



Tennessee
Tech

Allergy Watch

The Invention

The watch that watches your Allergies

Name of Project:

Technical Presentation

Hosted By:

Caz Bilbrey

A series of thick, curved lines in teal, dark red, and yellow-orange sweep across the right side of the slide, starting from the bottom left and curving upwards towards the top right.

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TODAYS

Agenda

Why

What

How

Target Audience

Extensions

Conclusion





Project Why

SHORT BRIEF

Food allergies are found in 8% of people world wide.
(Over 7.6 Billion)

Food Allergy (FA) Statistics

- ◆ 37.8% of FA in children are severe (Life threatening)
- ◆ Peanuts, Shellfish, Wheat, Milk & Soy are the most common
- ◆ FA cause 30k ER visits, 2k hospitalizations, and 150 deaths, yearly

Current Preventions for People with FA

- ◆ Read container for ingredients
- ◆ Ask Server if dishes contain Allergy
- ◆ Ask the internet



Project What

Allergy Watch

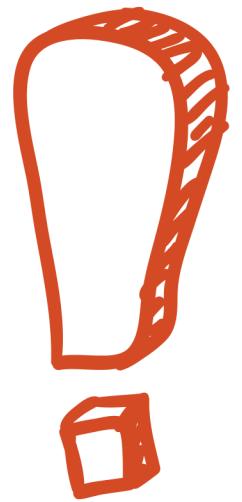
Most FA will be touch with hands

Eating, Drinking, and Holding

Alergy watch will give you a warning

A watch that will watch your allergies

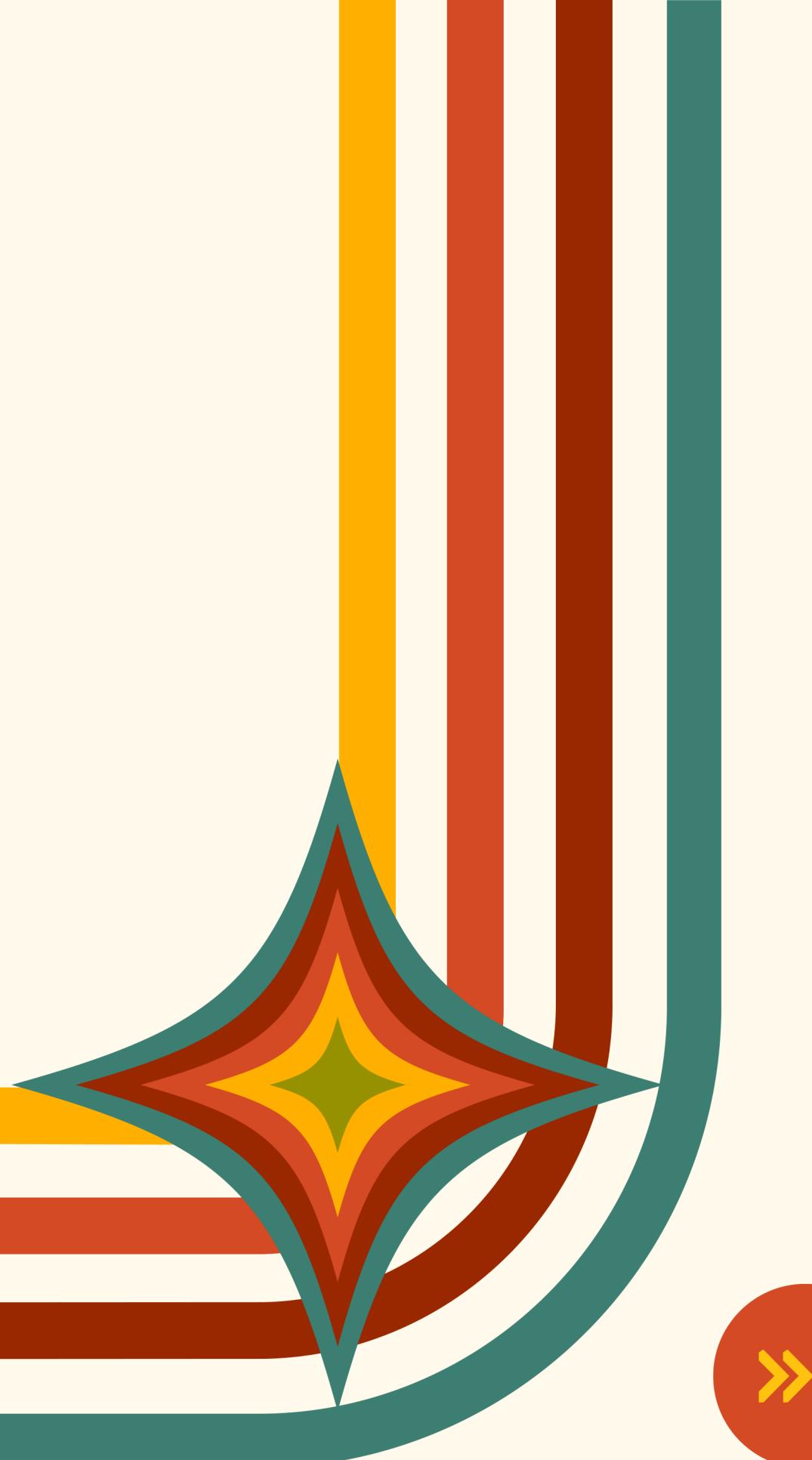
Wear on Your wrist, and your allergy will never be missed!



Project How

Everything has a unique wave.

We can use infrared spectrometer to detect the chemicals / compound people are allergic to.



Project How

Quantum Cascade Lasers

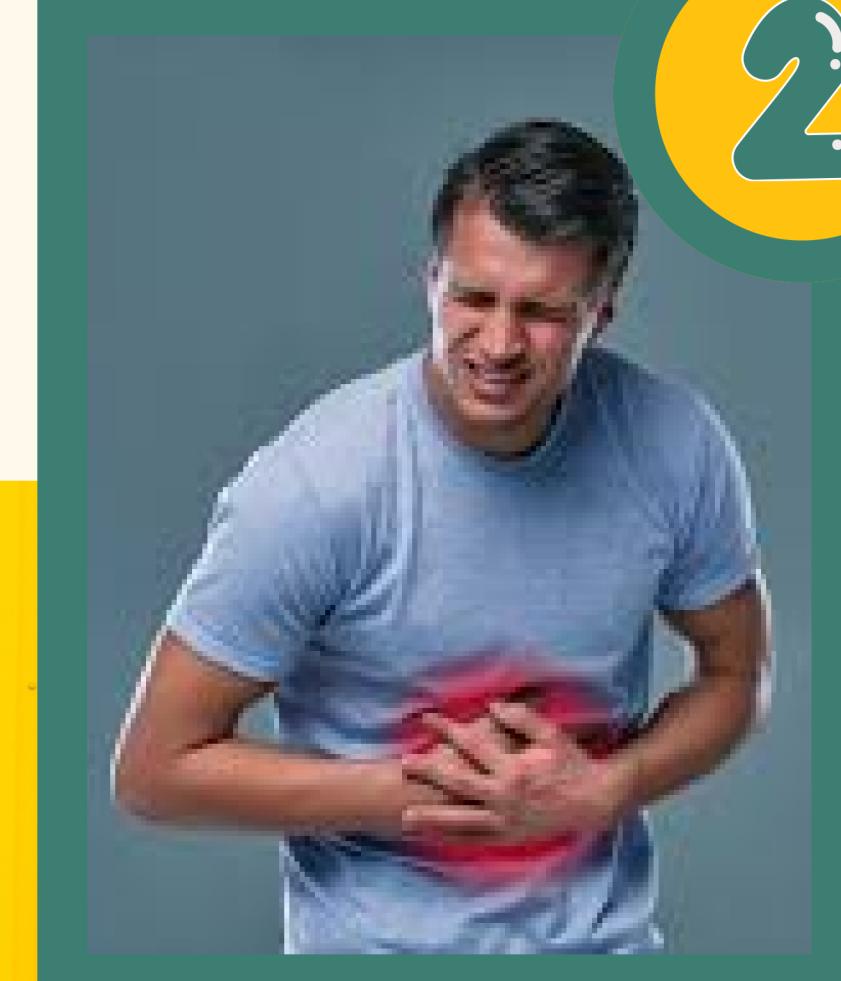
What are they?
Why use them?



Target Audience



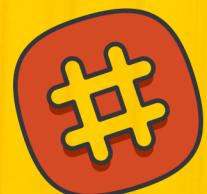
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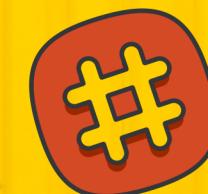
3



Target Audience #1
Severe FA



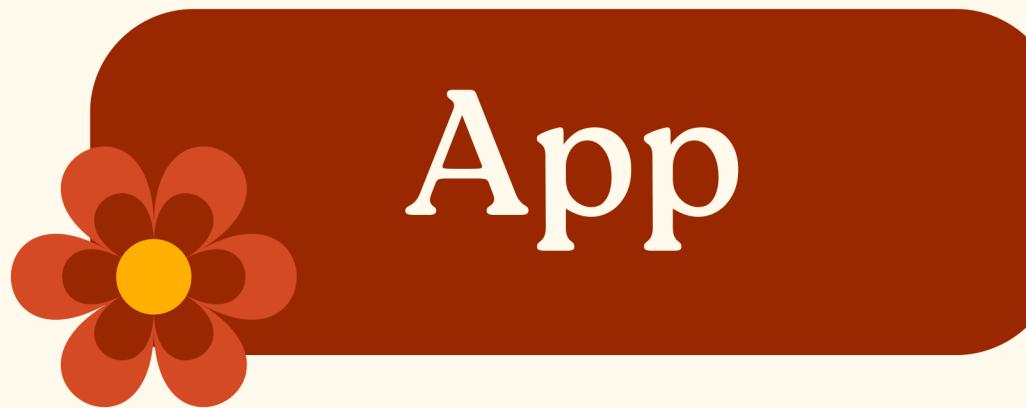
Target Audience #2
Food Sensitivities



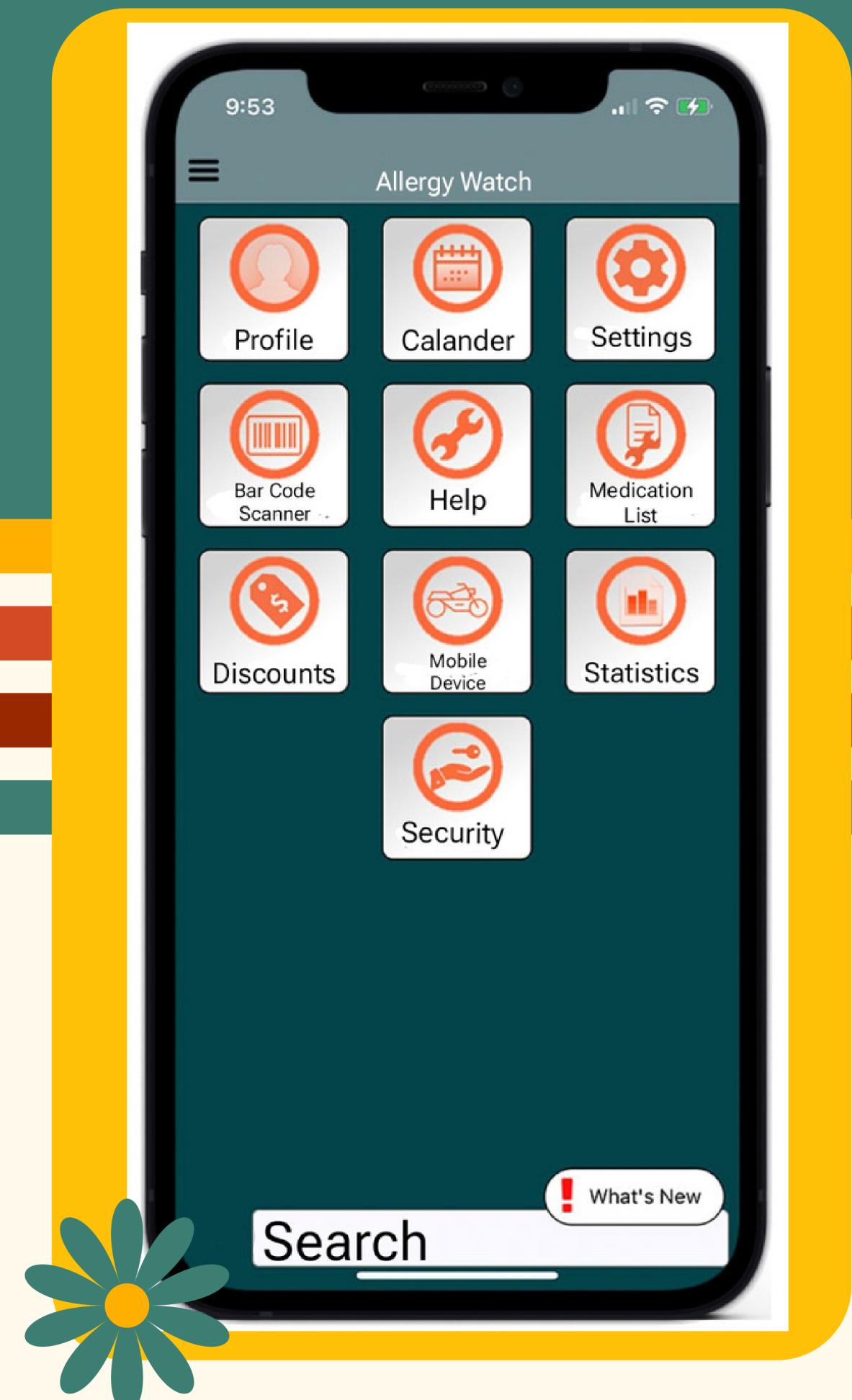
Target Audience #3
People on Diets



Project Extensions

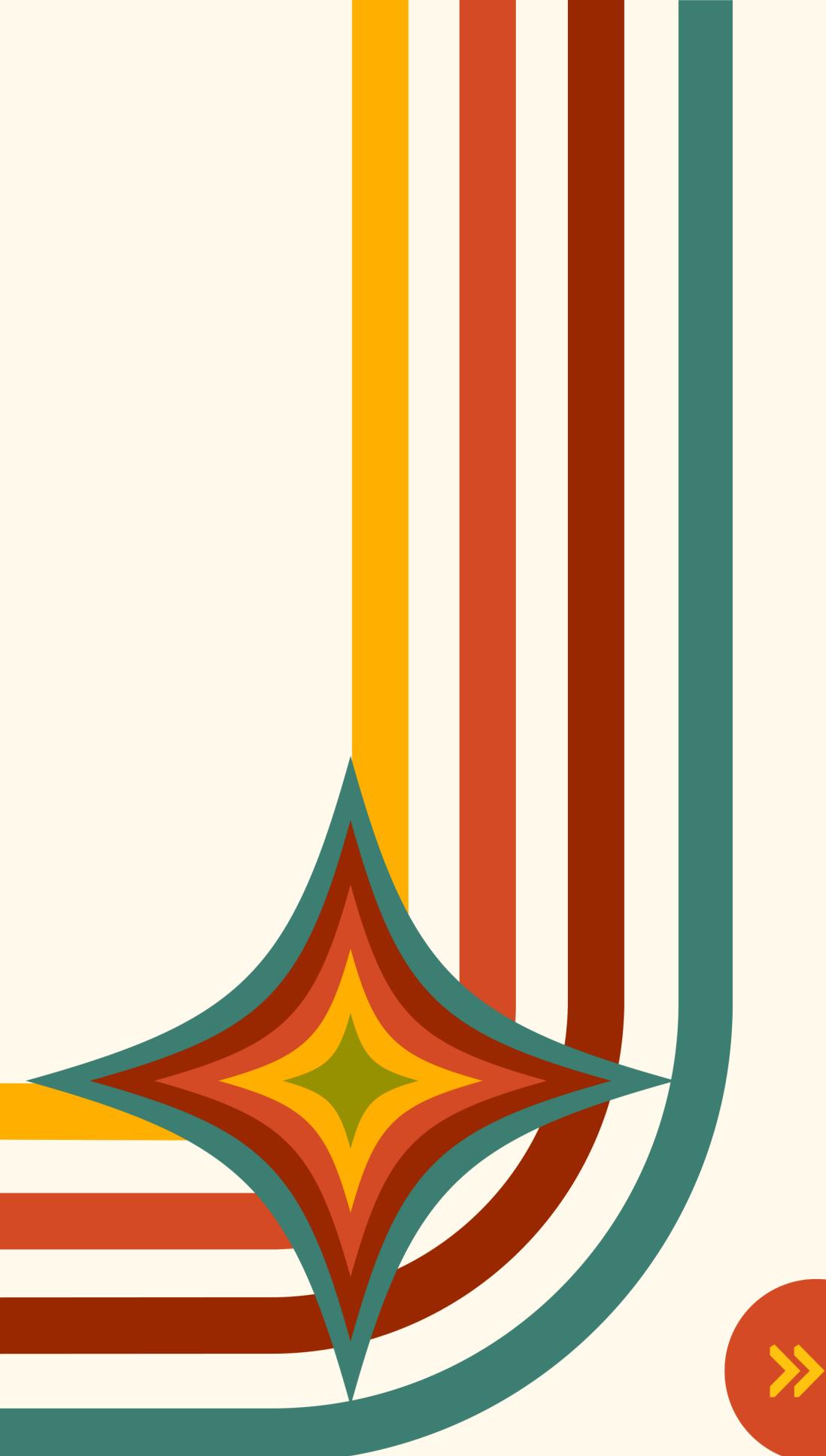


- Notifications if near allergy for adult or child
- Barcode Scanner
- Custom Menu for restaurants

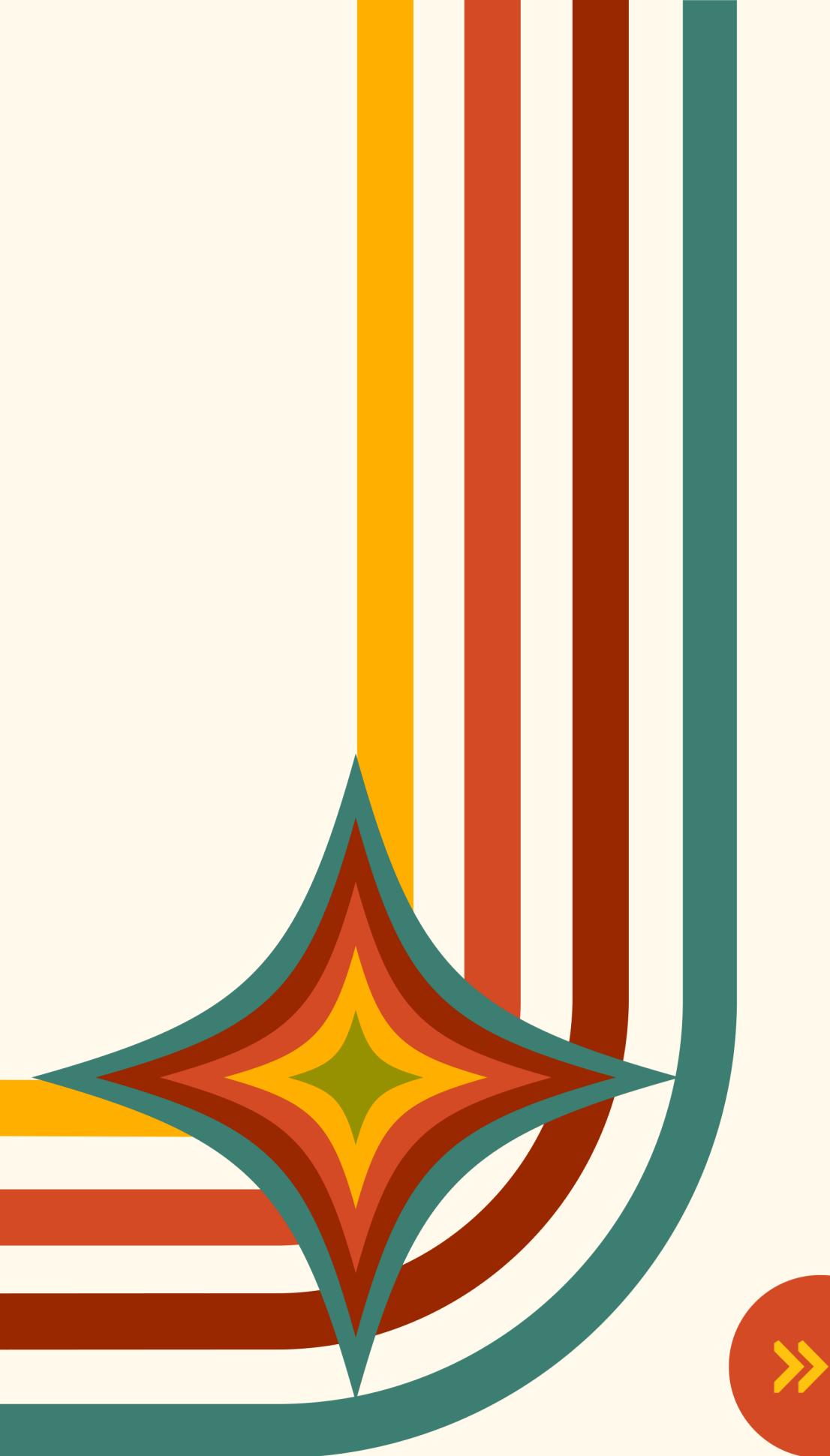


Conclusion

- Why
- How
- Who



Thank you!
for Listening!



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for a timer

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