

# **COMP4970 - Software Engineering**

## **Red Team**

Emmett Basaca, Alex Bodian, Timothy Boss,  
Kevin Cotter, Thomas Cox, Jacob Hayes,  
Giles Holmes, Crissy Leach, Ian Marshall, Rachel Palmer, Zeily Perez,  
Ford Polia, Brady Walsh

## **Requirements**

## Purpose:

To develop an app to keep track of headcount per room as Boston Code Camp sessions are going on. The end result would provide additional statistics for stakeholders to gauge how successful the sessions were. These numbers could lead to more funding and possibly give our attendees better content in the future.

Stakeholder Name	Impact <sup>1</sup>	Influence <sup>2</sup>	What is important to the stakeholder?
Volunteers	<i>High</i>	<i>None</i>	<i>Intuitiveness, speed</i>
Vendors	<i>Low</i>	<i>None</i>	<i>Collected attendance data</i>
Sponsors	<i>Med</i>	<i>Med</i>	<i>Collected attendance data</i>
Organizers	<i>Low</i>	<i>None</i>	<i>Collection is quick and non-intrusive, collected attendance data</i>
Bob & Doc	<i>Med</i>	<i>High</i>	<i>Quality of app, collected attendance data, app completed on time</i>
The class (Red Team)	<i>Med</i>	<i>High</i>	<i>App completed on time, We win</i>
Presenters	<i>Low</i>	<i>None</i>	<i>Collection is quick and unintrusive</i>
Attendees	<i>Low</i>	<i>None</i>	<i>They get counted by the app, collection is quick and unintrusive</i>

---

<sup>1</sup> Impact - How much do design decisions affect them?

<sup>2</sup> Influence - How much of a say do they have in making those decisions?

## **Functional Requirements:**

- The system shall allow users to check into event
- The system shall allow users to enter how many heads in a room at the beginning, middle, and end of event
- The system shall allow organizers to see the complete attendance for the sessions
- The system shall allow for user authentication

(Edited in class):

1. Accurate data, is editable, and able to check who entered the data
2. Uncomplicated multiple data entry points, consistent among platforms, and intuitive UI
3. Client can view data
4. Security

## **Non-Functional Requirements:**

- UX/UI needs to be intuitive and responsive
- Available on the major mobile platforms
- Data should be persistent and accessible outside of events
- Allow room capacity overflow up to specific percentage of room size
- Chance of accidental data entry should be minimized
- Allows for multiple users and concurrent connections

(Edited in class):

1. Data can be validated
2. Database
3. Manage data
4. Acknowledgment (tell the user that we received the data)