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**\$1.00 off 2**

*valid thru 10/21/23*

Select Kellogg Cereals 10.5 oz -  
24 oz.

## What is Invoice to Cash?

- Business activities including – Deduction Management, Invoice Collection, and Cash Application
- Deduction: Customer short pays from retail trade agreements, shortages, fees, etc.

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The Problem?  
Data, Data Everywhere!

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## The Solution...

### Project Snap

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- One centralized place for all data to be stored and connected via relational database tables
  - Changes shall be made in real time and reflected in internal business reporting
  - Manage team resources and aid in goal setting
  - Forecast Deduction clearing based on historical activities
- 



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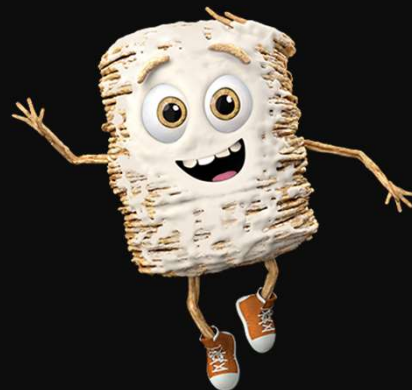
## Technologies Used

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- Python
  - Flask (Backend)
  - Bootstrap (Front End)
- Microsoft SQL Server

### In Deployment

- SAP and High Radius
  - Deployed on in-house server
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## Features & Requirements

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## Functional Requirements

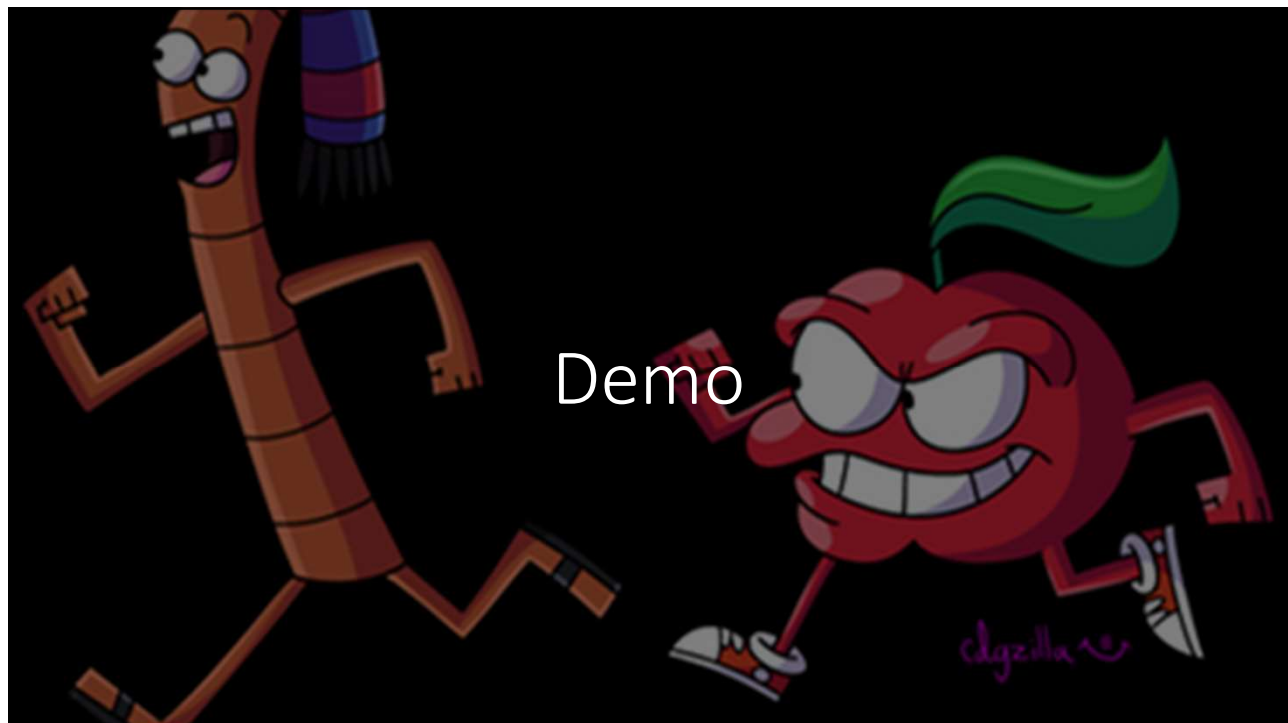
- User Registration
  - User Friendly Form
  - Required info for registration
  - Password Complexity
  - Confirm Password
  - Display Message
  - Update SQL Table
  - Unique usernames only
- User Authentication
  - Navbar will change based on login status
  - Password Reset Options
  - System Time Out
  - Lock out users
  - Admin to unlock accounts
- Customer Profile and Dashboard
  - Display key metrics
  - Update customer info
  - Only admins can update customer info
  - Outgoing email for support
  - Customer profile picture
- User Profile & Dashboard
  - Users can change their own data
  - Profile picture
  - User data can be visible to all users
  - Deactivate profile
  - Admins to edit data
- Data Entry Operations
  - Data constraints for user data
  - Generate error messages
  - Export data
  - Record user who made change
  - Record time and action of change

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## Non-Functional Features

- Web Based Platform
  - Access across multiple browsers
  - Responsive design
  - Multiple devices
  - Consistent UI design
  - User Friendly Error Messages
- Security
  - Only WK Data
  - Backend data access requires NDA
  - Encrypted Data
  - User account lock-outs
  - Role based access control
- Data Integrity
  - Use SSMS
  - Data ties out with master source
  - Record count tie out
  - No duplicates in data transactions
  - Ensure that data is available and validated daily
- Performance, Usability & Maintainability
  - UI responds quickly
  - Load dashboard within 3 seconds of request
  - Queries return in a max of 2 seconds
  - System messages shall be easily identified
  - Easy to navigate and use
  - Code is fully documented
  - 100 users without degradation
  - UI elements consistent
  - Regular system backups
  - Version control
- Technical Documentation
  - Target audience clearly defined
  - Sections clearly identified
  - Revision history
  - User feedback mechanism
  - Hosted on WK GitHub

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## Deployment Strategy

- Still a lot of work to do
  - Review Design
  - Code cleanup
  - Security measures
  - Work with IT for additional security implementation
  - User testing

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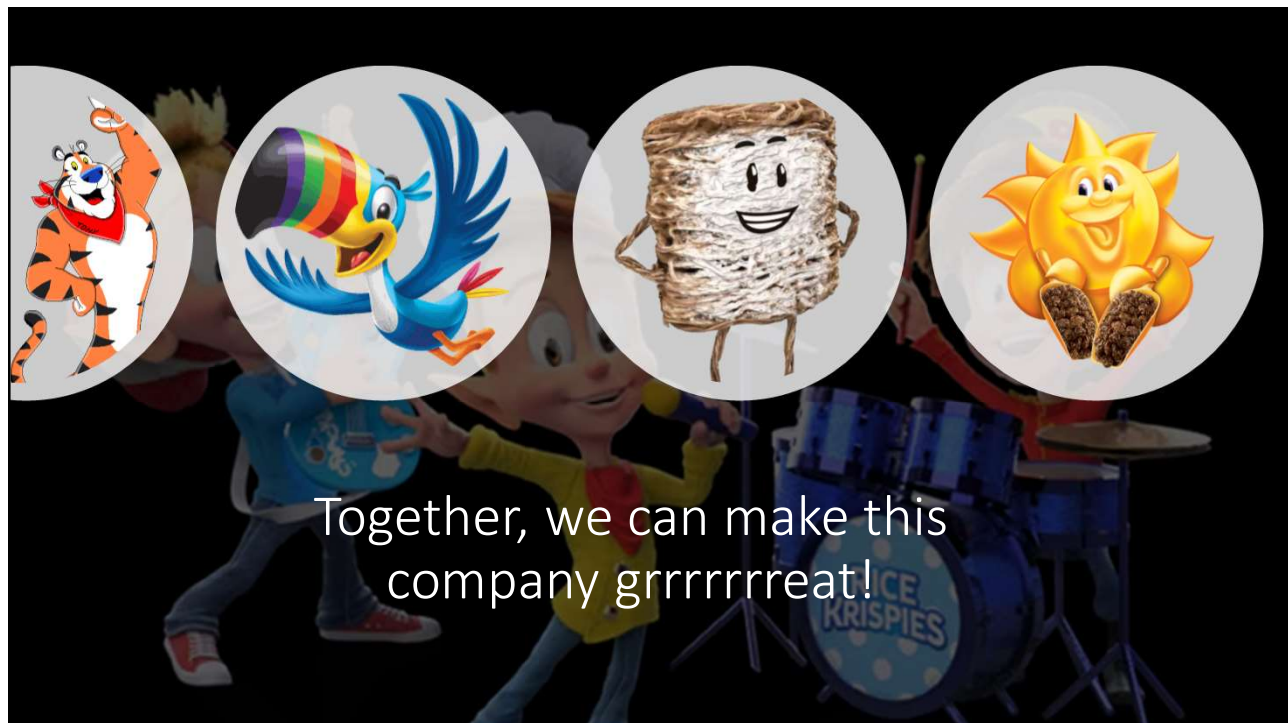


## Training and Implementation Plan

- Live demonstration and Q&A session
- User Testing to ensure the app meets user expectations
- Accuracy Improvement Demonstration in Reporting System
- Recorded Training Video
- Documentation and Support Materials
- Develop a clear implementation timeline and direct all new request to the new system
- Feedback loop



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Together, we can make this  
company grrrrreat!

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