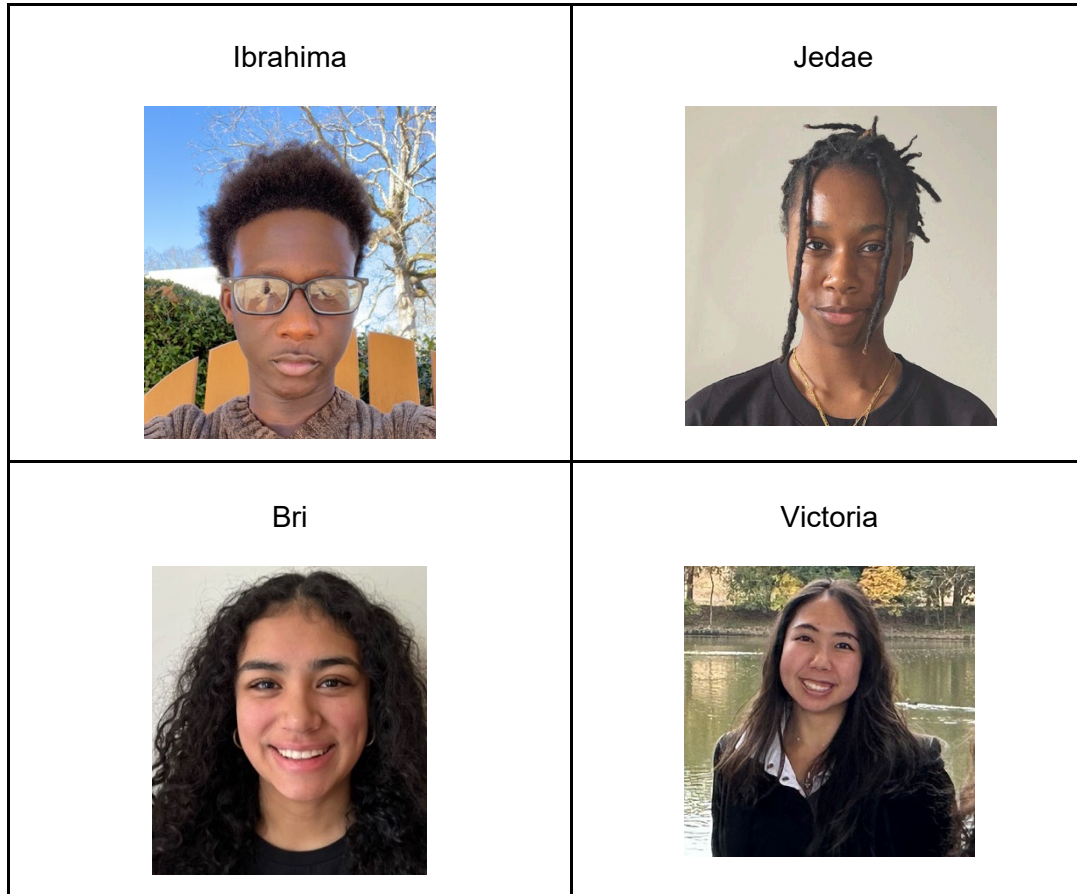


**INDY-9 — MyFoodScan App****CS 4850, Section 01/02, Spring 2024****Jan 19, 2024****Project Team**

<b>Roles</b>	<b>Name</b>	<b>Major responsibilities</b>	<b>Cell Phone / Alt Email</b>
Team leader	Ibrahima Gueye	Developer	404-915-1553 Ibrahimaswe@gmail.com
Team members	Jedae Lisbon	Developer	404-510-8390 Jlison68@gmail.com
	Bri Noel	Documentation	404-452-5664 Brinoel2002@gmail.com
	Victoria Kuswita	Documentation	540-409-8406 Torikuswita@gmail.com
Advisor / Instructor	Sharon Perry	Advisor	770-329-3895 Sperry46@kennesaw.edu

## Final Deliverables - Specific To Your Project

1. Final Report
2. Software files
3. Website (more on that later)
4. GitHub link ( <https://github.com/Indy009> )
5. Final Video Presentation (40% how you did it, 60% demo of project) – you record this on your desktop and post it on your website

## Milestone Events (Prototypes, Draft Reports, Code Reviews, etc.)

#1 - By Feb 12th

- SRS and SDD

#2 – By Feb 25<sup>th</sup>

- Prototype
- Peer Reviews

This is a list of Deliverables for the entire course, but you can list additional events

Team/Project Selection document (Individual Assignment)

Weekly Activity Reports (WARs – Individual Assignment)

Peer Reviews (Individual Assignment)

Project Plan (Group Assignment)

Present Prototype for Peer Review (Group Assignment)

Website (Group Assignment)

Video Demo (Group Assignment)

C-Day Application/Submission (Group applies to C-Day but you submit individual bonus points documentation in Individual Assignments)

Final Report Package (Group Assignment)

## Meeting Schedule Date/Time (Applies to All)

Thursdays and Fridays at approximately 2pm.

## **Collaboration and Communication Plan (Applies to All)**

### **UPDATE TO THIS – YOU MUST USE MY TEAMS SETUP – INFO LATER**

Communication – Teams, Cellphones (Call/Text)

Collaboration- Teams, In-person

Version Control- GitHub

## **Project Schedule and Task Planning (Applies to All)**

See the Project Work Plan (Gantt chart) file attached.

## **Risk Assessment (if applicable)**

N/A

## **Version Control Plan (Applies to All)**

Create, maintain and utilize a Github account for the Sr. Project; where all code and document versions are submitted.

## **Abstract:**

In response to the growing need for personalized dietary management, this project proposes the development of an advanced food/snack scanning application. The application will utilize cutting-edge image recognition and AI technology to analyze food products and identify their compliance with various dietary restrictions such as kosher, Halal, vegan, vegetarian, and any allergen-specific needs. Users will scan the product's barcode and the app will cross-reference the ingredients with a comprehensive database. This database will be curated and regularly updated in collaboration with dietary experts and community feedback, ensuring accuracy and inclusivity.

Additionally, the application will feature user profiles where individuals can specify their dietary restrictions, allowing for a customized experience. To enhance engagement, the app will also provide educational content about different dietary practices and health tips. By offering a user-friendly and informative platform, this project aims to empower individuals with dietary restrictions, making their shopping experiences safer, more convenient, and aligned with their health and beliefs.

## **Platform:**

For the frontend development of the app, cross-platform options are being considered, with Flutter and React Native chosen for their comprehensive and versatile capabilities. Additionally, Figma is going to be utilized for UX/UI prototyping, ensuring a user-friendly design. In terms of backend development, Node.js is a top choice, particularly for its

smooth compatibility with React Native. Lastly, the implementation of Machine Learning algorithms is crucial for the image recognition and analysis component of the application, ensuring accurate product scanning and analysis.

**STATEMENT OF PARTICIPATION** (put this at the bottom of your document and everyone signs it)

By signing below, I, Ibrahima Gueye, (type or print name here) acknowledge that I will participate in all meetings, communications, deliverables and other tasks necessary to complete the project. If I do not participate, I understand that Professor Perry will meet with me to remedy the situation.

**Signed by:**

\_\_\_\_\_ Ibrahima Gueye \_\_\_\_\_  
Team Member 1

\_\_\_\_\_ 1/19/2024 \_\_\_\_\_  
Date

**STATEMENT OF PARTICIPATION** (put this at the bottom of your document and everyone signs it)

By signing below, I Jedae Lisbon (type or print name here) acknowledge that I will participate in all meetings, communications, deliverables and other tasks necessary to complete the project. If I do not participate, I understand that Professor Perry will meet with me to remedy the situation.

**Signed by:**

\_\_\_\_\_ Jedae Lisbon \_\_\_\_\_  
Team Member 2

\_\_\_\_\_ 1/19/2024 \_\_\_\_\_  
Date

**STATEMENT OF PARTICIPATION** (put this at the bottom of your document and everyone signs it)

By signing below, I, Brianna Noel, (type or print name here) acknowledge that I will participate in all meetings, communications, deliverables and other tasks necessary to complete the project. If I do not participate, I understand that Professor Perry will meet with me to remedy the situation.

**Signed by:**

\_\_\_\_\_ Brianna Noel \_\_\_\_\_  
Team Member 3

\_\_\_\_\_ 1/19/24 \_\_\_\_\_  
Date

**STATEMENT OF PARTICIPATION** (put this at the bottom of your document and everyone signs it)

By signing below, I Victoria Kuswita (type or print name here) acknowledge that I will participate in all meetings, communications, deliverables and other tasks necessary to complete the project. If I do not participate, I understand that Professor Perry will meet with me to remedy the situation.

**Signed by:**

\_\_\_\_\_ Victoria Kuswita \_\_\_\_\_  
Team Member 4

\_\_\_\_\_ 1/19/2024 \_\_\_\_\_  
Date