

Duke Attend

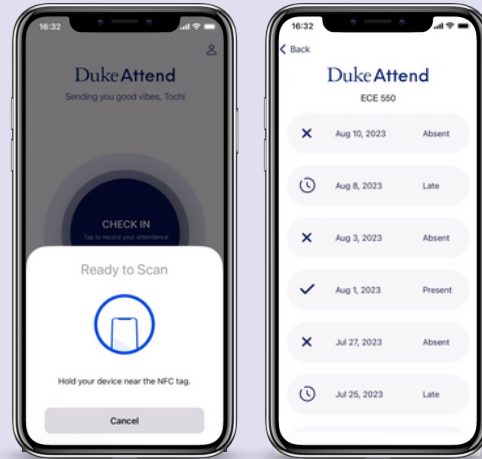
Attendance Tracking. But Smarter.

OVERVIEW

Our project streamlines **attendance tracking** for professors by developing a tandem iOS app and web application that efficiently utilize **Near-field communication (NFC) tags**.

IOS APP - WHAT THE STUDENT SEES

- One-time log-in with Shibboleth authentication
- Check in button to scan the NFC tag in the room
- View your personalized course list
- Click on each class to view your attendance



ADVANTAGES OF NFC TAGS



Cost Effective



Stationary Item



Rapid iOS to Web Communication



Non-Invasive

WEB APP - WHAT THE PROFESSOR SEES

- Check past attendance records
- Export records as CSVs
- View student roster for the class
- Individual students' attendance records
- Email students with one click

DASHBOARD



Log-in with Shibboleth authentication for professor to access each course

DAILY ATTENDANCE



Check today's attendance as students are checking in, sorted by present, late, and absent

FUTURE DEVELOPMENTS

- **DATA INTEGRATION:** Seamless access to student data while adhering to FERPA regulations
- **ANDROID SUPPORT:** Develop a fully functional Android version for all students to use
- **EXPANDED TESTING:** Student and professor testing to maximize user experience

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