

The background image shows a green tractor in a grassy field. A semi-transparent green rectangular overlay covers the middle portion of the image, serving as a background for the title and team information. The tractor is positioned in the upper half of the frame, and the field extends to the horizon under a clear sky. In the bottom foreground, there are some wooden planks and logs on the ground.

FreshQ: The Future of Barcodes

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The Offer

- Team 16 :)
- Our pitch
 - 5% Equity for \$500,000
 - \$10,000,000 evaluation of the company
- Our Stats:
 - Total sales: 0
 - Revenue made: 0+ (but going up)
 - Time invested in the company : ~24 hours



Our Challenge

Transparency



The producer becomes open to the consumer

Accuracy



Items are able to be tracked and located accurately

Recall Ready



Any recalls needed are easy to fix and thus money and time saved

The Synopsis

The app



Easy

Simplistic
app design



Traceable

All
information
stored



Recall help

Any issue is
quick to fix



The code



Easy

Select to
create



Wide data

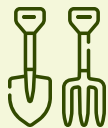
Slew of info
in one line



EPCIS help

Data can be
stored and
traced

What's the Benefit



It's Simple

Just needs general info to be inputted (location, the farmers name, product, and etc.)



Traceable

The app ensures that any cucumber can be traced back to its point of origin and when it achieved each event



Ensures farmer accountability

If at any point the farmer takes longer than the FDA's requirement to start cooling/etc. The cucumbers have to be recalled

Technology

Java

Coding software that backs the app

Electron

Webpage app creator that presents the information

BarTender

Designs the barcodes and allows them to print

EPCIS

Stores the data making the cooling process recognized

Our Backing

General standards

Brought to us by GSI and
FDA ★

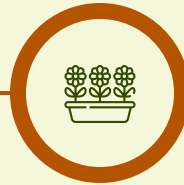


FSMA 204

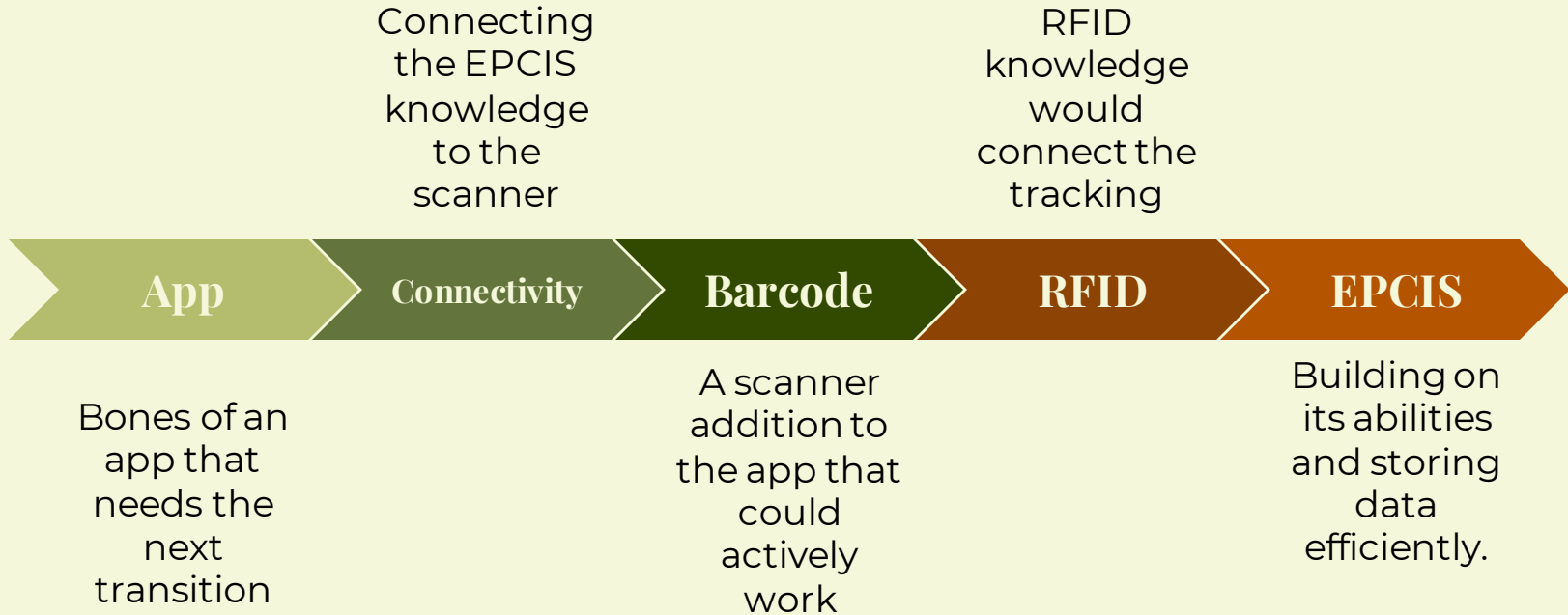
Importance of traceability
and KDE elements

Cooling requirements

Farmer has to be able to
cool the items in time



To Enhance FreshQ



Wright to Win



Functional

A concept that works and is logical



Experience

4 freshman with no prior knowledge

Simple

A product that is user friendly



Potential

The bones of a revolutionary product



App Presentation



This app allows farmer or shippers processing produce to log in all their information to simply scan their product and go. It has an additive feature where all of your information like address, name, phone number, email, etc. This information can then be traced back as you continue to scan the product from location to location.

App Presentation



```
import java.util.HashMap;

public class User {
    // will create a new user
    // that information will be able to be added into an
    // ArrayList of data pertaining to the barcode

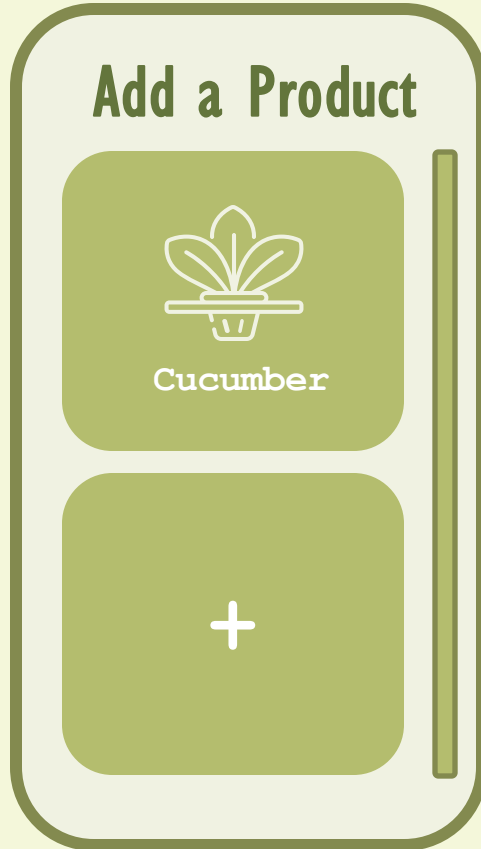
    private String firstName;
    private String lastName;
    private String streetAddress;
    private String city;
    private String state;
    private String zip;
    private String phone;
    private String email;

    public User() {
    }

    public User(String firstName, String lastName, String streetAddress, String city, String state, String zip, String phone, String email) {
        this.firstName = firstName;
        this.lastName = lastName;
        this.streetAddress = streetAddress;
        this.city = city;
        this.state = state;
        this.zip = zip;
        this.phone = phone;
        this.email = email;
    }

    public HashMap<String, String> userInfo() {
        HashMap<String, String> newUser = new HashMap<>();
        newFarmer.put("First Name ", this.firstName);
        newFarmer.put("Last Name ", this.lastName);
        newFarmer.put("Street Address ", this.streetAddress);
        newFarmer.put("City ", this.city);
        newFarmer.put("State ", this.state);
        newFarmer.put("Zip ", this.zip);
        newFarmer.put("Phone ", this.phone);
        newFarmer.put("Email ", this.email);
        return newUser;
    }
}
```

App Presentation



```
import java.util.HashMap;

public class CucumberCase {
    // will create the initial product item

    private String caseGTIN;
    private String commodity;
    private String currentSSCC;
    private String productWeight;

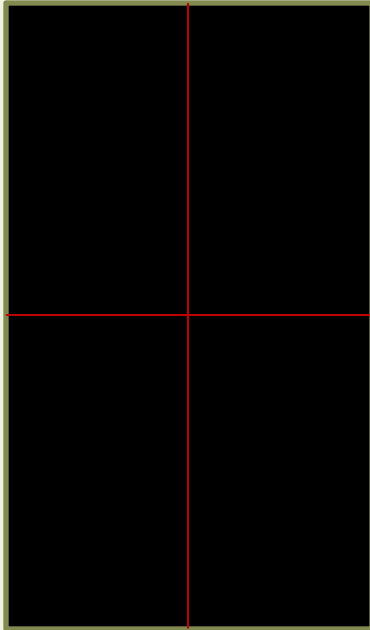
    public CucumberCase() {
    }

    public CucumberCase(String caseGTIN, String commodity, String currentSSCC, String productWeight) {
        this.caseGTIN = caseGTIN;
        this.commodity = commodity;
        this.currentSSCC = currentSSCC;
        this.productWeight = productWeight;
    }

    public HashMap<String, String> productInformation() {
        HashMap<String, String> cucumberInfo = new HashMap<>();
        cucumberInfo.put(key: "Weight ", productWeight);
        cucumberInfo.put(key: "Produce Item ", commodity);
        cucumberInfo.put(key: "SSCC ", currentSSCC);
        cucumberInfo.put(key: "Case GTIN ", caseGTIN);
        return cucumberInfo;
    }
}
```

App Presentation

Scan Barcode



Product History

Shipping
Bob Green
...

Cooling
8500203170040
...

Harvesting
Beth Farmer
...

Thank you! 😊