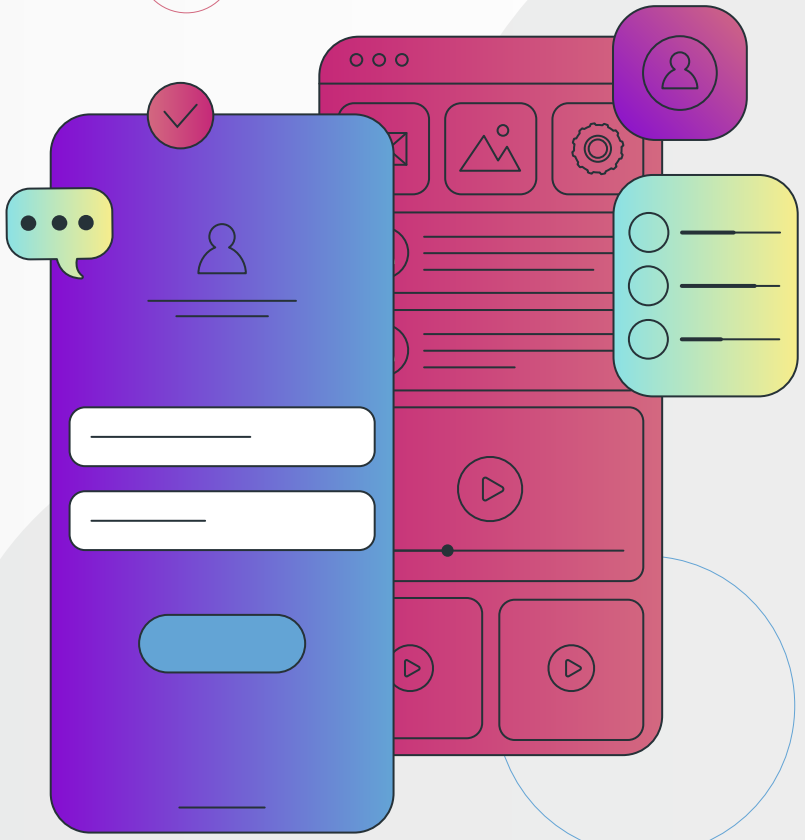
DYSLEKSI OG CHATBOTER

Gruppe 6



1 INTRODUKSJON

- Lite forsket på dysleksi i forhold til blinde
- Leste om dyslektikere og hvordan de ofte føler seg misforstått

> *"The need to not feel different may be closely related to low self-esteem, which is reported to be a key issue in people with dyslexia, both adults and children, and especially among females"*. (Berget & Fagernes, 2018)

2 PROBLEMSTILLING

Hvordan fungerer språk og uttale sammen med chatbots for å sikre at Universell Utforming er på plass?

Hvis en bruker med dysleksi velger å bruke en chatbot, er det mulig for denne personen å føle seg forstått og utføre oppgaven som trengs?

3 METODER

SPØRREUNDERSØKELSE

UIO spørreskjema

Knapper

Utforming av spørreskjema

Fokus på enkelhet
Tekst til tale

Målgruppe

15-50 år

3 METODER

LITTERATUR

- They often avoid text. Chatbot for young adults with dyslexia (Lilleby *et al.*, 2021)
- Accessible conversational user interfaces: considerations for design (Lister *et al.*, 2020)
- Android based educational Chatbot for visually impaired people (Kumar *et al.*, 2016)
- Funka Nu (2019) *"Universell utforming av chatbots"* Rapport med sjekkliste
- Gerd Berget, Oslo Met
  Fikk tips om relevante forskningsartikler

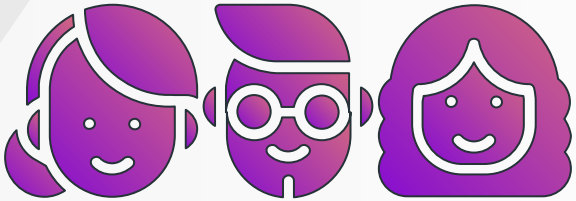
3 METODER

WCAG

Web Content Accessibility Guidelines (*Web Content Accessibility Guidelines (WCAG) 2.1*, no date)

AMERSHI et. al.

Guidelines for Human-AI Interaction by Amershi et. al. Amershi et. al (2019)

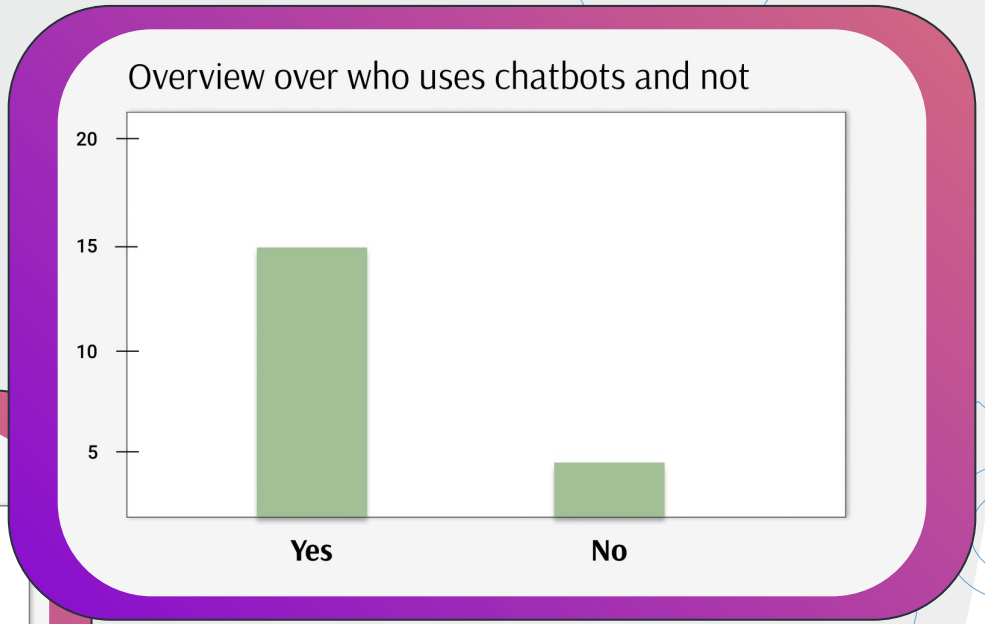


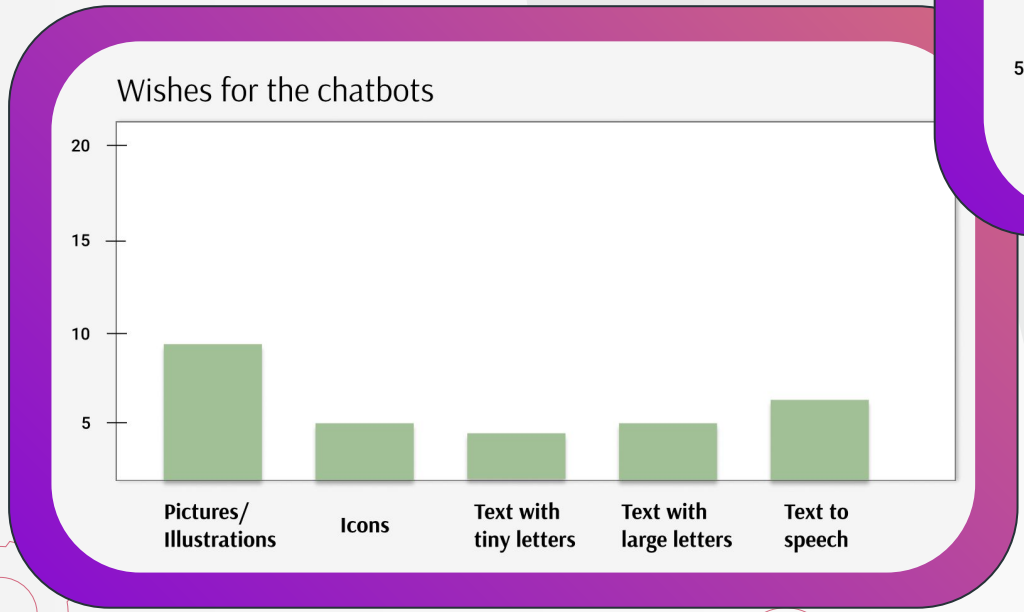
EN LØSNING FOR ALLE

4 RESULTAT

Spørsmål:
Bruker du chatboter?
Hvis nei, hvorfor ikke?
Hvis du kan velge mellom chatbot og personlig hjelp, hva velger du?
Hvordan opplever du å bli satt over fra en chatbot til en ekte person?
Bruker du en form for tekst-til-tale funksjon?
Hvordan ønsker du helst at innholdet i chatboten skal være?
Hvis det ikke var noen begrensninger, hva skulle du ønske at en chatbot kunne inneholde for at det ble lettere å forstå?

4 RESULTAT


Overview over who uses chatbots and not
20
15
10
5
Yes
No


Wishes for the chatbots
20
15
10
5
Pictures/ Illustrations
Icons
Text with tiny letters
Text with large letters
Text to speech

4 RESULTAT

Hvorfor de ikke bruker chatboter

De er ofte for primitive og gir ikke de svarene jeg trenger

Frykten for å bli missforstått av chatbot som ikkje er tilpassa mitt språk og mine eventuelle skrive feil. Og at den henger seg opp å ikkje forstår kva eg skriv. Eg ser ikkje sjølv at det eg skriv er feil, blir som om den gjer narr av meg når den ikkje forstår det eg skriv. Så difor ungår eg dei så langt det går ann.

Er for gammeldags til å snakke med ring som ikke er levende. Men har heller ikke prøvd det i forbindelse med Dysleksi, så jeg vet ikke så mye om det.

4 RESULTAT

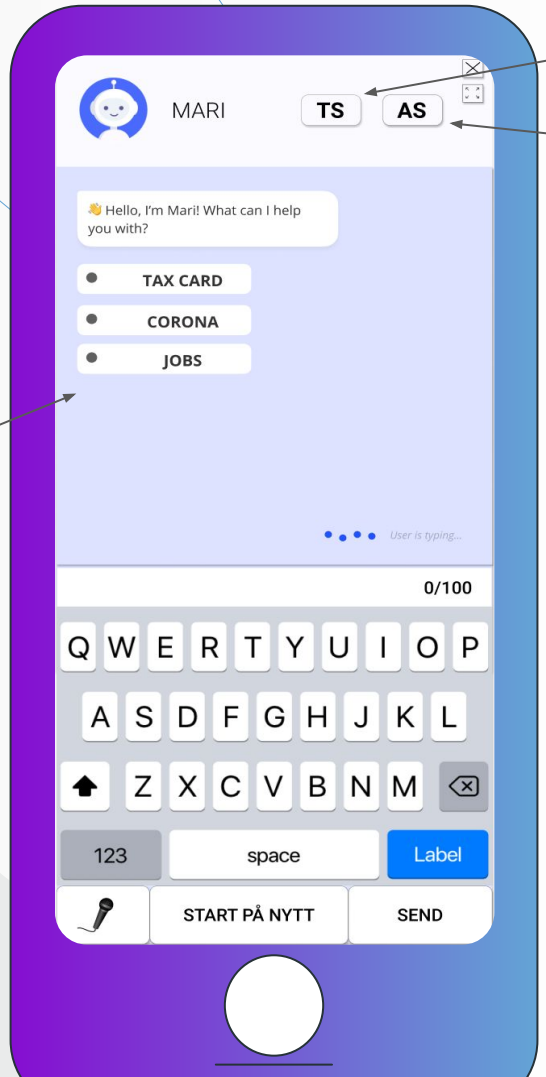
WCAG 2.1, pattern matching techniques by Kumar et al., (2016), and Human-AI Interaction by Amershi et. al. (2019), our first draft of recommendations is presented below:

- Lesbar tekst
- Forståelig tekst
- Fullskjerm knapp
- Selvlærende Chatbot
- Tekst til Tale
- Gi brukeren mulighet til å bruke sin egen stemme
- En mekanisme som hjelper brukeren å forstå betydning av ord
- Auto korrektur
- La brukeren forstå hva chatboten kan gjøre.
- Knapper istedenfor tekst
- FAQ - Frequently asked questions

4 RESULTAT

Skisse bygget på sjekklisten for universell utforming (Figma)

Vår prototype av chatbot



Spørsmål?

Solveig

Sigrid

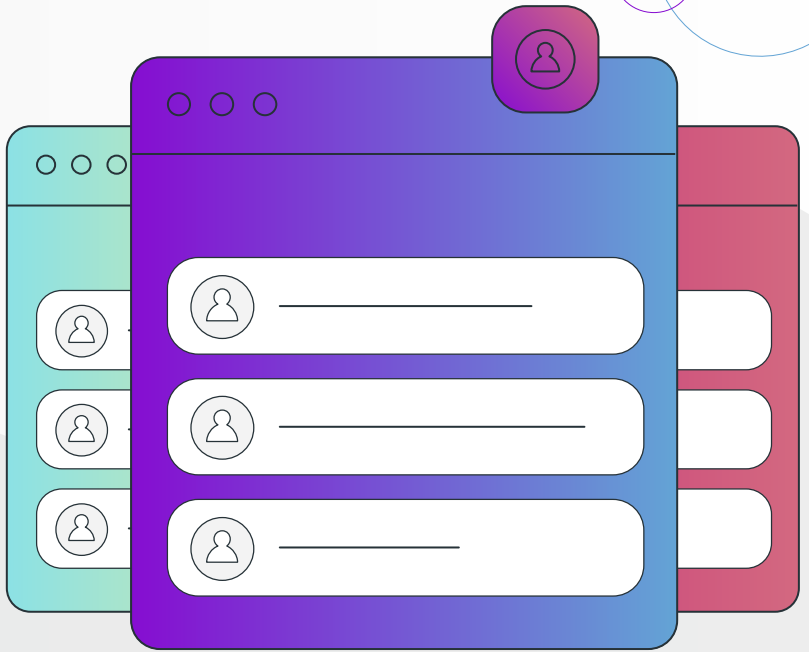
Vibeke

Mari Cathrine

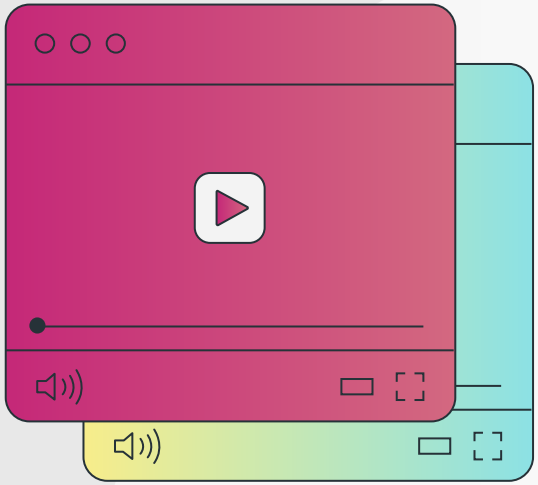
Takk for oss!

WHOA!

This can be the part of the presentation where you can introduce yourself, write your email...



WHAT IS USABILITY?



Do you know what helps you make your point clear? Lists like this one:

- They’re simple
- You can organize your ideas clearly
- You’ll never forget to buy milk!

And the most important thing: the audience won’t miss the point of your presentation

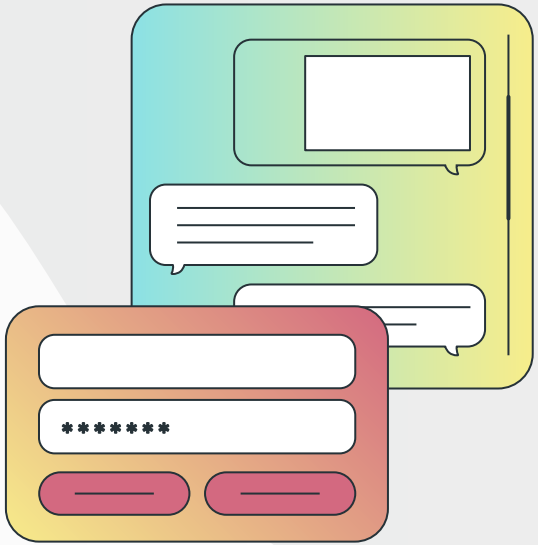
TWO IMPORTANT CONCEPTS

User

It’s the closest planet to the Sun and the smallest in the Solar System

Efficiency

Mercury is the closest planet to the Sun and the smallest one



USE OF TOOLS

Mobile

Venus is the second planet from the Sun

Software

Jupiter is the biggest planet of them all

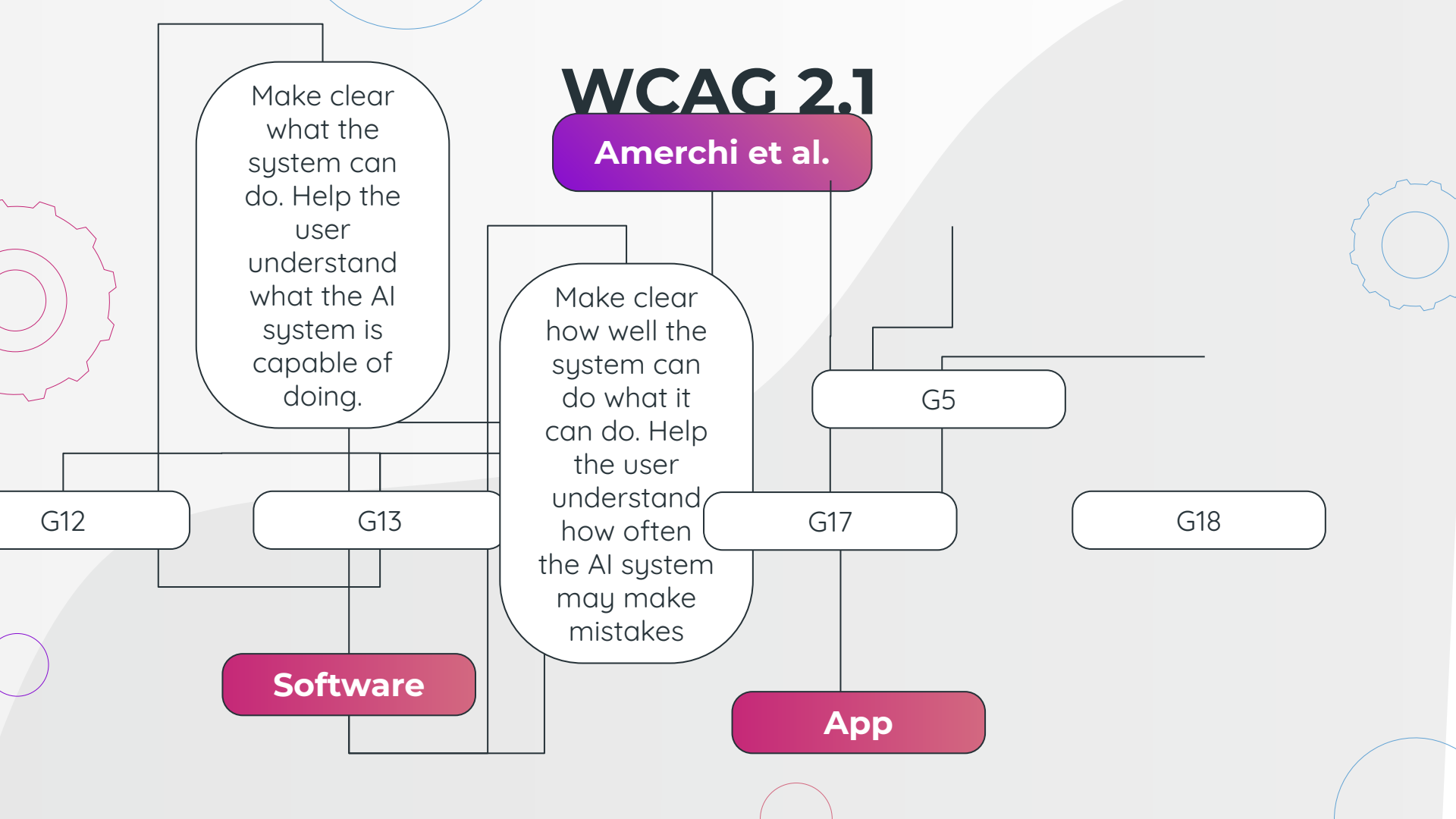
App

Despite being red, Mars is a cold place

Web

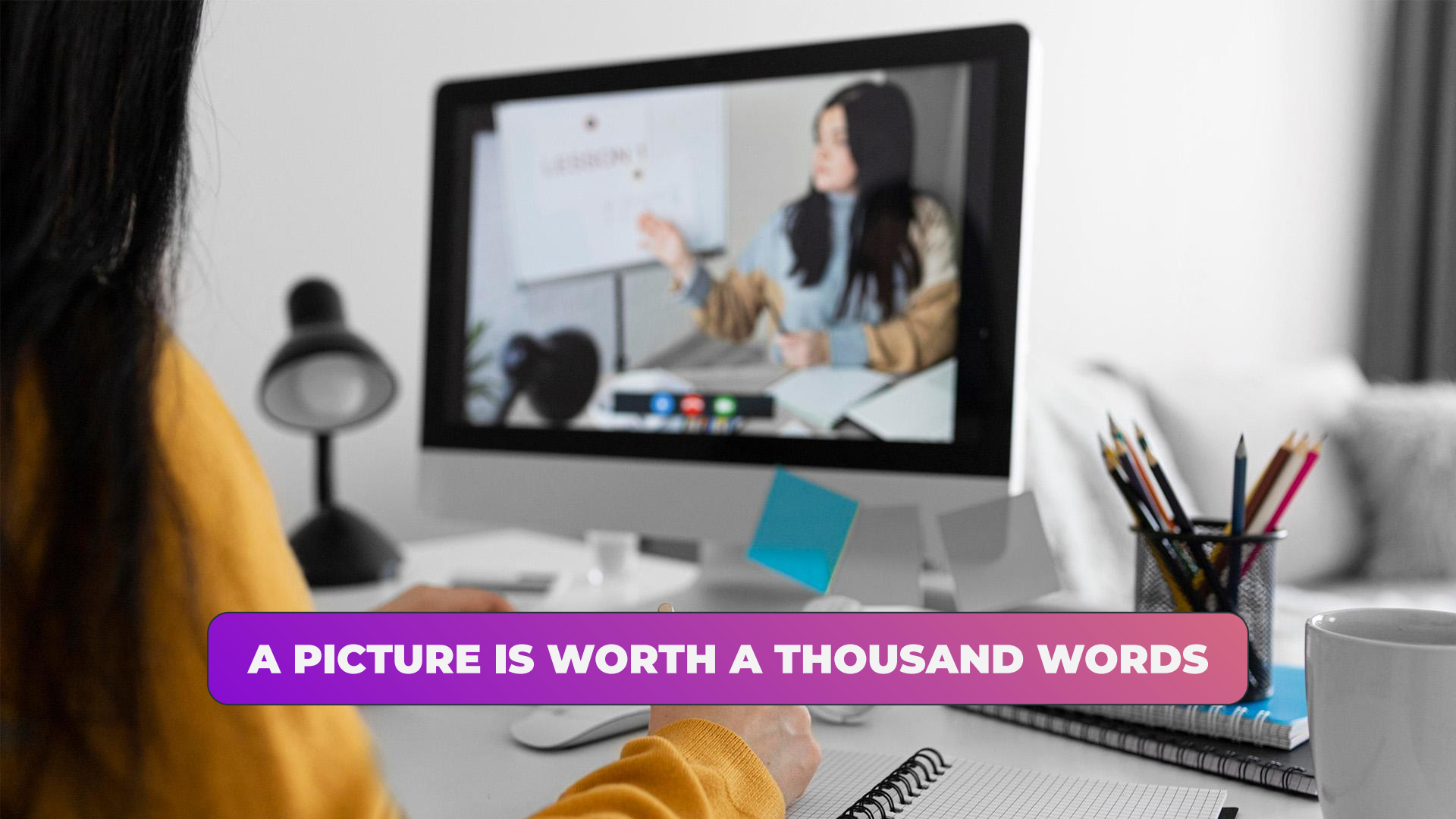
Saturn is a gas giant and has several rings

AWESOME WORDS


WCAG 2.1
Amerchi et al.
Make clear what the system can do. Help the user understand what the AI system is capable of doing.
Make clear how well the system can do what it can do. Help the user understand how often the AI system may make mistakes
G5
G12
G13
G17
G18
Software
App

TECHNOLOGIES

Enter a subtitle here if you need it

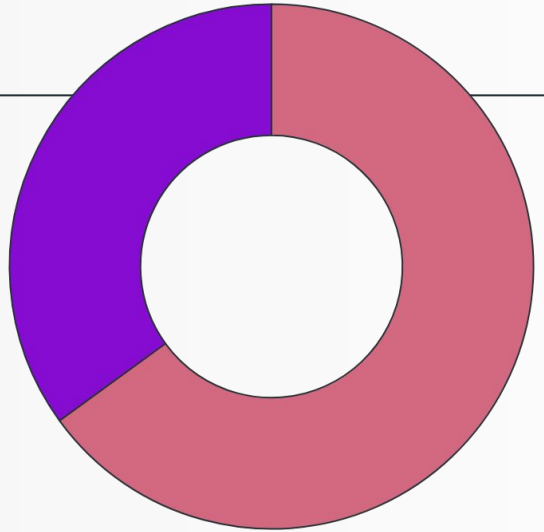

A PICTURE IS WORTH A THOUSAND WORDS

USABILITY MAKES LIFE EASIER?

30%

Mercury

It’s the closest planet to the Sun and the smallest in the Solar System



70%

Venus

Despite being red, Mars is actually a cold place. It’s full of iron oxide dust

Follow the link in the graph to modify its data and then paste the new one here. **For more info, click here**

9h 55m 23s

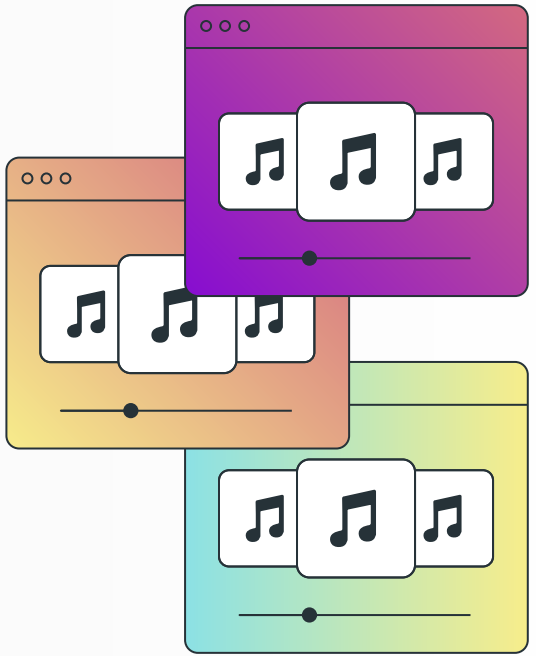
Is Jupiter's rotation period

333,000.000

Earths is the Sun’s mass

386,000 km

Is the distance between Earth and the Moon



SCHEDULE OF ACTIVITIES

Time	Activity	Place
10:00-12:00	Usability Day Presentation	Room 01
12:00-14:00	Share Experiences	Room 03
14:00-16:00	Break For Food And Snack	Cafe
16:00-18:00	Update Of Technological Advances	Room 02
18:00-20:00	Colloquium On Artificial Intelligence	Room 01

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TABLET APP

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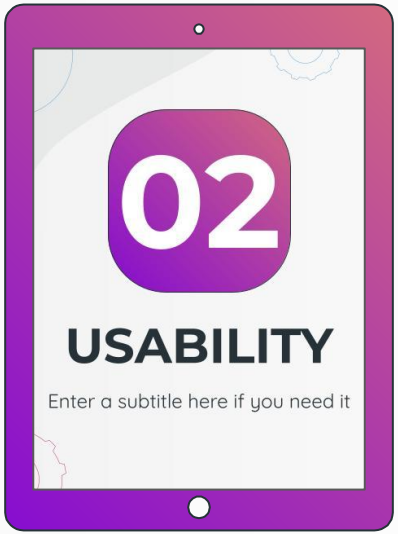
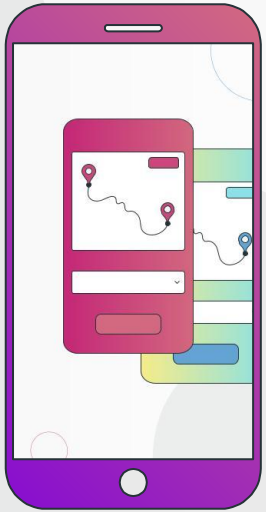


MOBILE WEB



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LIST OF TOOLS

- Describe your usability tool here
- Describe your usability tool here
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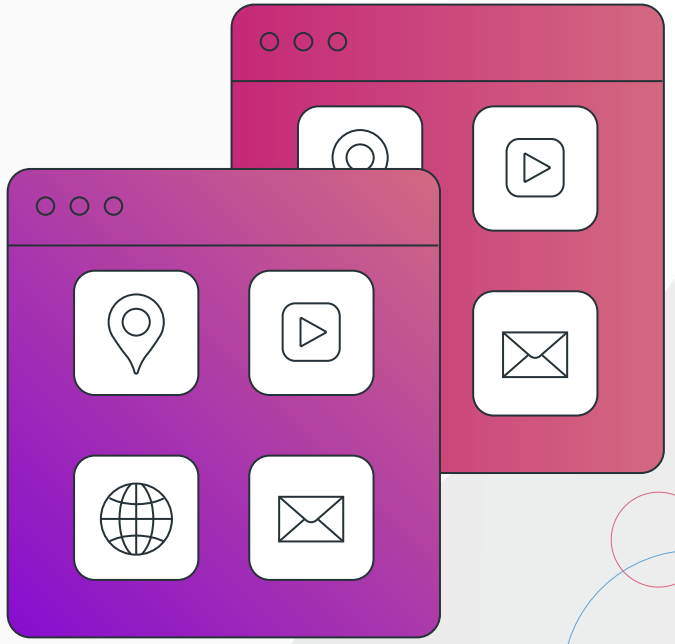
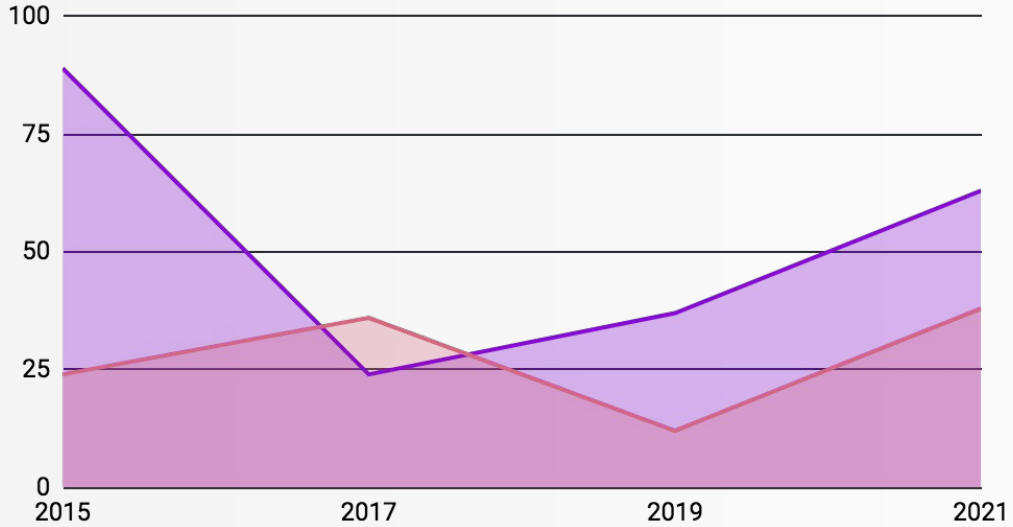
- Describe your usability tool here
- Describe your usability tool here
- Describe your usability tool here



USABILITY DEVELOPMENTS



Mercury

It’s the closest planet to the Sun

Venus

It has a beautiful name, but it’s hot

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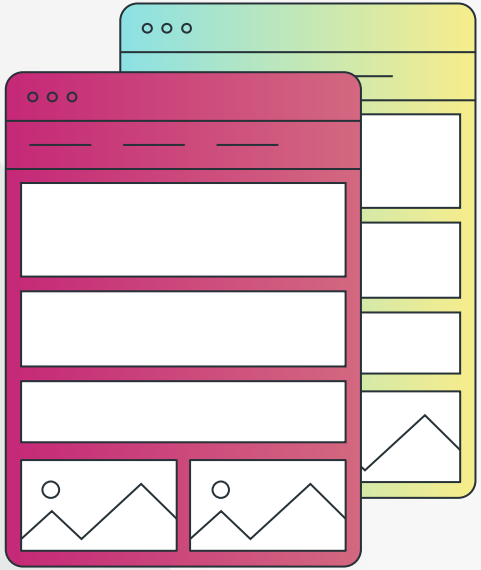
ARTIFICIAL INTELLIGENCE



Mercury

It’s the closest planet to the Sun and the smallest in the Solar System

Venus

Despite being red, Mars is actually a cold place. It’s full of iron oxide dust

Saturn

Venus has a beautiful name and is the second planet from the Sun

WHERE IS THERE MORE PROGRESS?

Mercury

It’s the closest planet to the Sun

Venus

It has a beautiful name, but it’s hot

Saturn

It’s composed of hydrogen

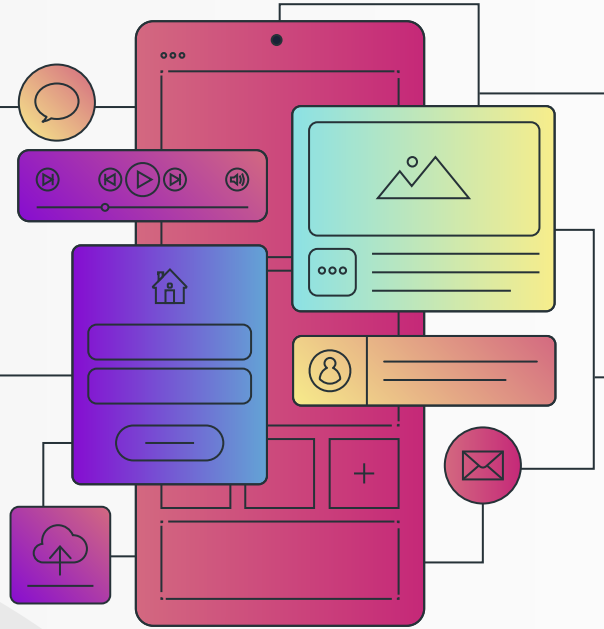
USABILITY PROGRAMS

Mercury

It’s the closest planet to the Sun

Venus

It has a beautiful name, but it’s hot



Saturn

Mars is actually a very cold place

Jupiter

It’s the farthest planet from the Sun

THANKS!

Do you have any questions?
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Vectors

- Gradient ui/ux elements collection
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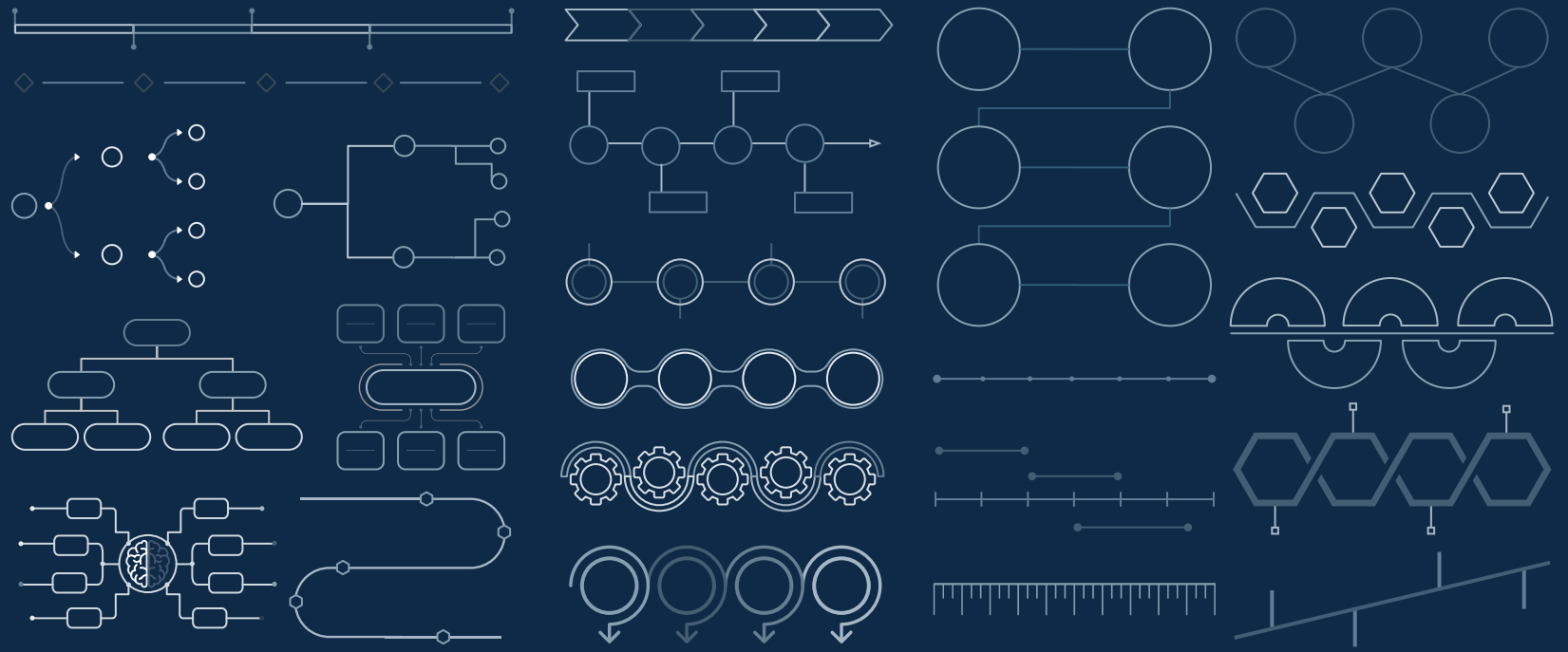

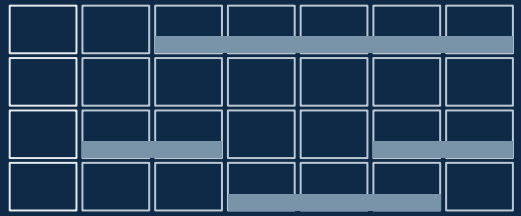

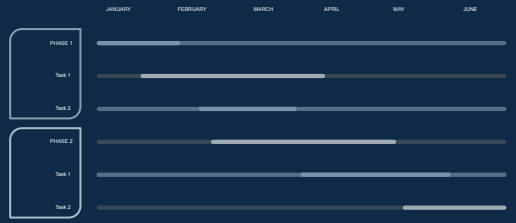
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JUNE
PHASE 1
Task 1
Task 2
PHASE 2
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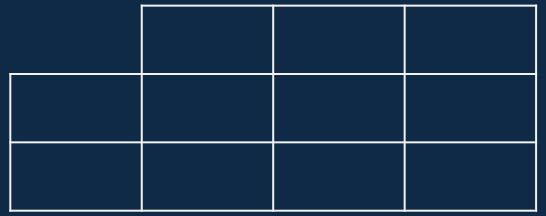
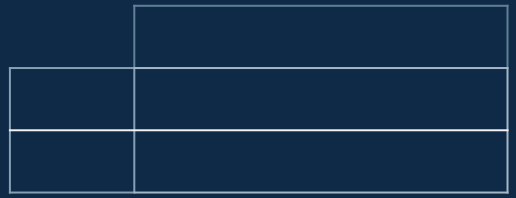
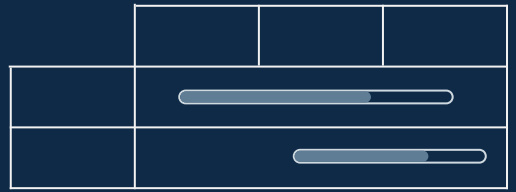
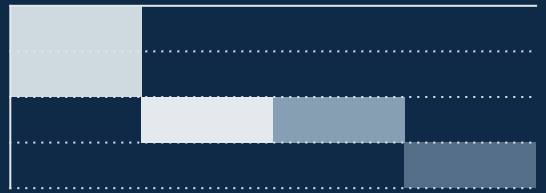
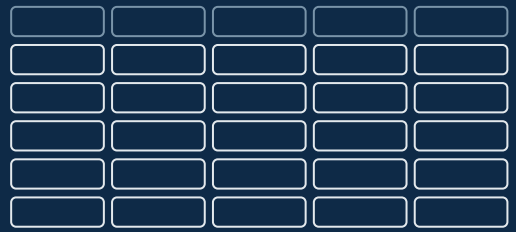
Task 2

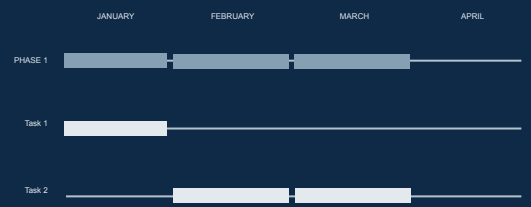











JANUARY
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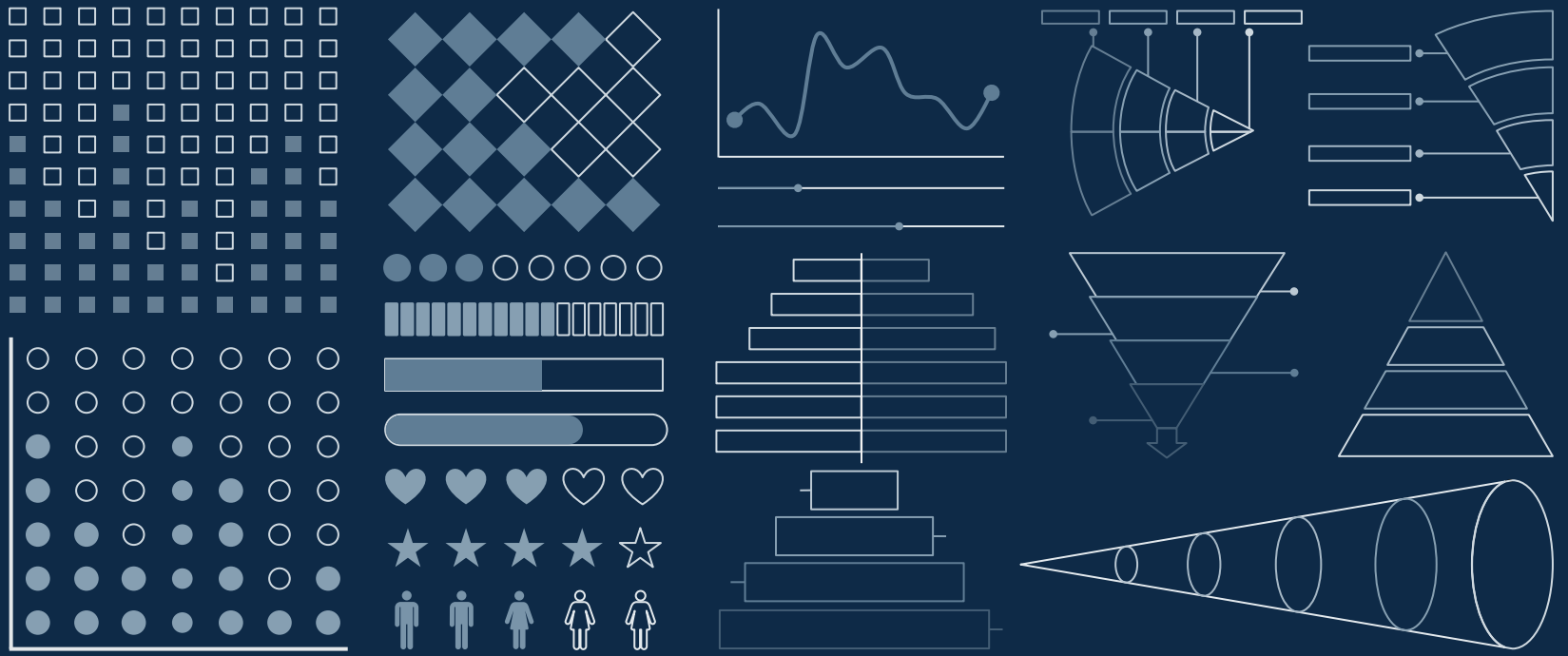
MARCH
APRIL
PHASE 1
Task 1
Task 2



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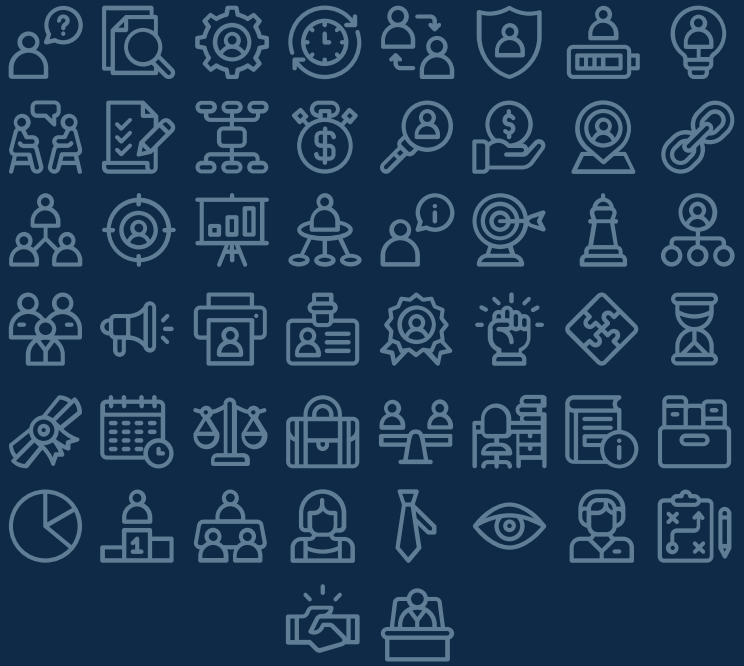

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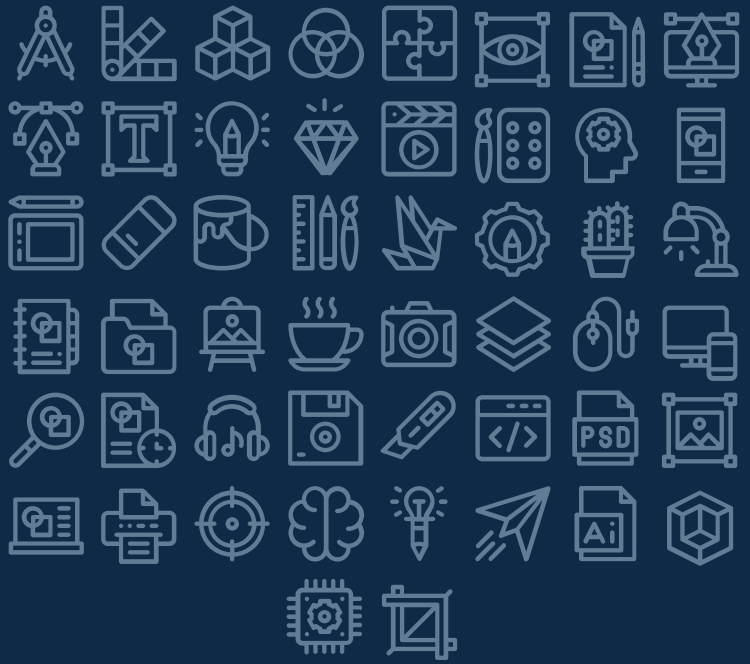

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