

## Project Charter

1. Problem Statement (20 points) Clear and well-defined problem statement.

**Currently, for conferences such as Comic-Con or FACT, delegates are given physical name tags. These name tags are used to display events that delegates registered for and verify the delegate's attendance per event through stamps, hole punches, etc. One downside to this method is that it does not fully ensure that a delegate goes to the correct events (i.e. delegate goes to different events than registered for, but manages to get attendance for his events anyways). Another issue is since the attendance is manual, organizers often have a hard time actually tracking delegates since they don't have a concrete list of attendance which can result in bad event coordination. A third issue is the fact that it's hard for delegates to connect with others because they often cannot find other people's contact info during the event.**

2. Objectives (40 points) Clear and well-defined list of objectives of the project.

**Our solution to these problems is to create a conference organization app that will provide each delegate with an unique QR code on their name tags. This digital name tag would let delegates scan themselves into events to shorten the sign in time as well as provide better verification of attendance since everything would be managed through the administrator page. The administrator page would also have a database containing all delegates' events which will help event organizers locate people and help direct others to where they're supposed to be. Other uses of the QR code include the ability for delegates to download an app that allows them to input their personal information, such as Facebook profile, into their code. This way, delegates can connect with others simply by scanning their digital codes. This would help delegates save other people's information easily and socialize without the fear of forgetting to add people on social media sites. Outside of just conferences, this app could be applied to a multitude of social activities such as club call-outs, festivals, hackathons, and career fairs.**

3. Stakeholders (10 points) Mention relevant stakeholders (at least four stakeholder categories).

- **Delegates attending event:** Would be the main focus of this project since they would all be required (?) to have a QR code or download the app
- **Event organizers:** Would use this app to manage all attendees and gather data for their next events
- **Businesses attending event:** Would be able to display information through their QR code as well as have a list of people that went to their booth by having people scan in when they visit
- **Sponsors:** Would be able to view the list of people attending and events occurring, similar to the event organizers, but more for a business standpoint
- **Press:** Would be able to use the application to see the number of attendees for more information to raise awareness about the event and providing media coverage of the event

- **Data analysts: Would be able to retrieve accurate data related to event since there will be a list of attendance as well as other possible data such as number of people that connected through the QR code**

4. Deliverables (30 points)

1. Specify well-defined deliverables of your project and describe them in brief.
2. Mention any platform(s) that you plan to use.

**Mobile application - using React Native to support both iOS and Android**

**App will consist of:**

- **Coordinating which events delegates are signed up for**
- **Scanning QR codes to provide additional information that users will have the option of putting**
  - **Social media information (Facebook, Instagram, Snapchat)**
  - **Personal info (phone number, address)**
- **A verification for events to prevent people from sneaking into events they're not invited to**
- **Will also allow the event coordinators to have usable data to reflect on for their next conference (which events had the most attendance/popularity, etc.)**