DE-FACE: DEEP FAKE & CATFISH DETECTION PROPOSAL

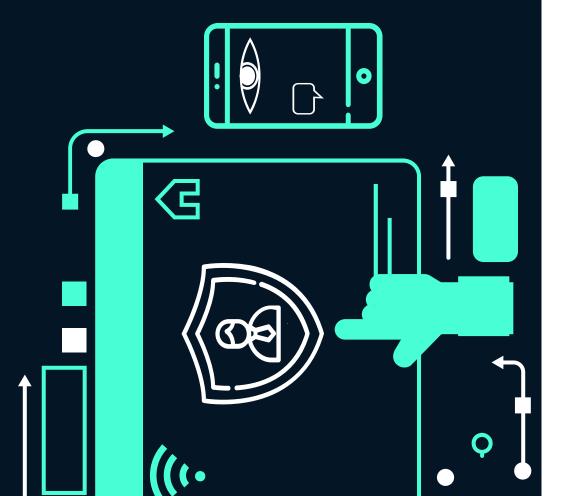


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OUR IDEA

We are looking to application as a solution to security issues such as deep fakes and personal photos being stolen online.

This would provide people with control over their own images. It would stop images being stolen and indoctrinated into suspicious sites and used against them.

WHAT WE ARE WORKING ON



SECURE

Make sure our app is secure and does not share any private information about our users



ACCESSIBLE

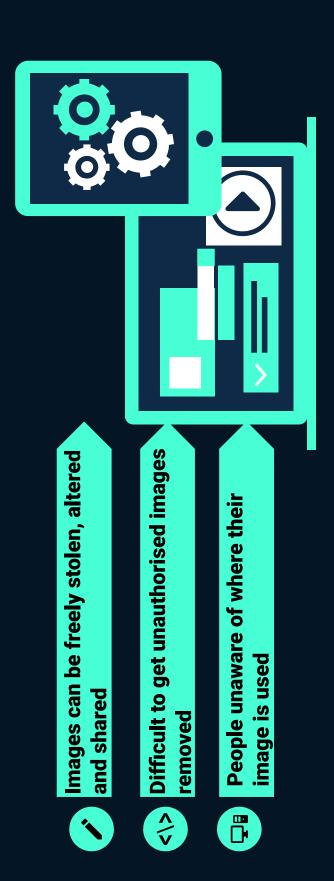
Allow our app to be accessible by all users and make sure it is easy to use



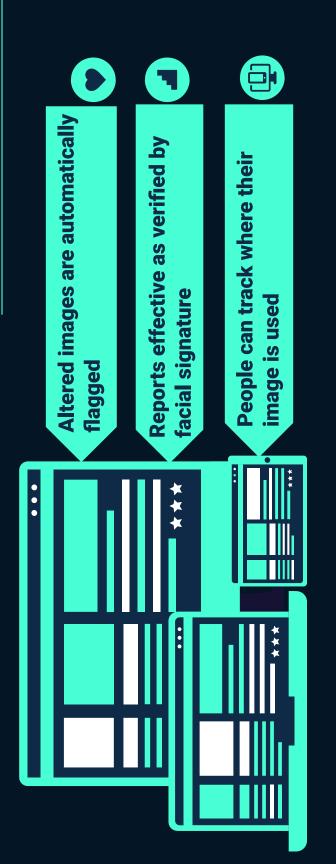
FAST AND RELIABLE

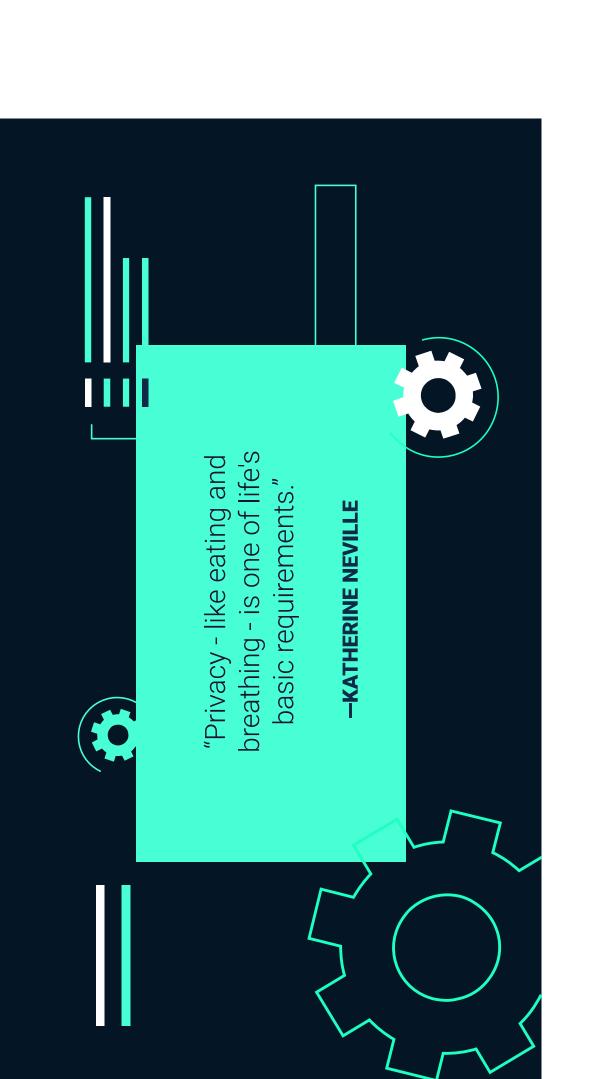
Make sure the app runs smoothly and if there is a problem for it to be resolved quickly.

NON NON



FUTURE





MAJOR REQUIREMENTS



where users are able to A program to scan social networks for matching of a facial signature must be developed

encrypting facial signatures A system of verifying and ensure all information is must be developed to

allow and report which

accounts post their

images



User Stories

photos have been stolen from any of my profiles so that I know all my •User Story. As a social media user, I want to be able to check if my images are under my control.

When: the user scans their face. Then: the software will check if this face Acceptance criteria. Given: A user has a social media account online. appears on any other social media accounts. •User Story. As a social media user, I want the option to flag stolen photos so that I can get them removed online.

belonging to the user. When: The user clicks "not mine". Then: A report to Acceptance criteria. Given: The software finds photos on sites not get that photo removed will be sent to the site.



User Stories

•User Story. As a developer, I want there to be facial verification before the service is used so that only the owner of the face can remove their

with their face. When: Their face is scanned. Then: It will only finds images **Acceptance criteria.** Given: A user is looking to find images associated associated with that facial signature.

•User Story. As a developer, I want to give the option to automatically scan for a users images so that videos and images of them that have clearly been altered can be automatically reported.

images *When:* An altered video showing their face is found *Then:* a report **Acceptance criteria.** Given: A user has chosen to automatically report will automatically be sent to the site to remove this.

BUDGET

40%

UX RESEARCH

10% DATABASE

20%

PROGRAMMING

30%

WEB DESIGN

OUR GOALS



USABILITY

A simple web application that is accessible from any device that allows user to set up an account for continuous use



AVAILABILITY

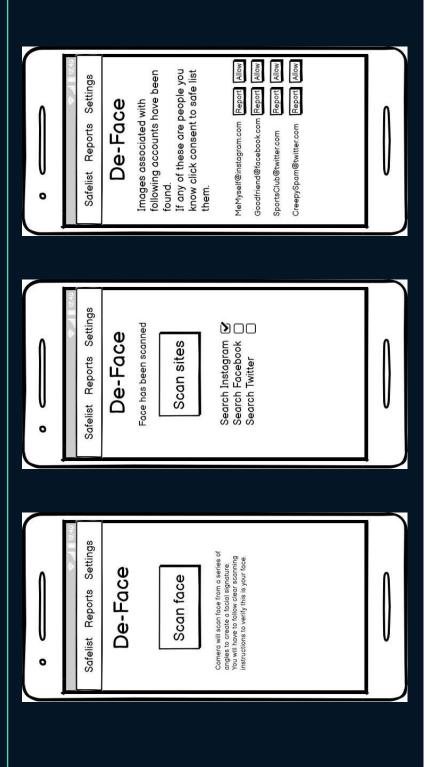
A free application available for anyone to use that can be applied to whatever sites they choose to scan through



EXPANSION

To gain credibility and trust from social networks so that we can work with them as a way of verifying and reporting images

Low fidelity Mobile Wireframe



PROJECT STAGES

STEP 1

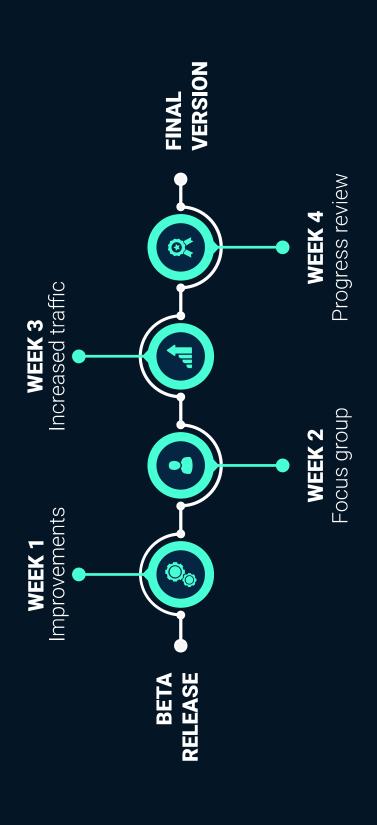
Planning: Team came together and generated ideas until we had a detailed for our project

STEP 2

Designing: Iterative cycle of research, design and development of our ideas took place. Followed scrum meeting structure to discuss what had been done and need to be done each day

Testing: Ideas were tested ensure it would work in the user environment.
Improvements and alterations made to our project until it was market ready.

OUR TIMELINE



THE TEAM



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THANKS!

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CREDITS

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