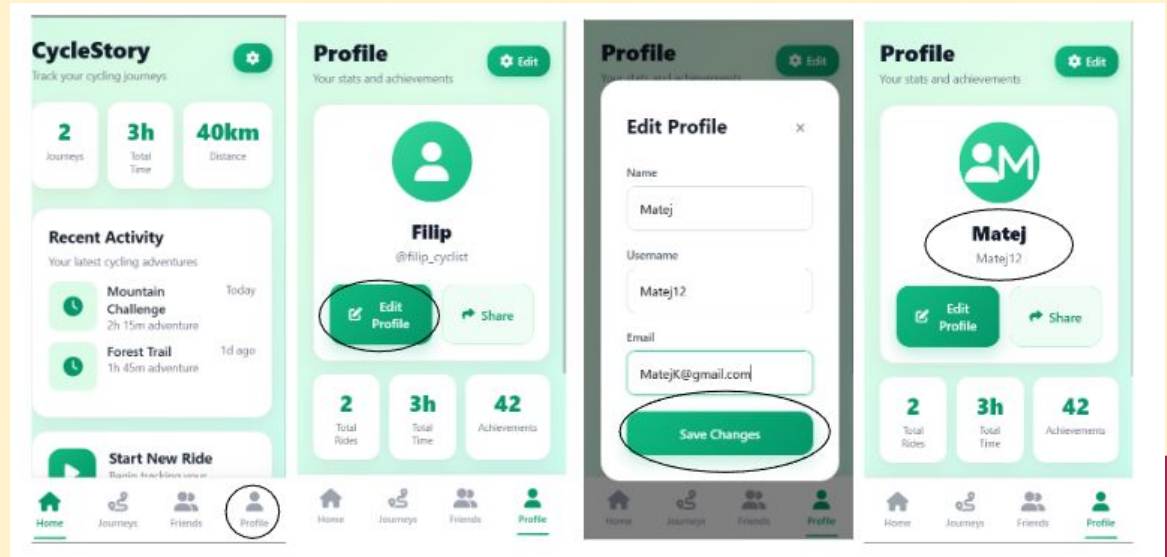
Enter your Email

Look below and find "Save changes" button

Click on "Save changes" button

Look at the profile

See the changed information



Task 4

4. Task(Schedule a journeys in advance at a specific location)(Hard)

Look down at the bottom of the page

Find the navigation bar

Find "Journeys"

Click "Journeys"

Find "new"

Click on "new"

Find the "Journey name" label

Look below and find the "Enter journey name" input

Enter your journey's name

Find the "Location" label

Look below and find the "Enter location" input field

Enter your desired location of the journey

Find the "Duration(in hours)" label

Look below and find the "Enter duration" input field

Enter your desired duration of the journey

Find the "Distance(in km) label"

Look below and find the "Enter distance" input field

Enter your desired distance of the journey

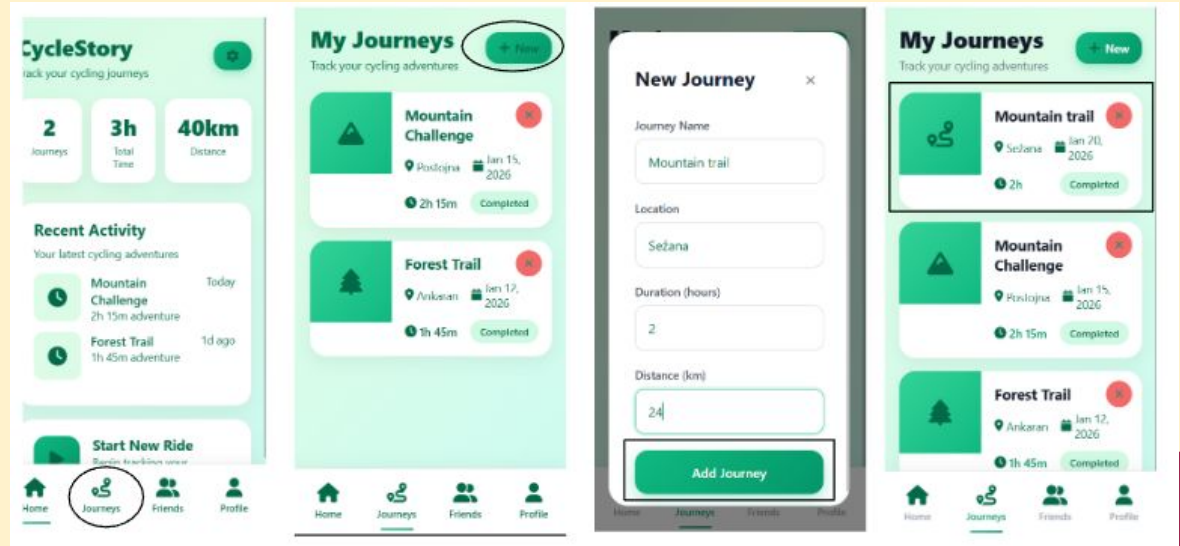
Look below and find "Add journey" button

Click "Add journey button"

Look at the journey page

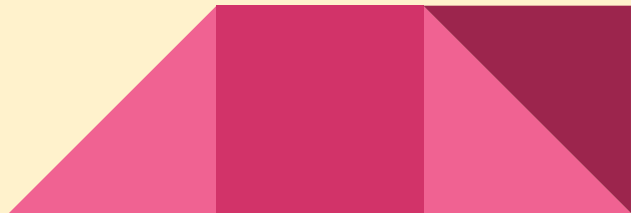
Find My journeys

Look below at your created journey



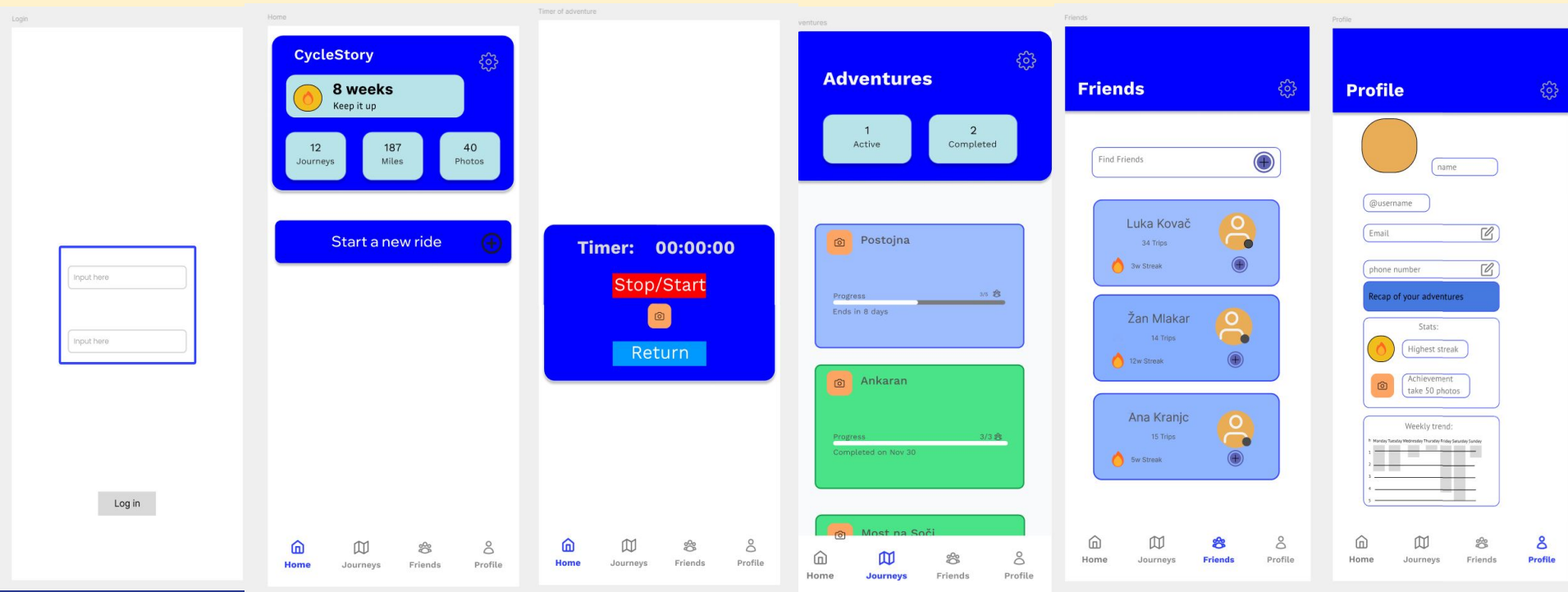
System Overview (Core Tasks)

- Log rides automatically using GPS with optional photo and video capture.
- Prompt riders to take photos/videos at key locations through smart reminders.
- Create shared journeys by combining individual rides from friends into one storyline.



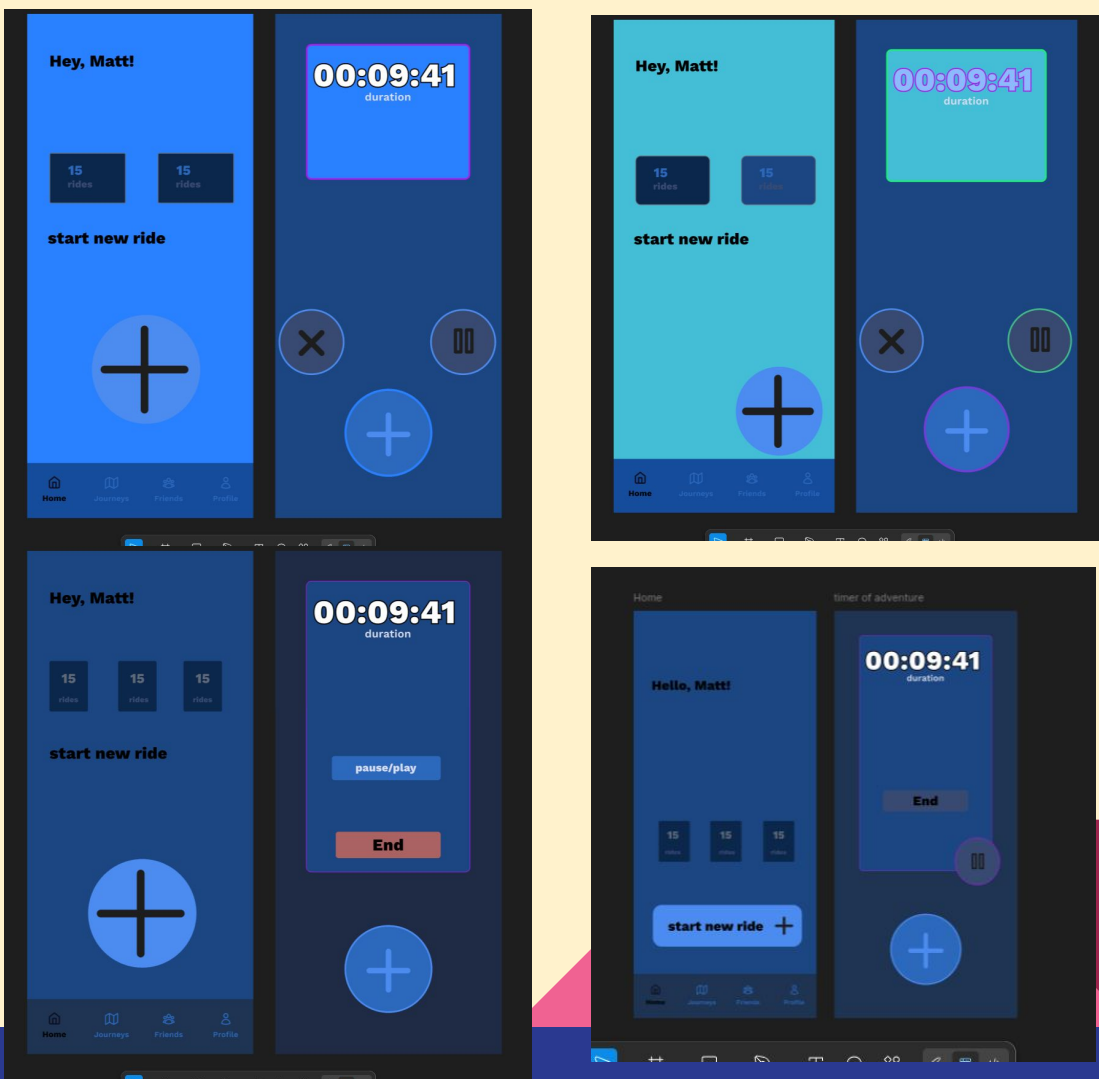
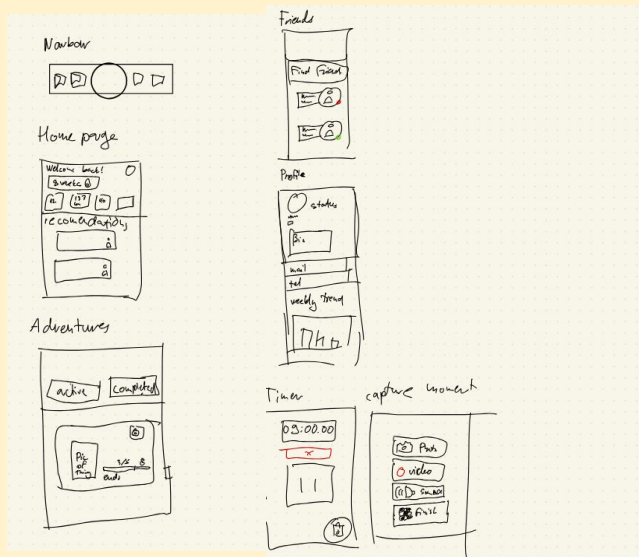
Initial Prototype & Evaluation

We started with our first design during the design challenge



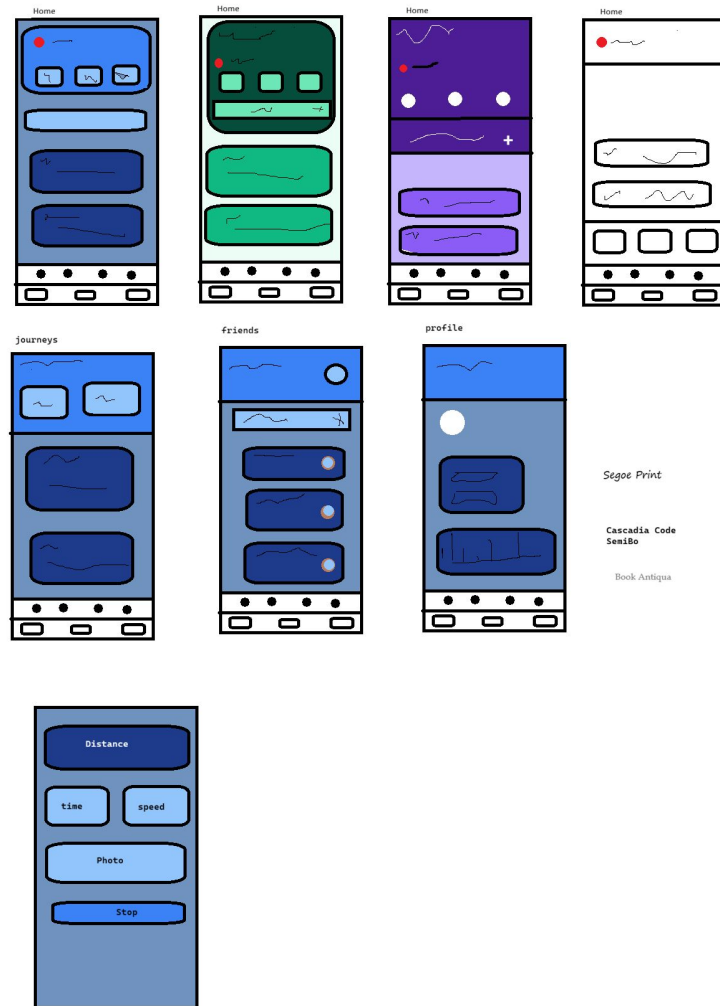
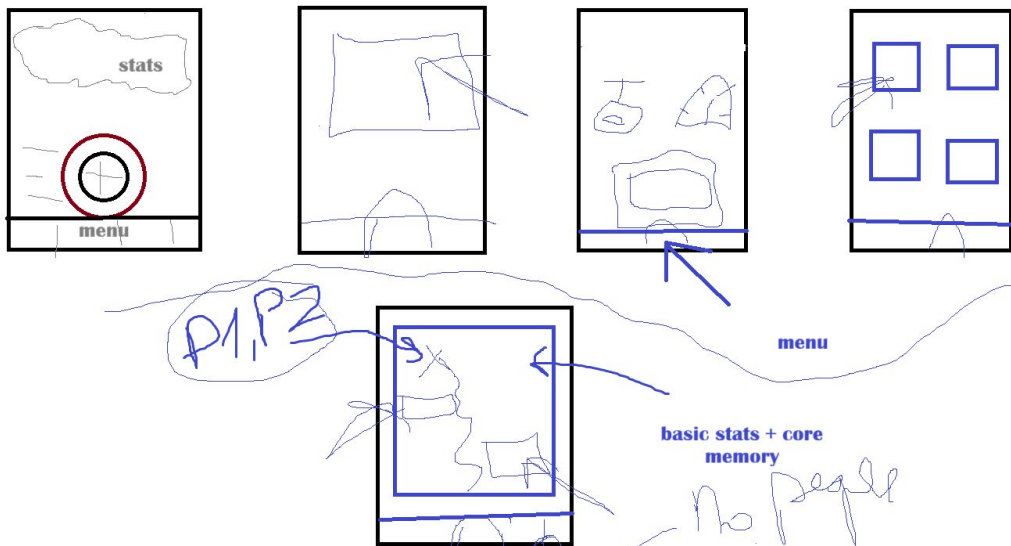
Quick designs

After that we decided that everyone takes time and draws out their preferred design that would work for our app:



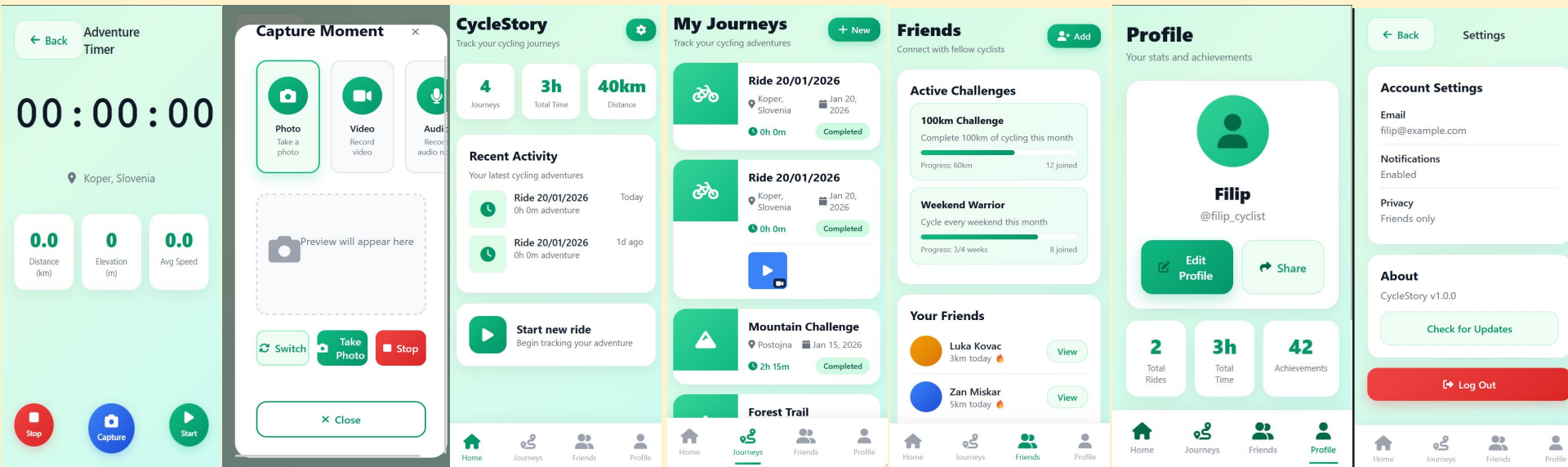
Quick designs

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Final design app:

After a discussion what would work we took some of the ideas from everyone and combined them together and got the final design:

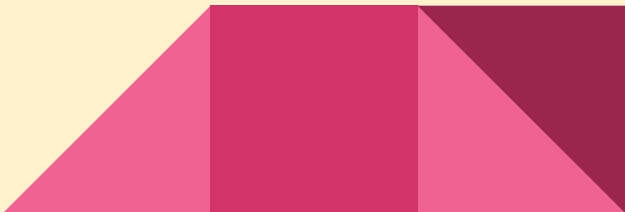


Design Overview

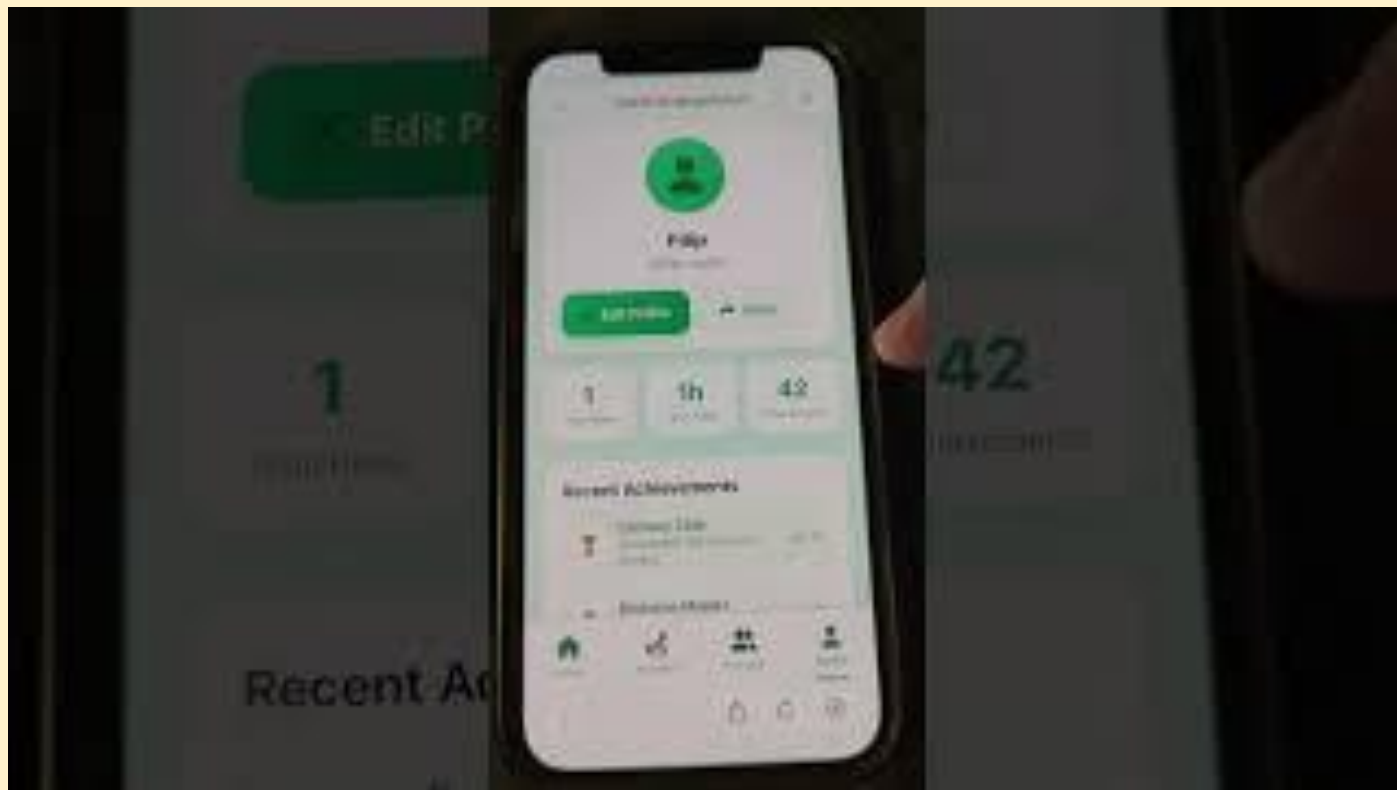
Concept

- Mobile app that logs rides, captures media, and creates shared journeys.
- Turns solo rides into social, collaborative experiences.

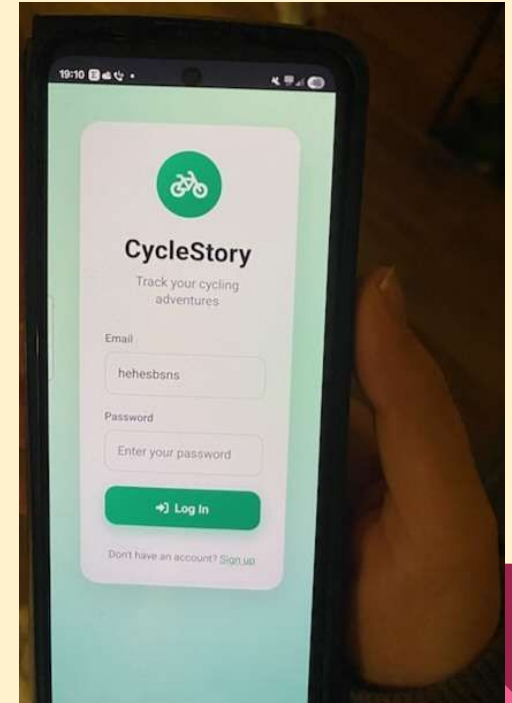
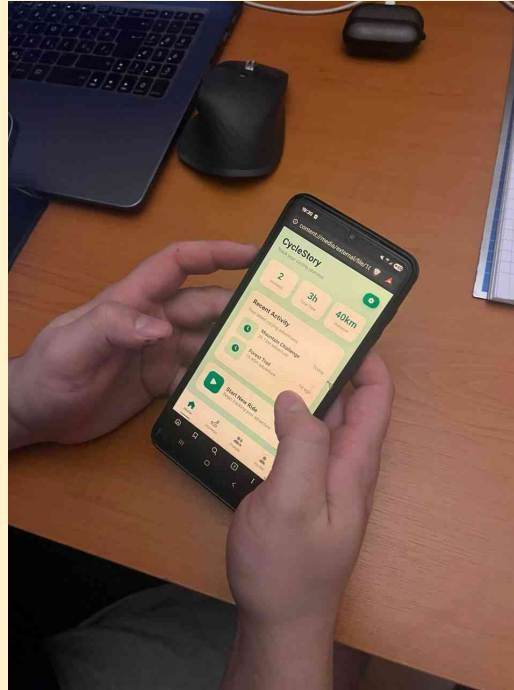
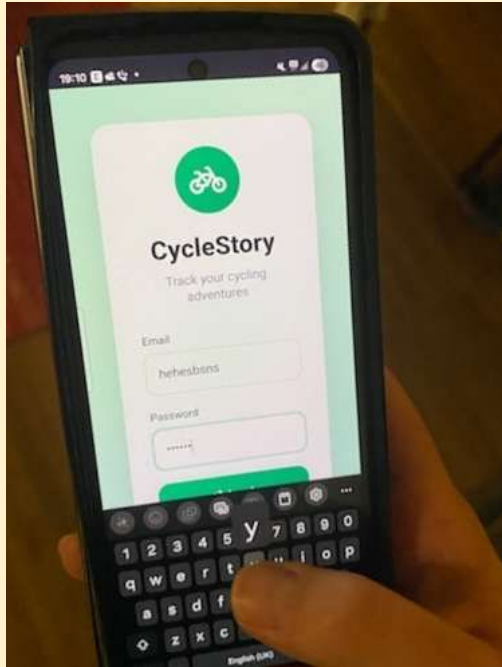
Core Ideas

- Automatic ride tracking
 - Easy photo/video capture
 - Combined journeys with friends
 - Motivational summaries and challenges
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Video



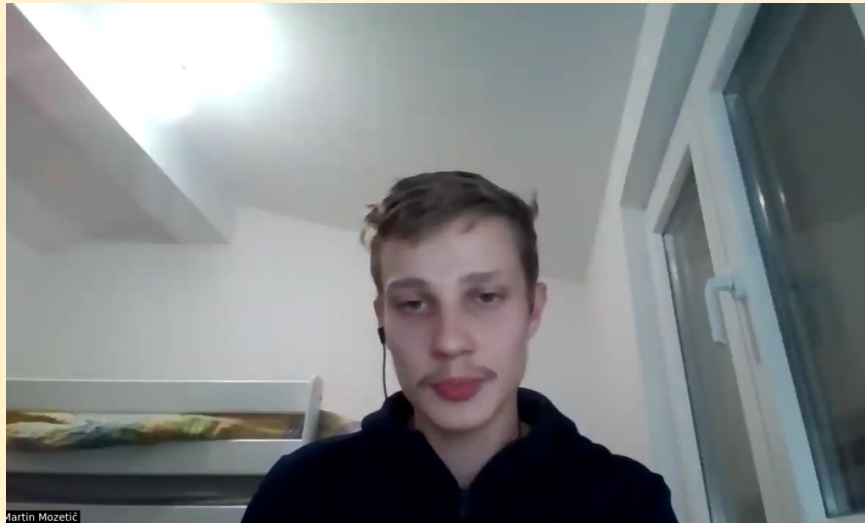
Testing of finished app:



Studies and Major Usability Problems Addressed

Study group - design sprint (Interviewer: Martin; Observer: Gal):

- logging activities rather than complex features
- More stats and seamless syncing with devices (the latter wasn't possible due to time constraint)



Studies and Major Usability Problems Addressed

Usability study:

- People that tested our app thought it was good and only needed a little refinements that being GPS

USERS	EASY TASK 1	EASY TASK 2	COMPLEX TASK 1	COMPLEX TASK 2	DEMOGRAPHIC
user 1	3s	9s	14s	30s	female, age 26
user 2	2s	8s	13s	28s	male, age 25
user 3	4s	10s	15s	31s	female, age 23
user 4	3.5s	8s	15s	32s	male, age 24
user 5	4s	8s	14.5s	31.5s	male, age 30
user 6	3s	8.5s	15s	33s	male, age 20
user 7	3s	8s	14s	34s	male, age 22

Studies and Major Usability Problems Addressed

Heuristics (both tested by group Mijangosi):

- Design sprint: error prevention and help / user guidelines

person/heuristic	1	2	3	4	5	6	7	8	9	10
1	FALSE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE
2	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE	FALSE	FALSE
3	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE

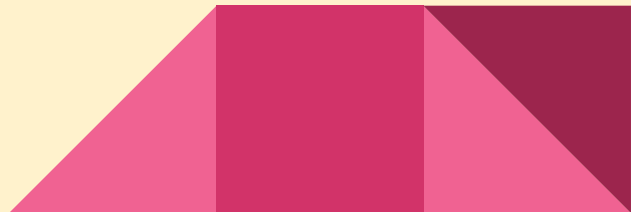
- Project: Lack of changing color although they liked the color scheme

person/heuristic	1	2	3	4	5	6	7	8	9	10
person1	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
person2	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE
person3	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE

Prototype Implementation

Tools that helped us:

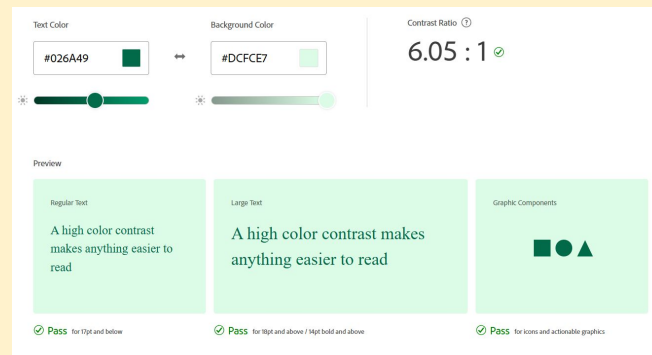
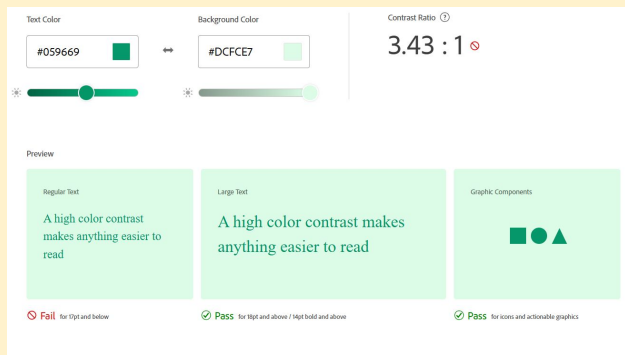
- Figma enabled rapid prototyping and early identification of issues, saving development time.
- GitHub simplified collaboration, fast deployment
- YouTube Tutorials helped the team follow UX/UI best practices.
- Html/CSS/JavaScript (Visual Studio Code)



Prototype Implementation

Tools that helped us:

- Adobe Color ensured proper contrast and visual balance (had to adjust)



Tools that didn't help us:

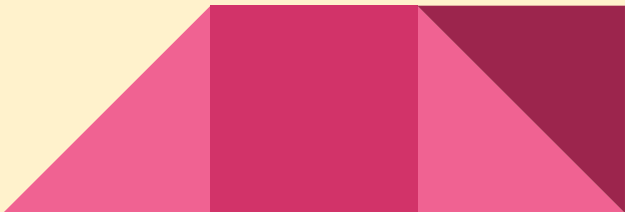
- React (too complicated to learn)

Prototype Implementation

Wizard of Oz:

- real-time location detection (GPS)

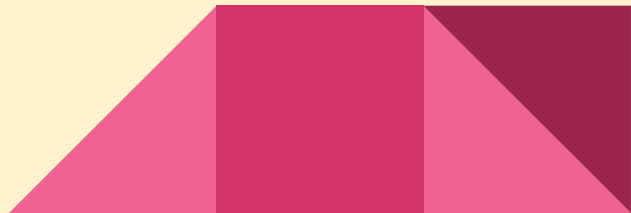
Hardcoded (if production would have been solved):

- friends lists (altho addable)
 - profile info (altho editable)
 - Location detection (GPS)
 - Journey list
 - achievements
- 

Prototype Implementation

Future improvements include:

- real-time location tracking
- a server-based database
- user authentication
- Node.js backend with a database




Summary

All in all:

- great learning experience
- Not all people will love it but not all..
- Casual riders and the ones that watch the landscape/nature

Things that were not feasible (only commercial product):

- Syncing with devices
 - Proper GPS tracking
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Resources

Slides: https://docs.google.com/presentation/d/1X5F-sDzlJRKqwlE4xtL3glPTNcFzP2p_ANcHXKNjWDE/edit?usp=sharing

Docs: <https://docs.google.com/document/d/11wieuFM0aRKj5Jlzd3oIFL0pwOW1EIVM0TCWwbMh3AA/edit?tab=t.0>

Focus group recording:

https://drive.google.com/file/d/1EYDnQfVOBdIKi2j_1SHtJMfwrk1xmLGX/view?usp=sharing

Final App: <https://drive.google.com/file/d/1E1VzRqLi1kQw6dAFpwQZzQygSW9h-NCK/view?usp=sharing>

<https://brainwreck6.github.io/Cycle-Story/CycleStory.html>

Video:

<https://drive.google.com/file/d/1EvTJZEBs6Mry6KRfovbOTLwCDa7jrAFc/view>



Thanks for listening

