

# **Group 4 Final Presentation**

**Point of Sale System**

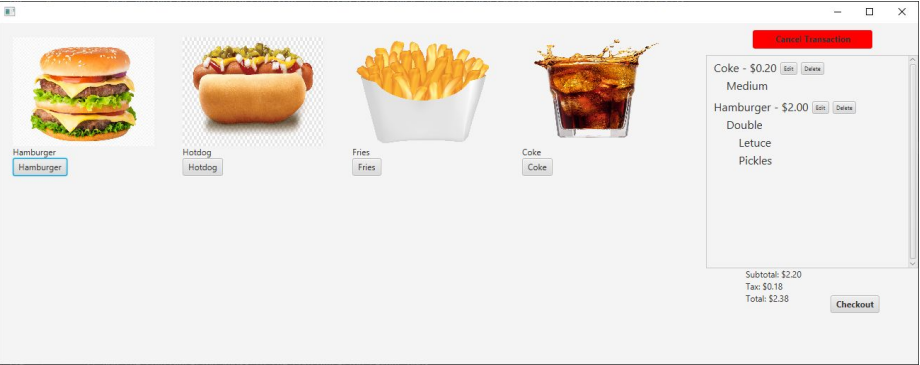
**Ian Adler, Tyler Borrelli, Swetha Sajjala**

# Project Background

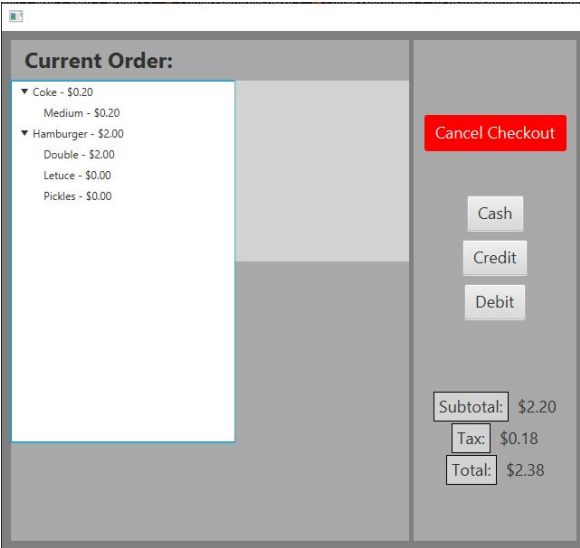
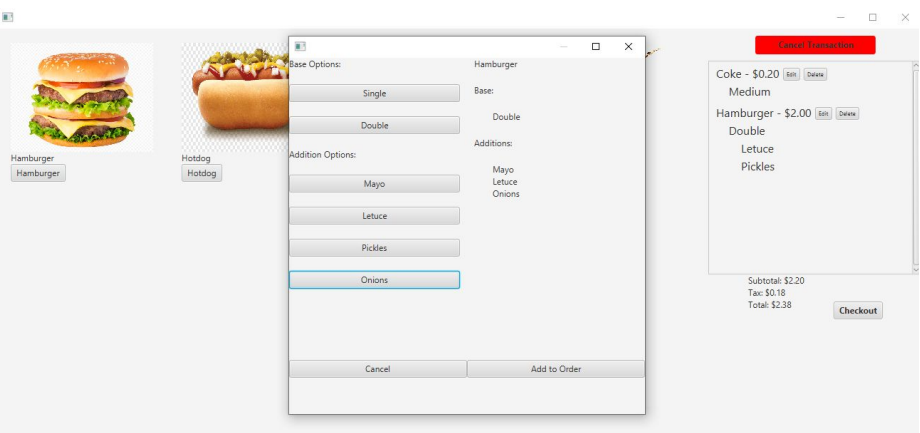
- A Point of Sale System with customizable item options
  - Targeting restaurants specifically, but could be used elsewhere.
- Configuration file specifies items available for sale
  - Item picture
  - Item base options (ex. Small, Medium, Large)
  - Item additions (ex. Onion, Lettuce, Tomato)
- Cashier can add to order from all available items
  - Customizing item before adding based on options
- Modify or remove items from order or cancel entire order
- Checkout supporting cash/check or credit/debit

# Quick Product Demo

## Main Screen

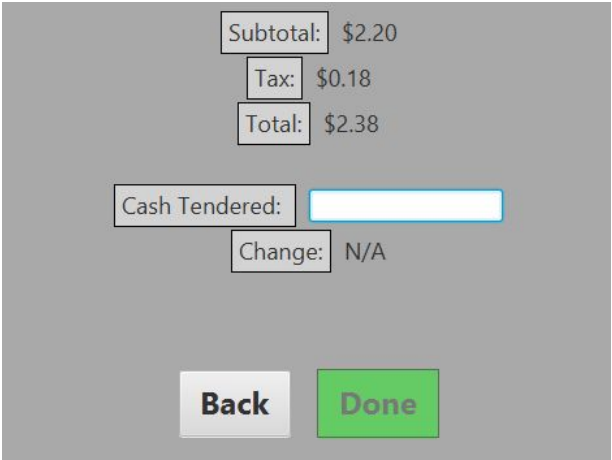


## Adding new Items



## Main Checkout

## Cash Checkout



# Alpha State: Project health

Customer


 **Opportunity**

**Addressed**

- A solution has been produced that demonstrably addresses opportunity
- A usable system is available
- Stakeholders agree worth deploying
- Stakeholders satisfied solution addresses opportunity

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 **Stakeholders**


**Satisfied for Deployment**

- Stakeholder representatives provide feedback on system from their stakeholder group perspective
- Stakeholder representatives confirm system ready for deployment

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Solution


 **Requirements**

**Addressed**

- Enough requirements are implemented for the system to be acceptable
- Stakeholders agree the system is worth making operational

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
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 **Software System**


**Operational**

- System in use in operational environment
- System available to intended users
- At least one example of system is fully operational
- System supported to agreed service levels

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Endeavor


 **Team**

**Adjourned**

- Team no longer accountable
- Responsibilities handed over
- Members available for other assignment

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 **Work**

**Concluded**

- Work to produce results have been finished
- Work results are being achieved
- The client has accepted the resulting software system

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 **Way of Working**

**Working Well**

- Way of working is working well for team
- Team members are making progress as planned
- Team naturally applies practices without thinking about them
- Tools naturally support way of working

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# Way of Working

## Version Control:

- Git, remote repository hosted on GitHub
- Development done in branches. One Code Review approval needed before merging.

## Development:

- Visual Studio Code as IDE
- Java Language with Maven for building management
- JavaFX selected as GUI Framework

## Collaboration:

- Discord for voice/text (separate channels for specific topics, ex. Meeting planning).
- Google Drive shared folder for assignment and misc. document collaboration
- Trello for tracking Product / Sprint Backlogs

## Management:

- Essence for Project Health and Status tracking
- Scrum for Project Management

# Outcome

## What Worked Well

- Pair Programming / Collaboration Sessions
- Meeting Management - the expectations for any given meeting we had were well defined
- DWYSYWD
- Maintaining Velocity

## What didn't work Well

- Sticking to the ceremonious SCRUM task management practice
- Code Reviews
- Essence tracking of Customer Alphas
  - These were largely meaningless in the context of this project