

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Personalizing the Culinary Experience

### The Capstone Experience

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*From Students...  
...to Professionals*

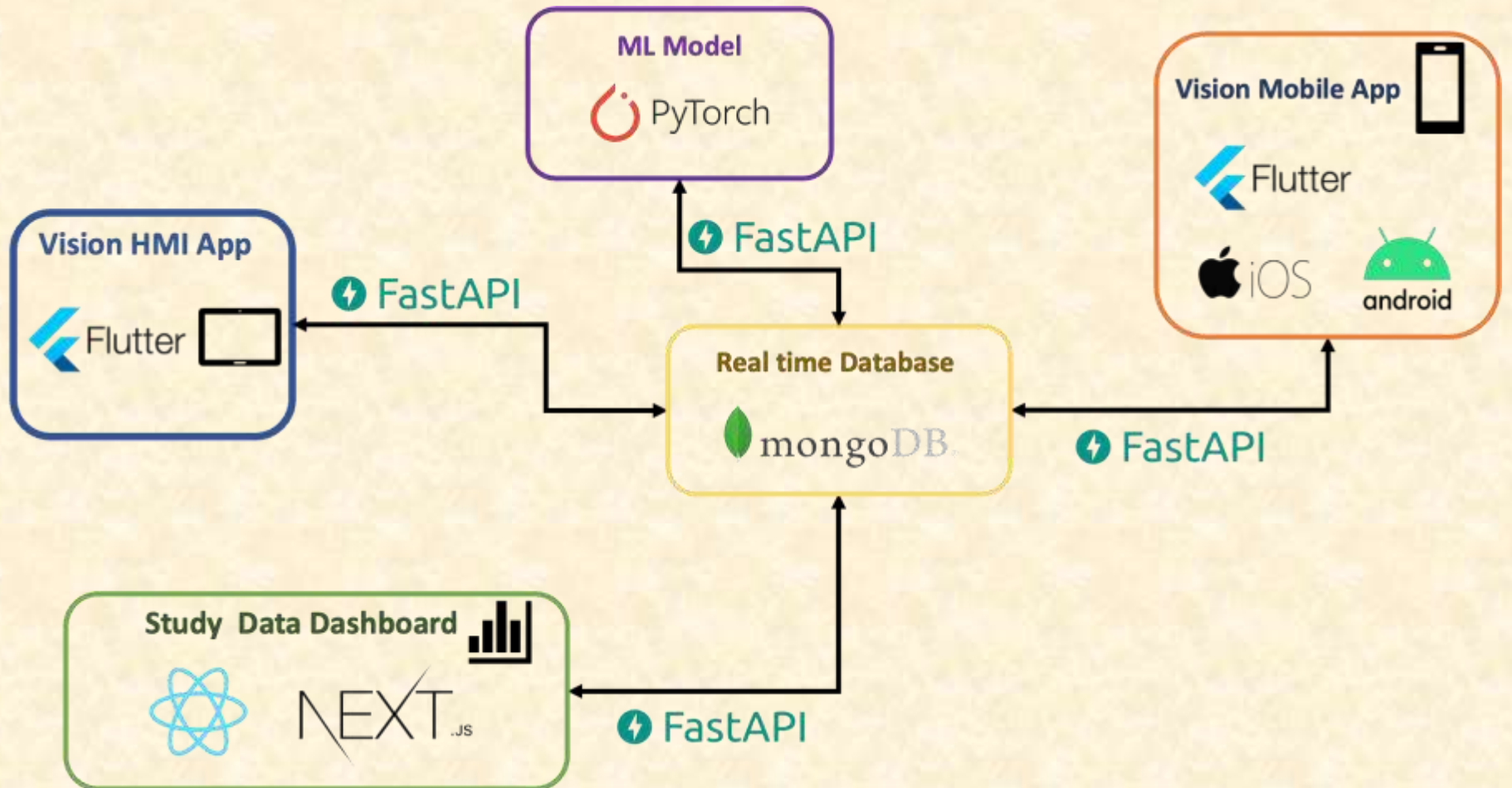
# Project Overview

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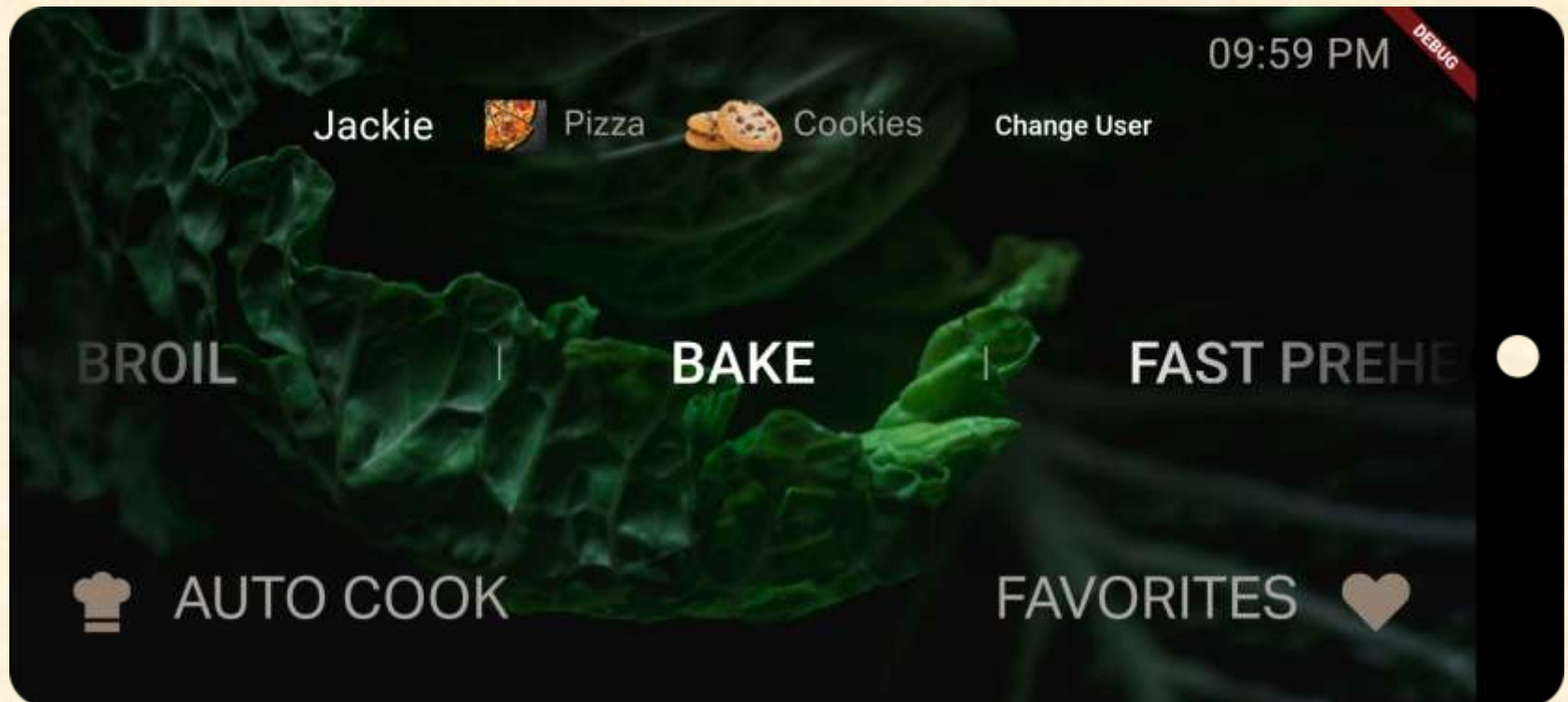
- Identify user preferences in interactions with HMI (Human-Machine Interface) and mobile app
- Personalize user profiles based on the analyzed interaction data
- Offer customized recipe suggestions and cooking settings to users
- Display aggregated user analytics on a data dashboard



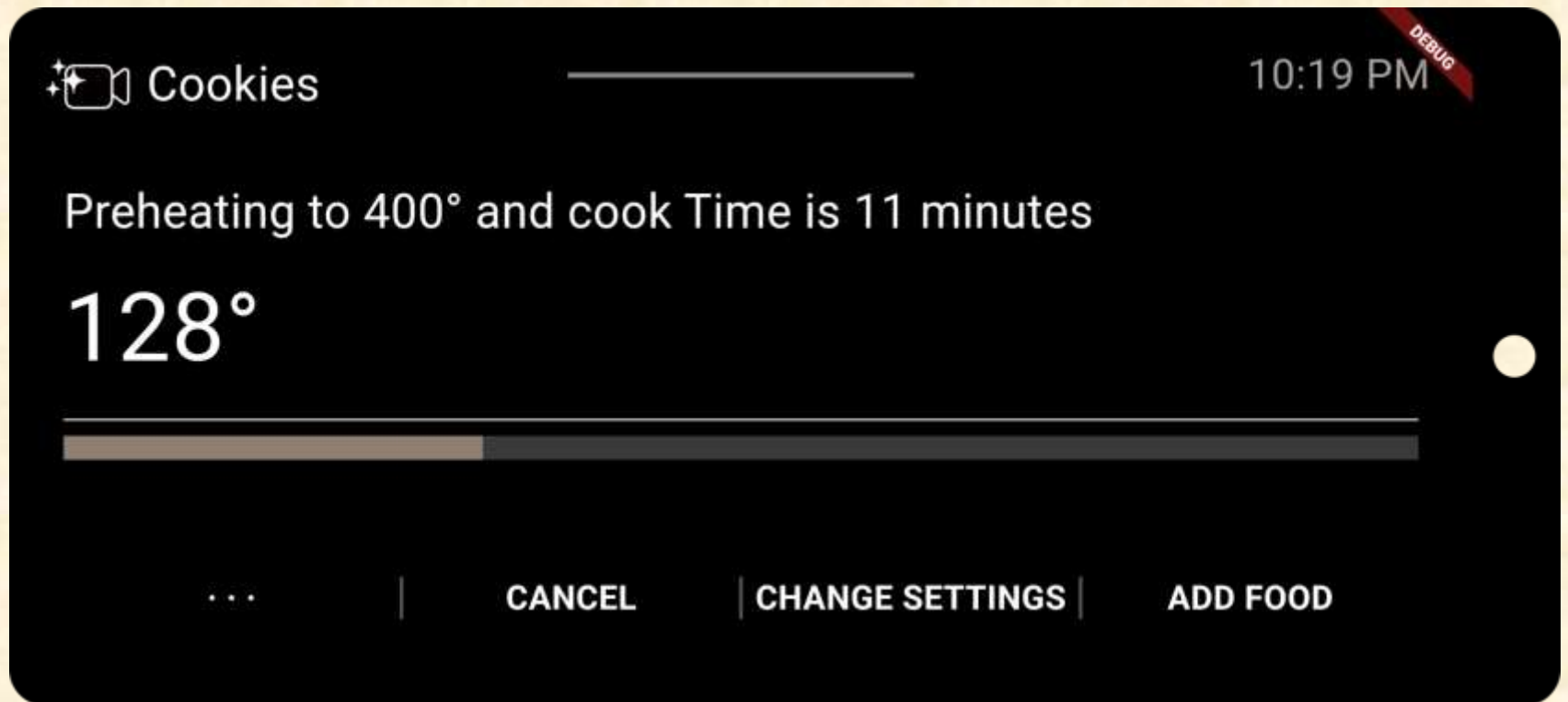
# System Architecture



# Oven display home page



# Oven Display Cycle Page

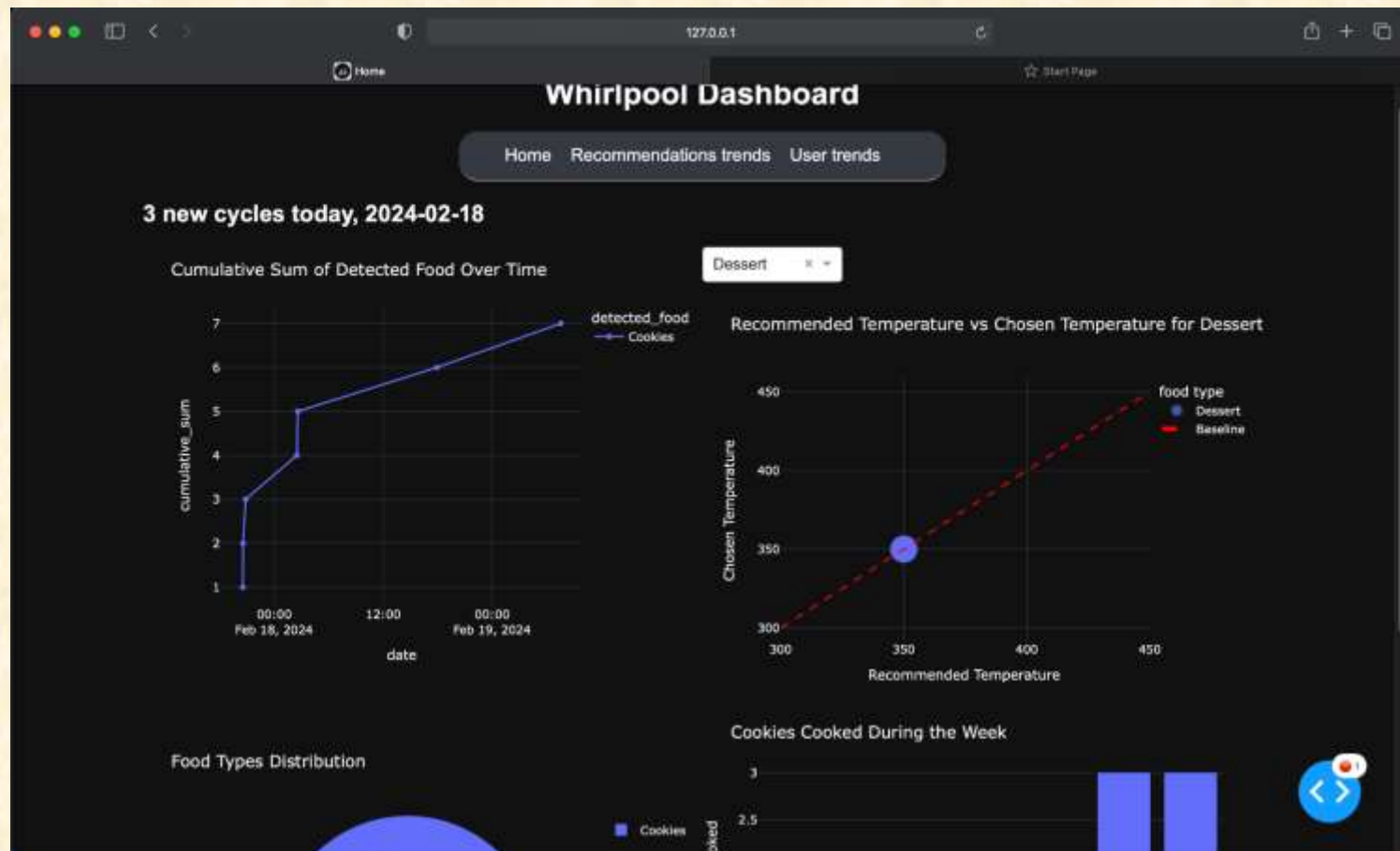


# Mobile Application Home Screen





# Data Dashboard



# What's left to do?

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- Use Firebase to connect same user session to HMI oven and mobile app
- Implementing “Broil” and “Autocook” tabs
- Improve UI design
- Implement a secure encryption mechanism to store user login information





# Questions?

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