TEC

Project Offerings:

MyadVenture | UV Guardian | Ride-Keeper

Project Contact

Jerrid Matthews
PhD Candidate
Adviser, Technical Entrepreneurial Community
Email: matth122@ucla.edu

"People who never take risks ...
end up working for those who do."

The Technical Entrepreneurial Community

MyadVenture
Social Networking Recruiting Service

Presented by

Jerrid Matthews

Adviser, Technical Entrepreneurial Community

TEC Technical Entrepreneurial Community

Mission

"… to create a culture of entrepreneurship within the technical community of UCLA by offering seminars on entrepreneurial education and creating an environment for students to discuss, network, educate and start companies"

Imagine → Learn → Connect → Act

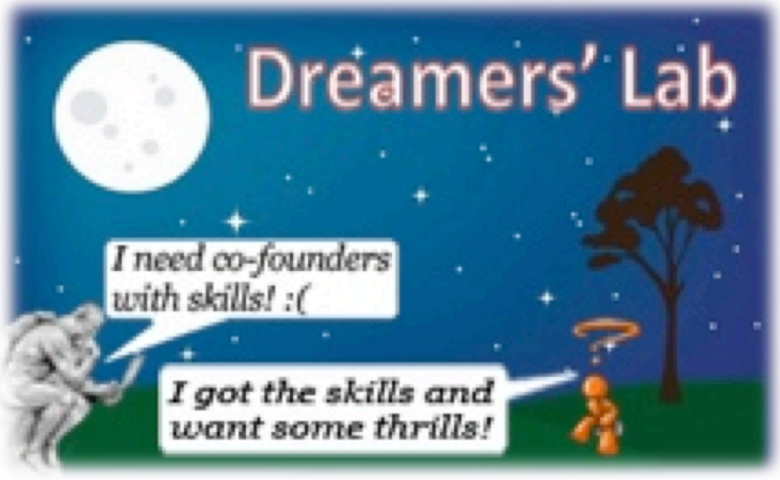
Website: www.tecbruins.org

Facebook: http://facebook.com/UCLA.TEC

Our Goal

To create programs that help students create startups!

Dreamers Lab



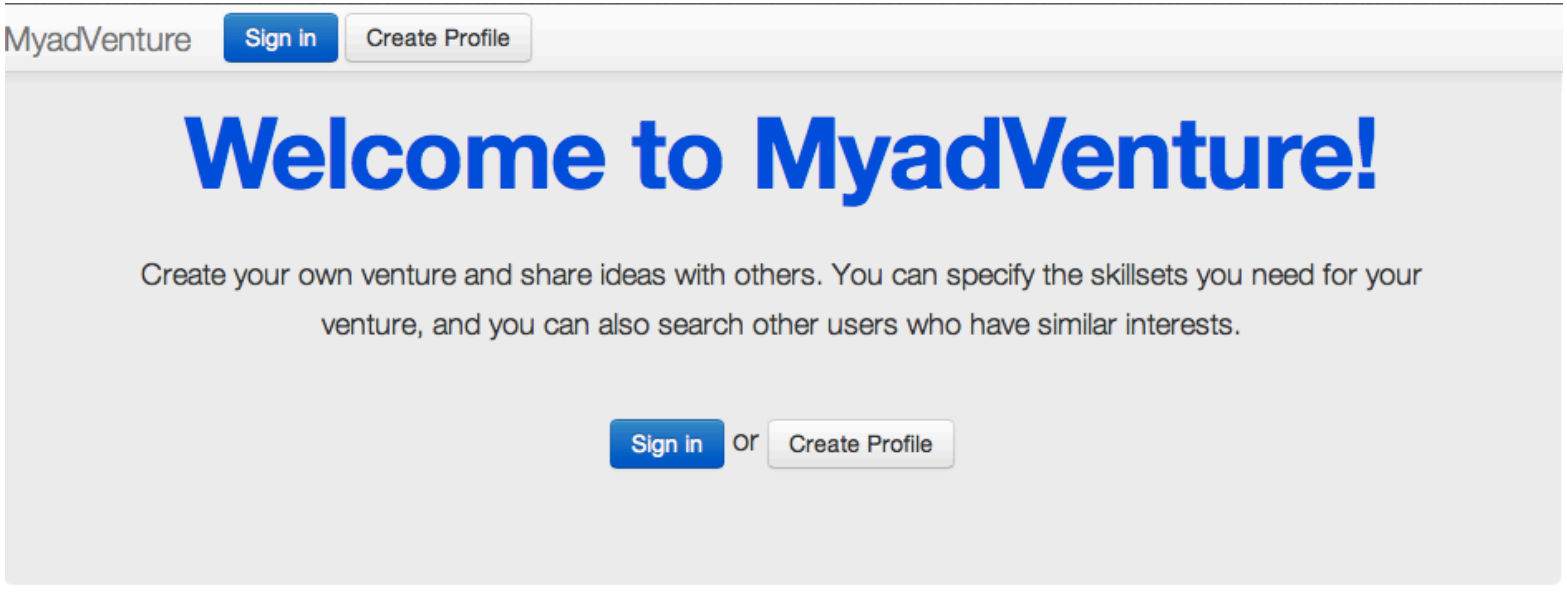
Program Overview

- Provide comfortable setting for like-minded entrepreneurial students across all majors to connect and explore venture ideas around a single topic of interest

Problem

There is NO way for UCLA students to continue growing their networks to connect with other entrepreneurial minded students outside of DreamersLab!

Solution



Create Ventures

Create a venture for things you're interested in. Look for others who have special skills and specializations.

Meet People

Meet others who have similar interests.

Share Ideas

Share your ideas with others, or find others with similar ideas!

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Value Proposition

MyadVenture enables students to:

1. Highlight their skillsets and specializations
2. Showcase their own Ventures and Projects
3. Meet other entrepreneurial minded students with the skills you need to get some thrills!
4. Share cool thoughts and ideas and obtain community feedback through

Administration

Project Lead: Jerrid Matthews <matth122@ucla.edu>

Technology Requirement

- GRAILS MVC Development Framework
  - Java and JSP based

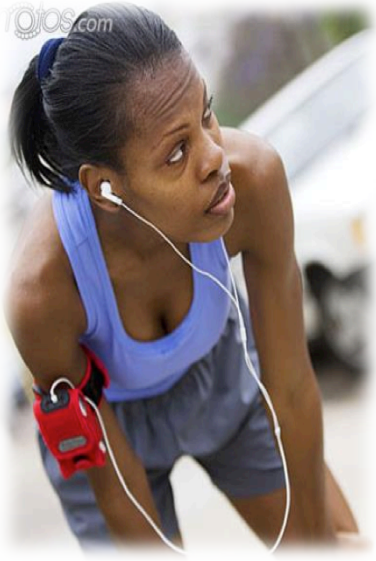
Number of Teams: 1

Ultraviolet Guardian

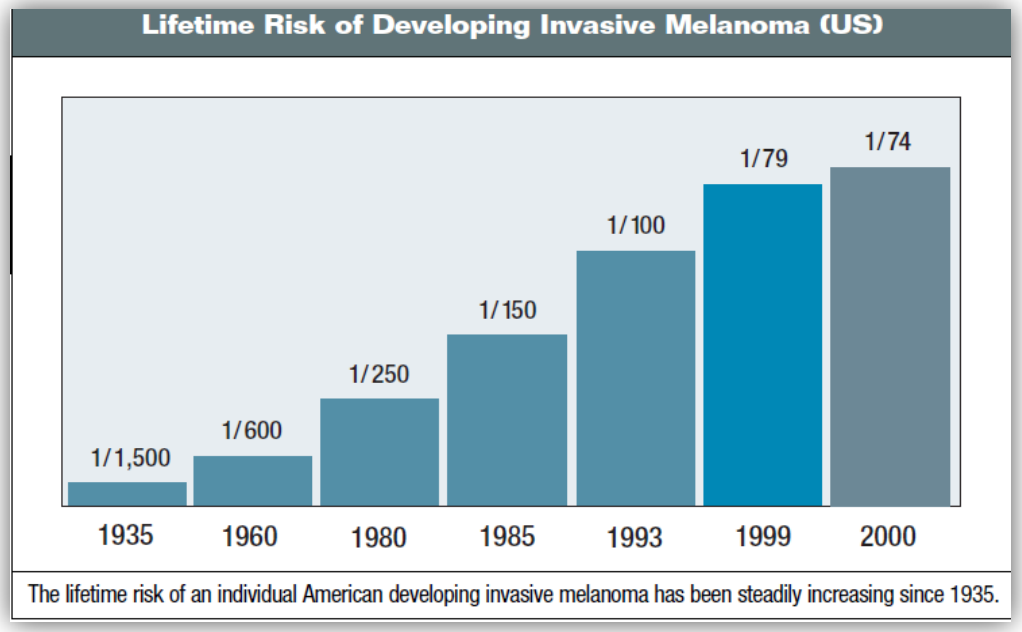
Real-time Ultraviolet Over-exposure protection for Sportswomen

Presenter:
Jerrid Matthews, PhD Candidate
University of California, Los Angeles

NSF | CORPS NSF Innovation Corps



Skin Cancer Risk in the US



- In 1935, invasive melanoma risk was 1 in 1500
- In 1985, invasive melanoma risk was 1 in 150

Risk is rising rapidly!!!

- In 2010, over a million new cases were reported

1/5

1. Robinson, JK. Sun exposure, sun protection, and vitamin D. JAMA 2005; 294:1541-43
2. http://www.skincancer.org/skin-cancer-information/skin-cancer-facts

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Customer Workflow Diagram

How do consumers avoid over-exposure?

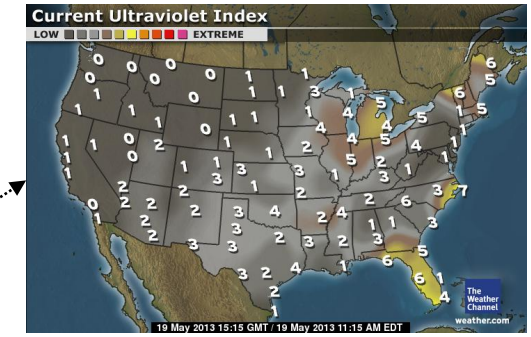
NOTE: Suntan lotion re-application notification integrated in some personal device applications (eg: Nevus)

Option 1: *Weather.com – UV Index Forecast*
http://www.weather.com/maps/activity/health/skin/index_large.html

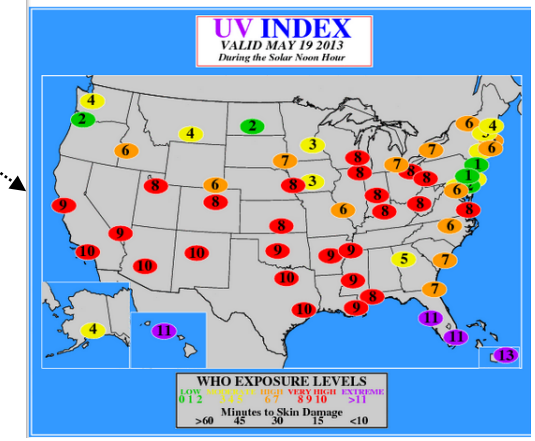
Lookup Current UV Index from websites

I can …

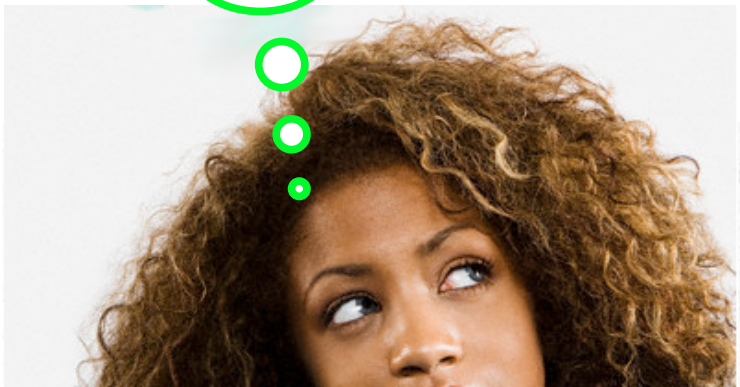
Option 2: *National Weather Service – UV Index Forecast*
http://www.cpc.ncep.noaa.gov/products/stratosphere/uv_index/uv_current_map.shtml



Current UV Index Forecast



What's the UV Intensity Level?



I can *lookup Current UV Index using personal devices*

$2.99 - Nevus Mobile Skin Companion

$75 - Speedo Woman's UV Sensor Watch

$20 - Oregon Scientific UV Sensor

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Customer Workflow Diagram

How do consumers track UV exposure?

Sorry no commercial solution exists

I can ...

How can I track my UV Exposure?

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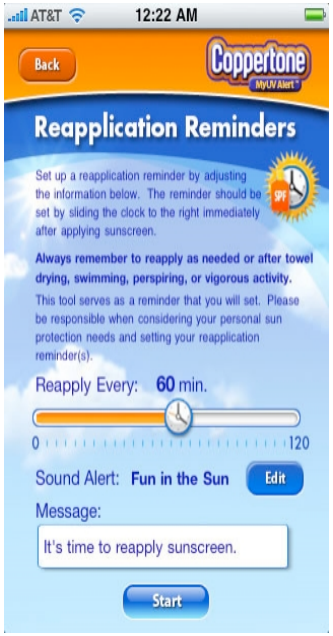
Customer Workflow Diagram

How do I know when to re-apply sunscreen?

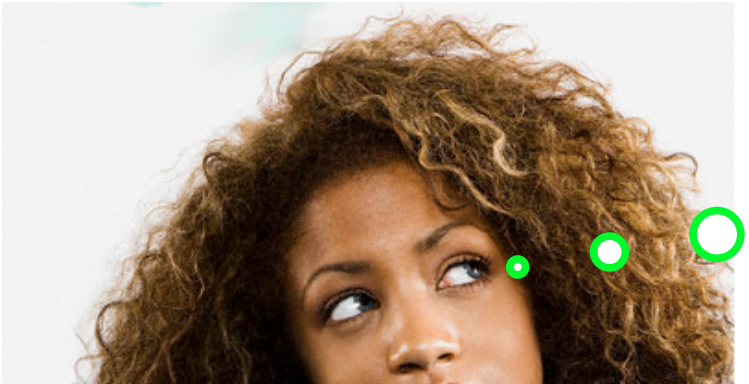
All these applications require the user to set alarm reminders….

$2.99 - Nevus Mobile Skin Companion

$1.03 – Sunscreen Reminder Pro



$0.00 – Coppertone MyUVAlert



WHY CAN'T MY APPLICATION DO IT FOR ME?

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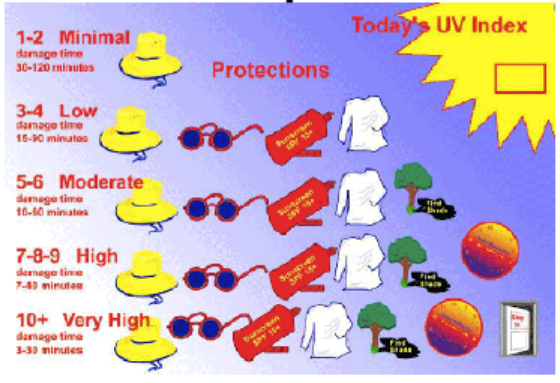
Minimum Viable Product

UV Guardian Mobile Application for Sportswomen

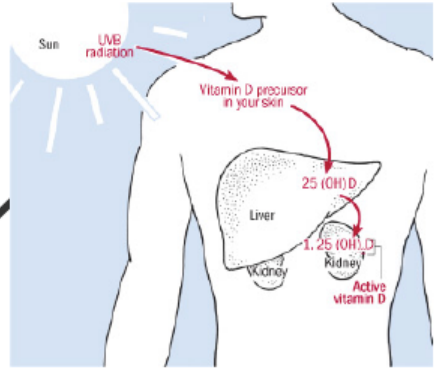
$$$

Sun-screen re-application notifications

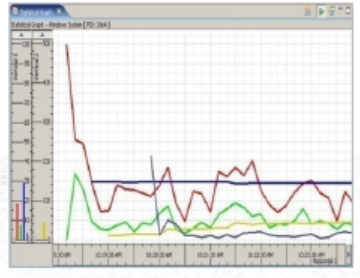
Recommendations for activity planning, UV sensitive foam helmet replacement



Recommendations for Healthy Vitamin D Synthesis



Relative Exposure History Tracking



Network Research Lab
Communication Innovation

Team 211

Administration

Project Lead: Jerrid Matthews <matth122@ucla.edu>

Technology Requirement

- Java Android SDK for Mobile App Development
- GEOGRAMONE Arduino Sensor and UV Sensor
  - Javascript Processing framework for Arduino programming

Number of Teams: 2

Ride-Keeper

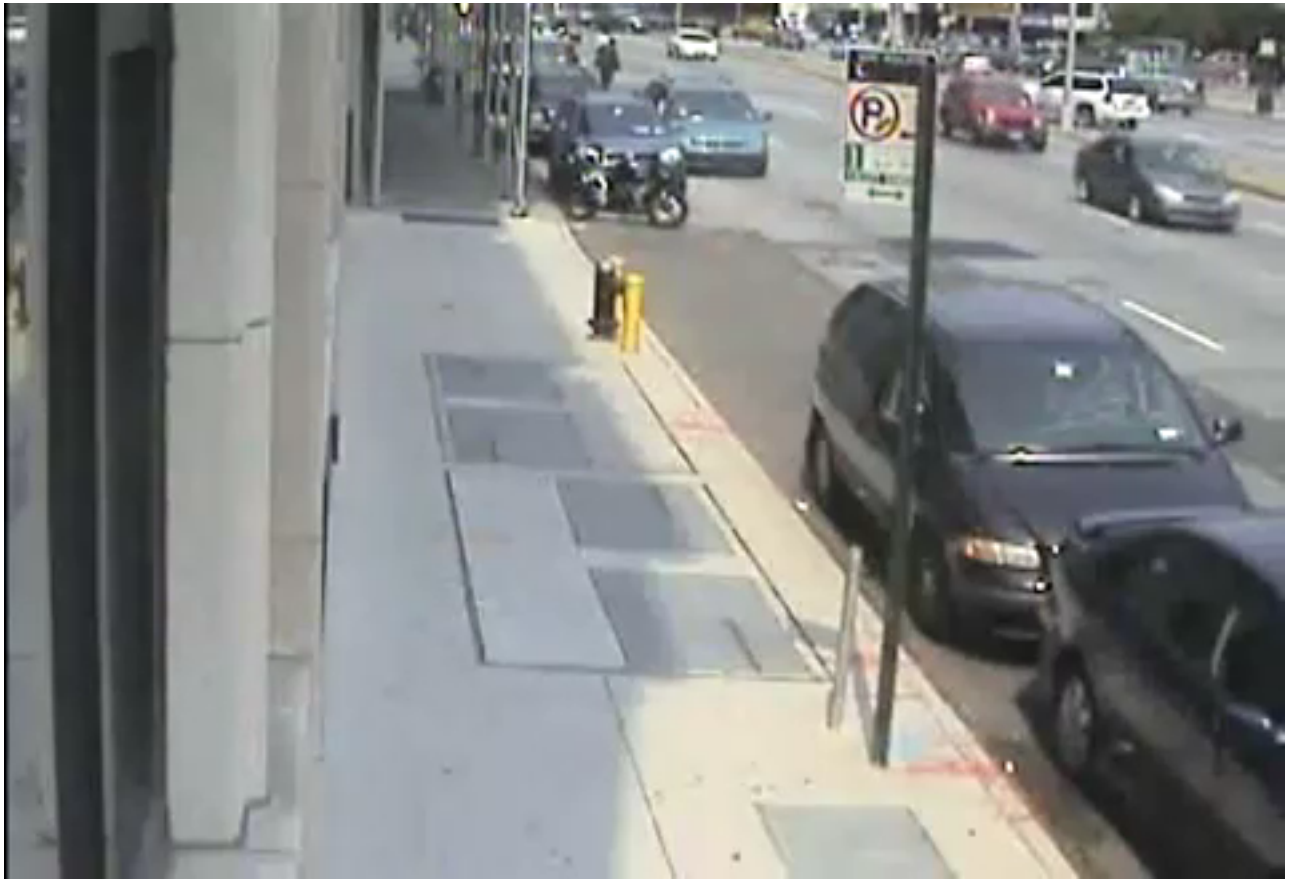
Community-based Motorcycle Theft Deterrent

Presenter:
Jerrid Matthews, PhD Candidate
University of California, Los Angeles

My 1st Motorcycle!!!

Where she was **Stolen** ☹

How easy she was to take!



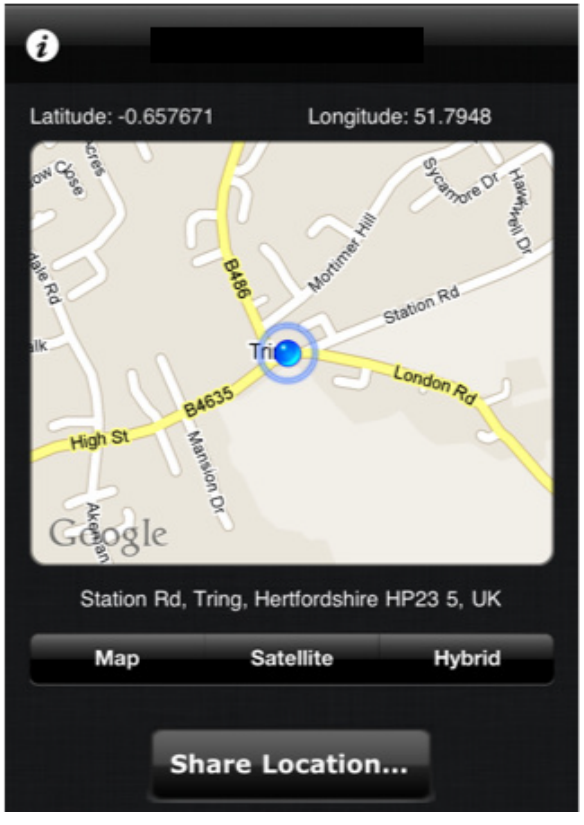
Ride-Keeper

Community-based Motorcycle Theft Deterrent

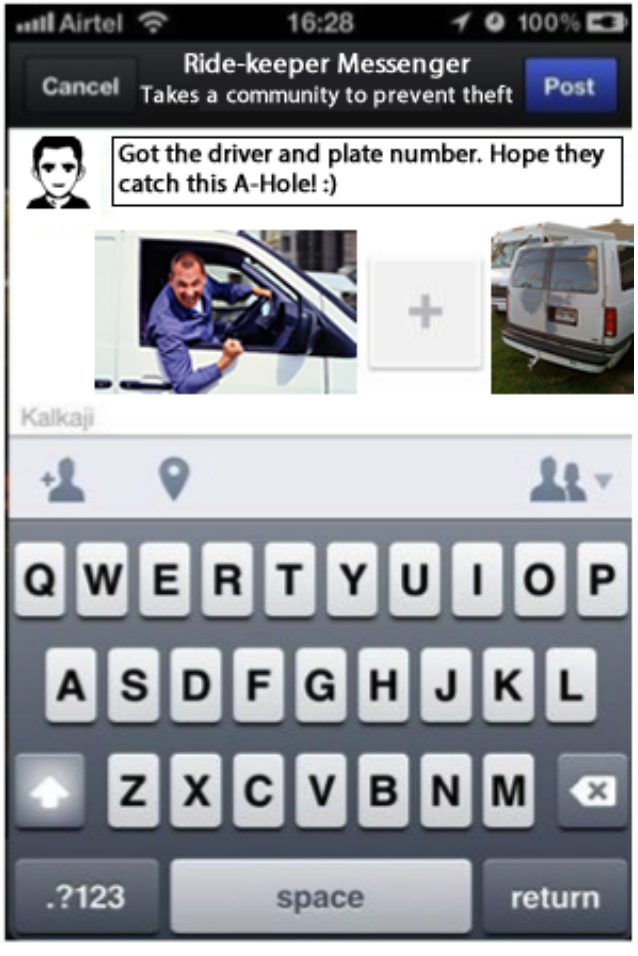
GEOGRAM-ONE Tracker

Ride-Keeper

Community-based Motorcycle Theft Deterrent



Instant tracking notification to Ride-Keeper users near a stolen vehicle



Private messaging room for notified near vicinity Ride-keeper users to share photos, text or video of assailants

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Thank You

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