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## FINAL PRESENTATION

CSC431 INTRODUCTION TO SOFTWARE ENGINEERING

TRUCK MUCK



# Project Review

Truck Muck is here to make your food truck finding experience quick and efficient.

Find any food truck near your vicinity in seconds with our customizable search options.

Catch the daily deals from participating trucks.

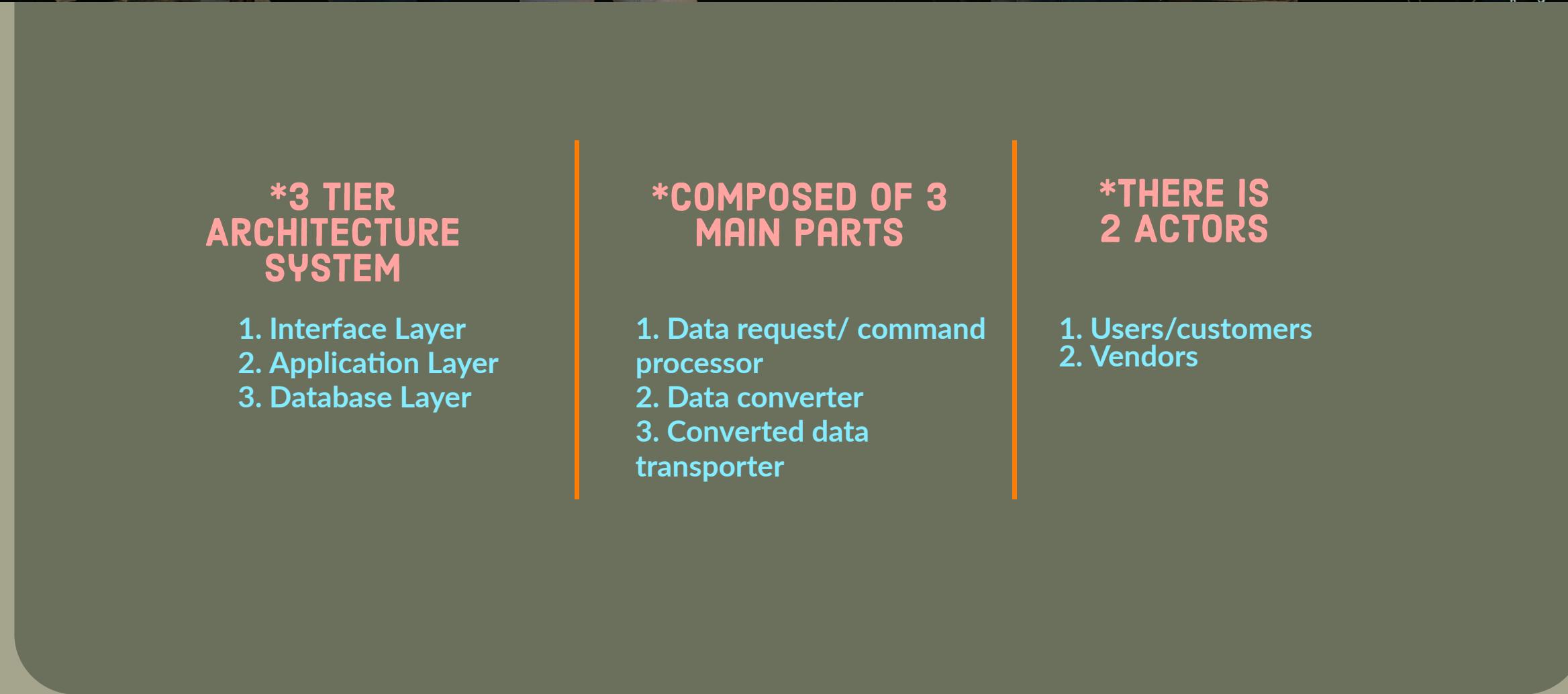
Place orders in advance for pick up.

Engage with the community by leaving reviews, commenting, and following those that have similar tastes in foods.

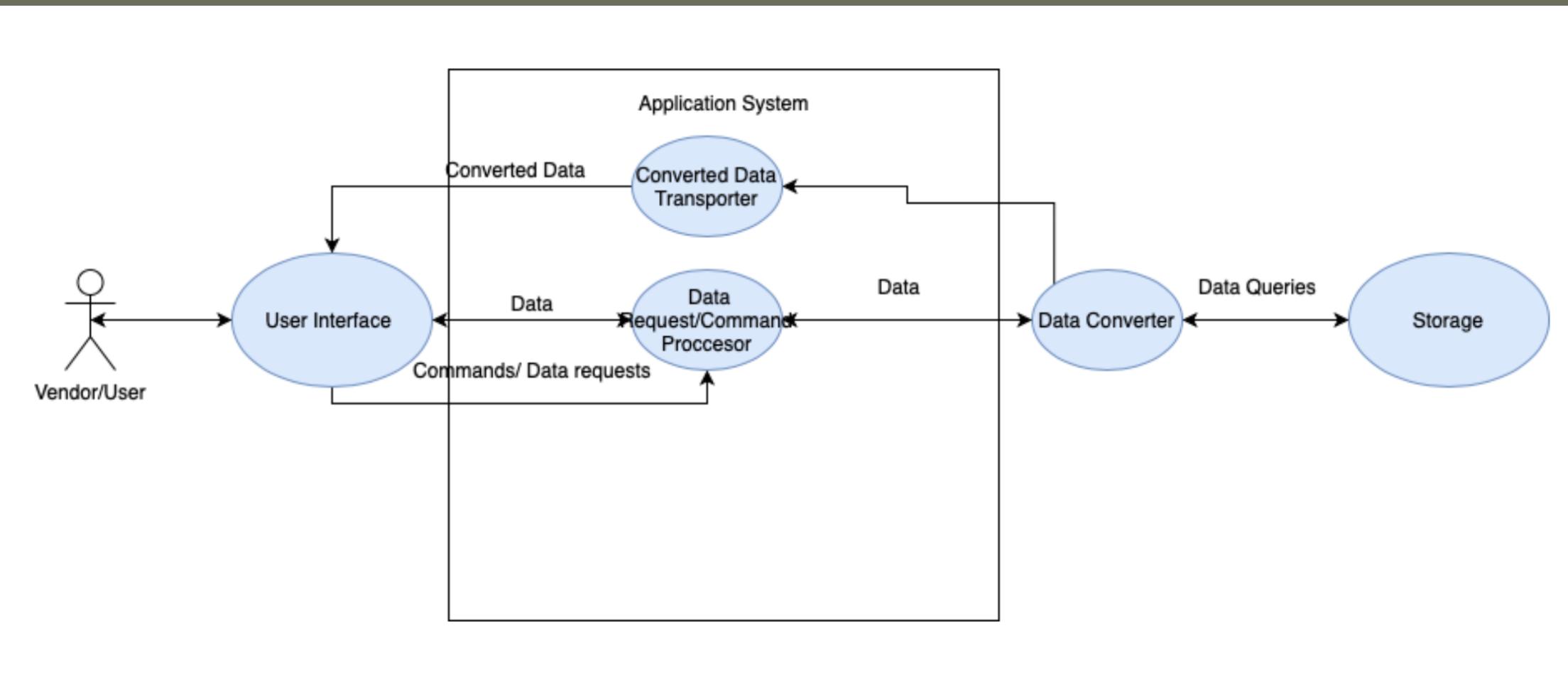
Support your local small businesses with this easy-to-use app.



# SYSTEM OVERVIEW & ACTORS



# SYSTEM DIAGRAM



T R U C K   M U C K

# ARCHITECTURAL STYLE

## \*UI LAYER

Used to restrict access and clutter between UI and the actual computational/business part of the Architectural Style

## \*BUSINESS LAYER

This is used to do most of the computations and tasks of the business aspect of the program

## \*DATABASE LAYER

This will be used as a storage layer in MySQL as it will be used to store important data.



# DESIGN PATTERNS

## \*FACTORY

We will use the factory method to allow objects with similar data classes, such as Vendor and User Accounts and Menus, to be quickly made and distributed while still maintaining uniqueness.

## \*FAÇADE

We will use the façade method to break up the User and Vendor accessibility in order to not simplify and consolidate code that both their data use while still having restrictions for each of the respective User and Vendor.

## \*ADAPTER

We will use the adapter method to help convert data from database and the application layers as they are in different languages. This will allow us to read, input, and edit data much easier between the two layers.

## \*COMMAND

We will use the command method to help add parameters that all need to be met in order to use certain functions such as finding mutual food trucks in close distance between User and Vendor, as you can't just have ones location and compile the data of mutual trucks between both of them.

# FRAMEWORKS AND LANGUAGES

## \*THE MAIN FRAMEWORK WILL BE VAPOR

We will be using Vapor because it allows for easy connection between our coding language of Swift and our Database language of MySQL

## \*FRONTEND AND BACKEND LANGUAGES

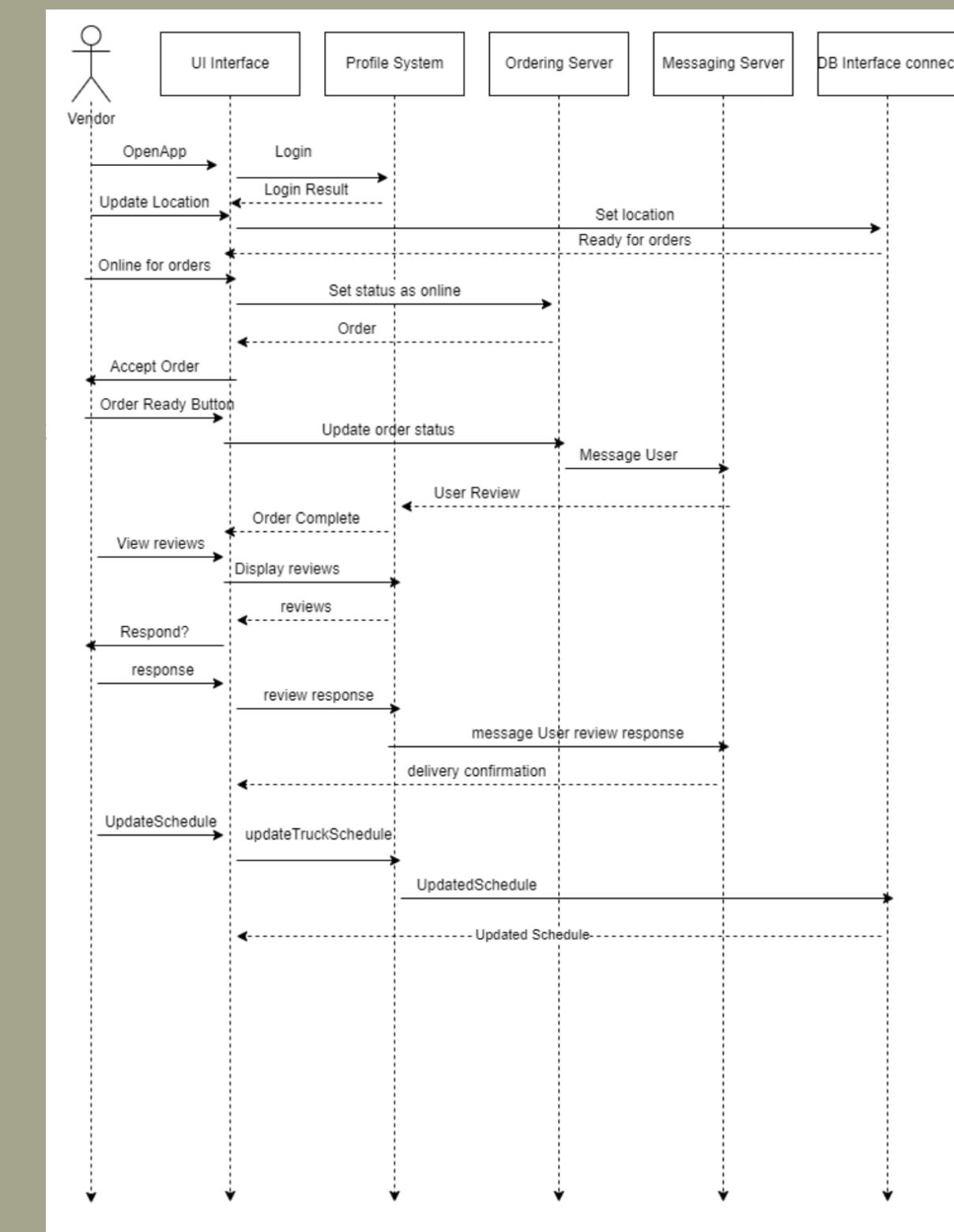
We will be using Swift for the front end and back end languages as they are readily available to be used on IOS and have great functionality with MySQL

## \*SECONDARY BACKEND LANGUAGE

We will be using MySQL as the secondary backend language because of its ease of use databasing abilities.



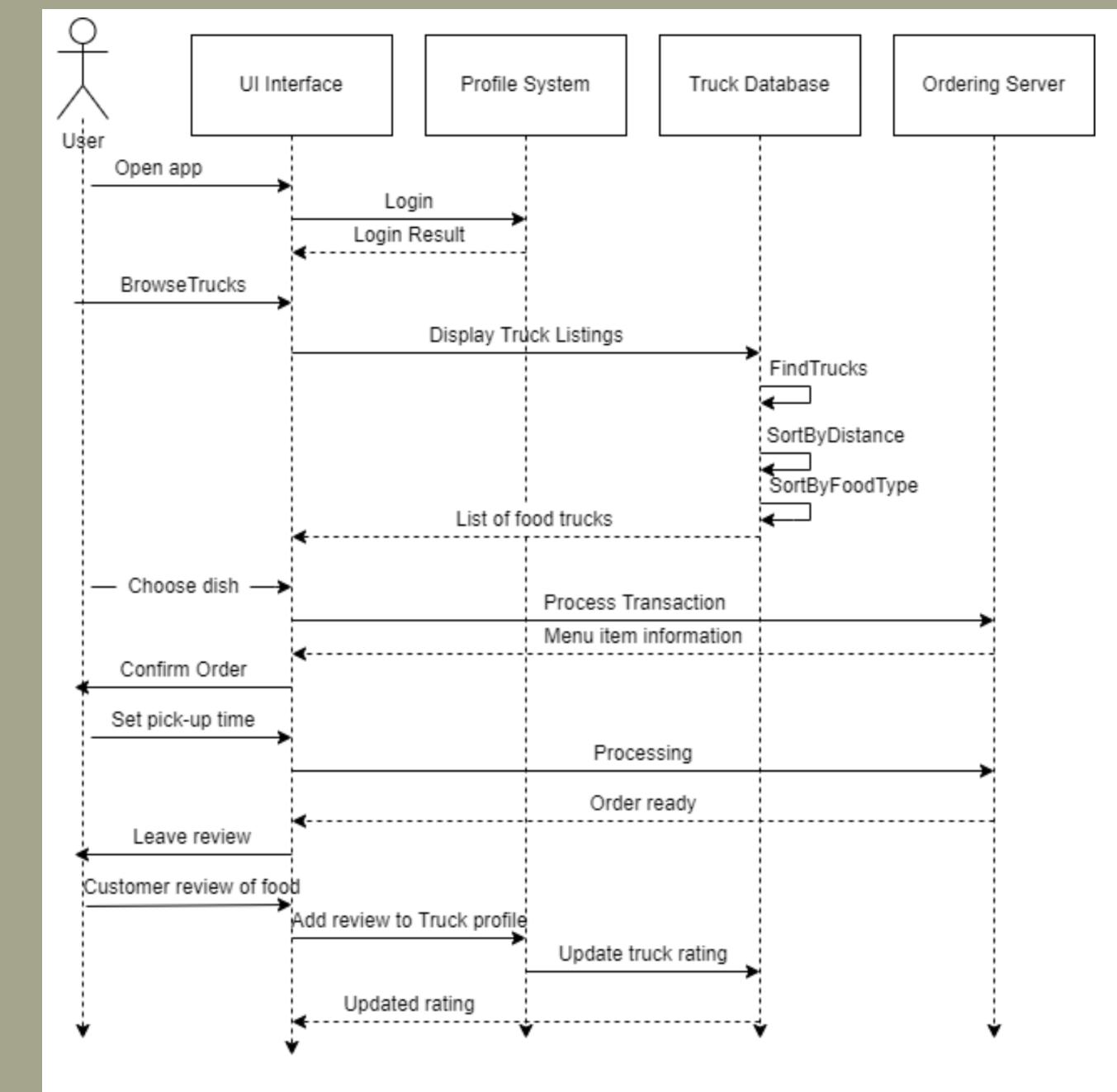
# Sequence Diagrams



T R U C K   M U C K



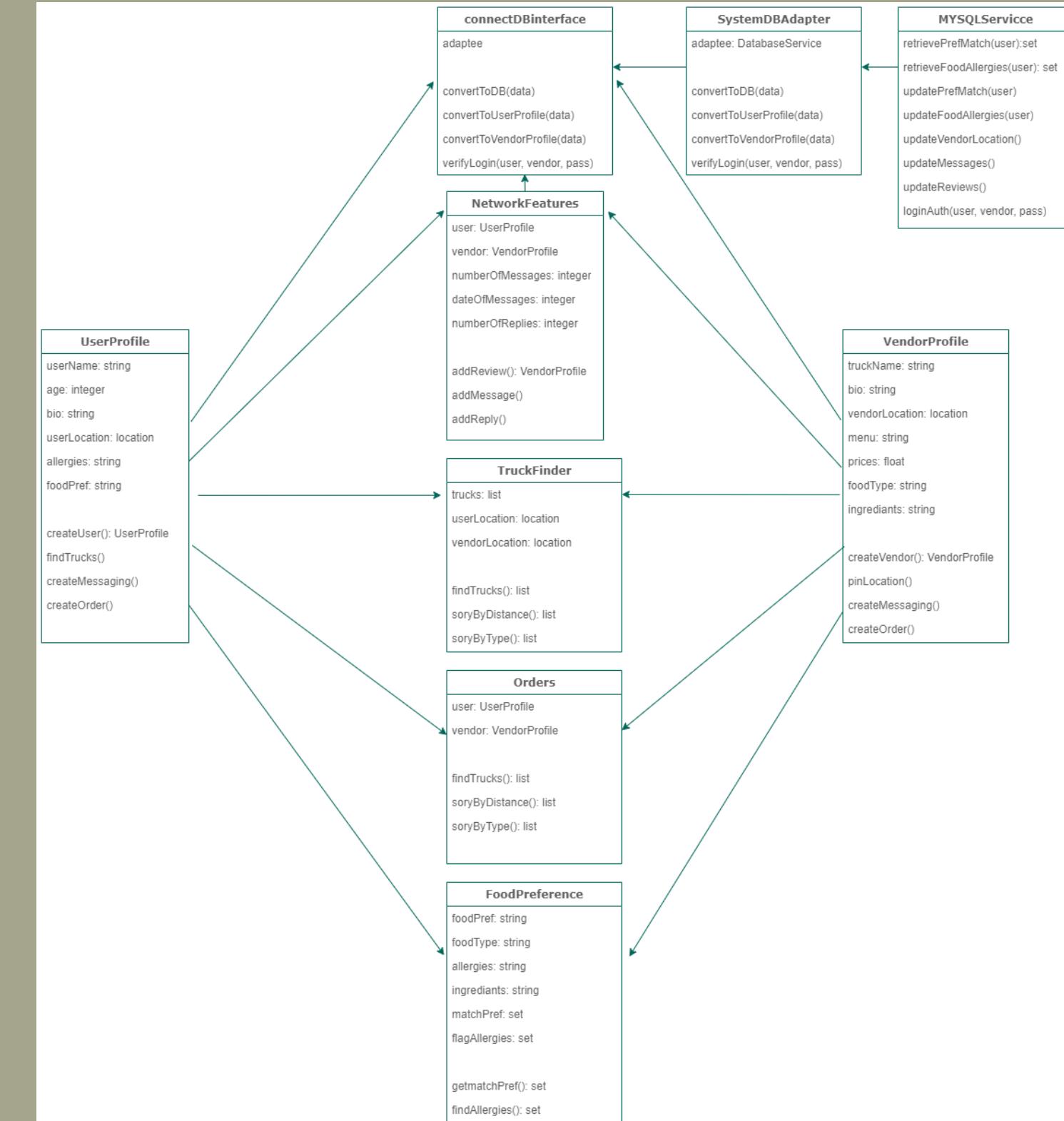
# Sequence Diagrams



TRUCK MUCK



# Class Diagram



TRUCK MUCK

# PROJECT MOCKUP



5G WiFi 9:00am

# Truck Muck

Sign In Create Account

f in tw G+

Find food trucks near you

5G WiFi 9:00am

Cynthia Dublin  
842 Followers 12 Reviews

Favorite Foods

- \*Chinese
- \*Mexican
- \*Pizza
- \*Burgers
- \*Jamaican
- \*Cuban

Allergies

- \*Nuts
- \*Eggs

Top 5 Trucks

THE GOOD TACO TRUCK

CHANGS CUISINES

Earl's PIZZA

Sweet Pastelitos

THE GOURMET ETHICALLY-SOURCED BUTCHER SHOP

5G WiFi 9:00am

Pan Con Cafesito  
108 Followers 38 Reviews

Ready

NORMANBRIGGS

MINECRAFTSTEVE

RUBYROSE

Pending

CYNTHIADUBLIN 12 mins

JORGEEXPOSITO 4 mins

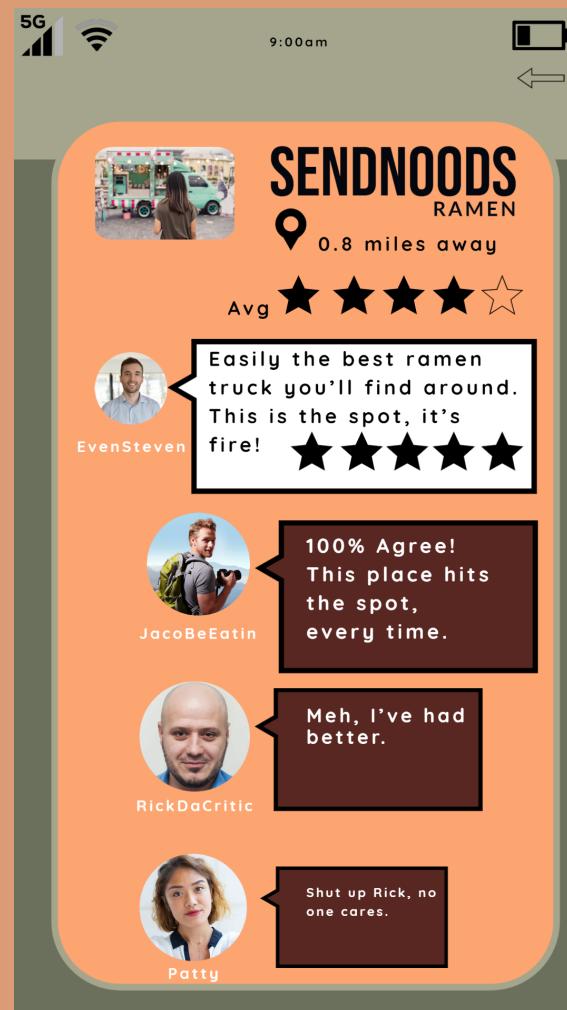
Coffee MENU KNOW YOUR COFFEE Other Drinks

Coffee	Caffe Latte	Other Drinks
Cappuccino	Cappuccino	Cappuccino
Espresso	Espresso	Espresso
Latte	Latte	Latte
Macchiato	Macchiato	Macchiato
Americano	Americano	Americano
Frappuccino	Frappuccino	Frappuccino
Syrup	Syrup	Syrup
Whipped cream	Whipped cream	Whipped cream
Meringue	Meringue	Meringue
Marshmallows	Marshmallows	Marshmallows

Sales Tracker \$2,320.00

TRUCK MUCK

# PROJECT MOCKUP



TRUCK MUCK

THAT'S ALL  
Questions?



TRUCK MUCK