Please provide the following information to be shared with on capstone information exchange platform:

1. **Project number**: 23

2. **Project title (as will appear on the poster)**: User Authenticated Smart Gun System

3. **Team members**: Cedric Blake, Vineet Sepaha, Brian Chu, Harshil Patel

4. **Adviser(s) name(s)**: Phillip Southard

5. **Up to 10 keywords that will help to classify the project**:
   - Authentication, Microcontroller, Gun, NFC, Web App

6. **Project abstract (up to 200 words) to be shared with judges**:

   The User Authenticated Smart Gun System was developed using an Arduino microcontroller in conjunction with an NFC “shield” breakout board. Together this system is embedded into an electronic Nerf gun. The system also has an associated web application where a user can authenticate people to specific guns. Once authenticated, this user can wear an associated NFC ring and use it to unlock the weapon, thus allowing it to be fired. The motivation of this project was to prevent accidental shootings and deter gun theft.