**Sprint 1:**

**Goal**

Create a basic frame for the app that can create new events, register users, generate tickets, and scan tickets.

**Backend**

* New event
  + Receive Event Title
  + Generate unique 3 digit event number
* New ticket
  + Receive Name
  + Receive Email
  + Receive Event Title
  + Generate 7 digits unique to the user within the event
  + Combine user number with event number
  + Generate QR code
  + Format ticket into PDF
  + Email to user
* Ticket Scan
  + Receive 10 digit user number
  + Confirm number is a user and hasn’t already been checked in
  + Sent confirmation or error
  + If confirmed change users status to checked in

**UI**

* Event page
  + List events that the user owns
  + Button for creating new events
* New event page
  + Field for event name
  + Confirmation button
* Event list
  + List users with tickets
  + Button for creating new user
  + Button for camera to scan users
* New user page
  + Field for name and email
  + Confirmation button
* Camera page
  + Camera
  + Popup confirmation indicating if the ticket is valid

**Frontend**

* QR reading
  + Scan QR code
  + Send string
  + Receive confirmation/error
* New Event
  + Send event name
* New user
  + Sent name and email

**Sprint 2:**

**Goal**

Support multiple hosts and add features to streamline the invite check in process.

* Add support for optional fields
  + Event location
  + Event time
  + seat/section
  + Payment status
* Add support for multiple hosts per event
  + Host account registration
* Mass invite support
* IU optimization
  + Animations
  + Button remap

**Sprint 3:**

**Goal**

Add invitee functionality.

* Add support for invitees
  + Ticket folder
  + Invitee account registration
  + Invitee self event registration

**Bonus Features:**

* Web support
* IOS support
* Social media features
  + Facebook support