Heart Screening Management System – Milestone 3

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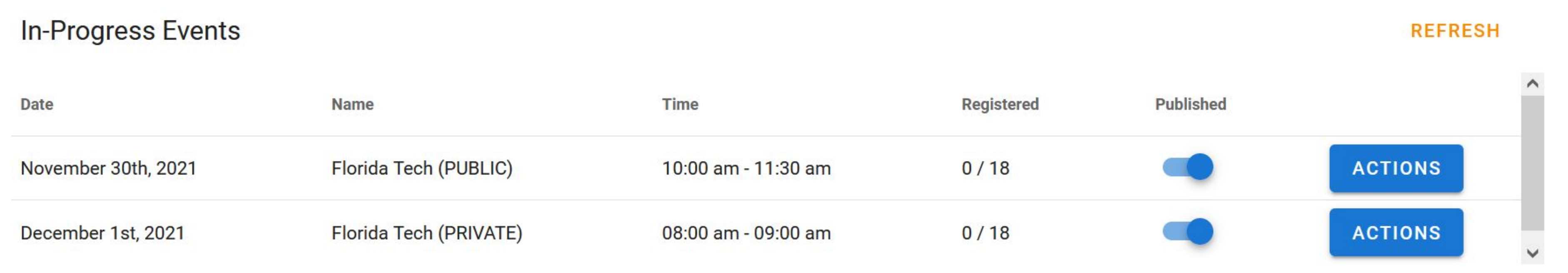
Milestone 3 Overview

- Fixed bug where private events show up publicly to participants
- Adjusted functionality for registration links
- Redesigned the state diagram and made updates to database and dependent queries
- Researched potential solutions for interacting with the Cardea software to continuously update local spreadsheets via the database
- Began implementation of new state diagram:
  - Automatic state transitions for InSession -> Happening -> Occurred event statuses

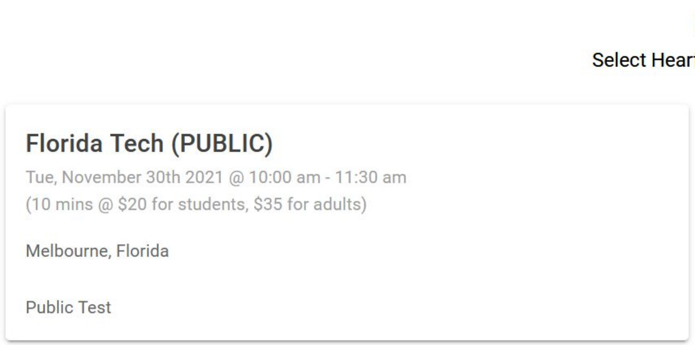
Bugfix: Display Only Public Events on Registration Page



In-Progress Events

REFRESH

Date	Name	Time	Registered	Published	
November 30th, 2021	Florida Tech (PUBLIC)	10:00 am - 11:30 am	0 / 18	●	ACTIONS
December 1st, 2021	Florida Tech (PRIVATE)	08:00 am - 09:00 am	0 / 18	●	ACTIONS



1

Select Heart Screening Event

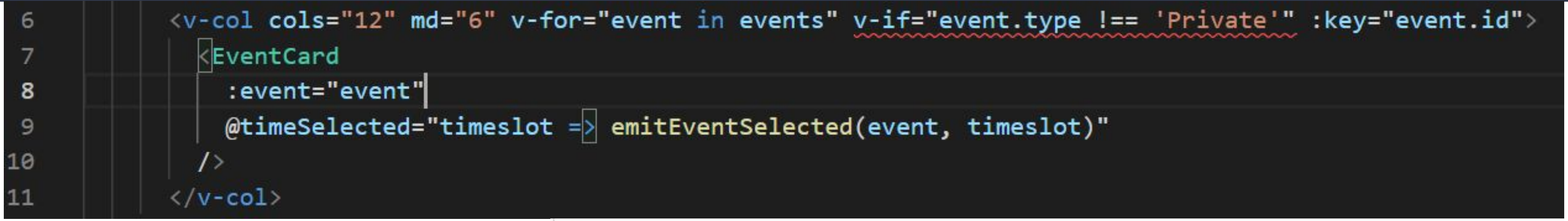
Florida Tech (PUBLIC)

Tue, November 30th 2021 @ 10:00 am - 11:30 am
(10 mins @ $20 for students, $35 for adults)

Melbourne, Florida

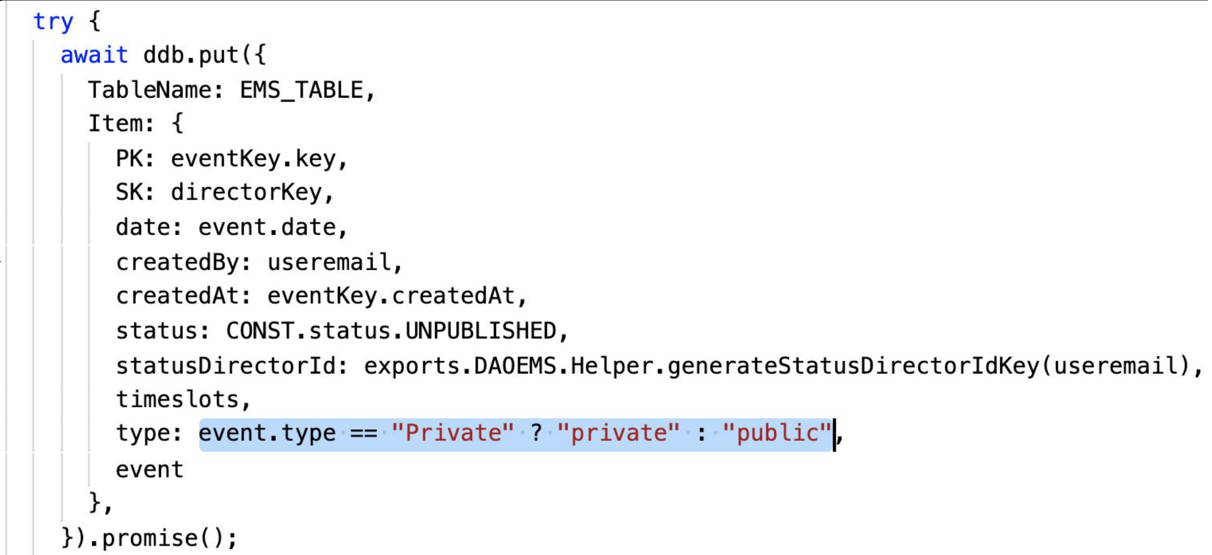
Public Test

Bugfix: Display Only Public Events on Registration Page



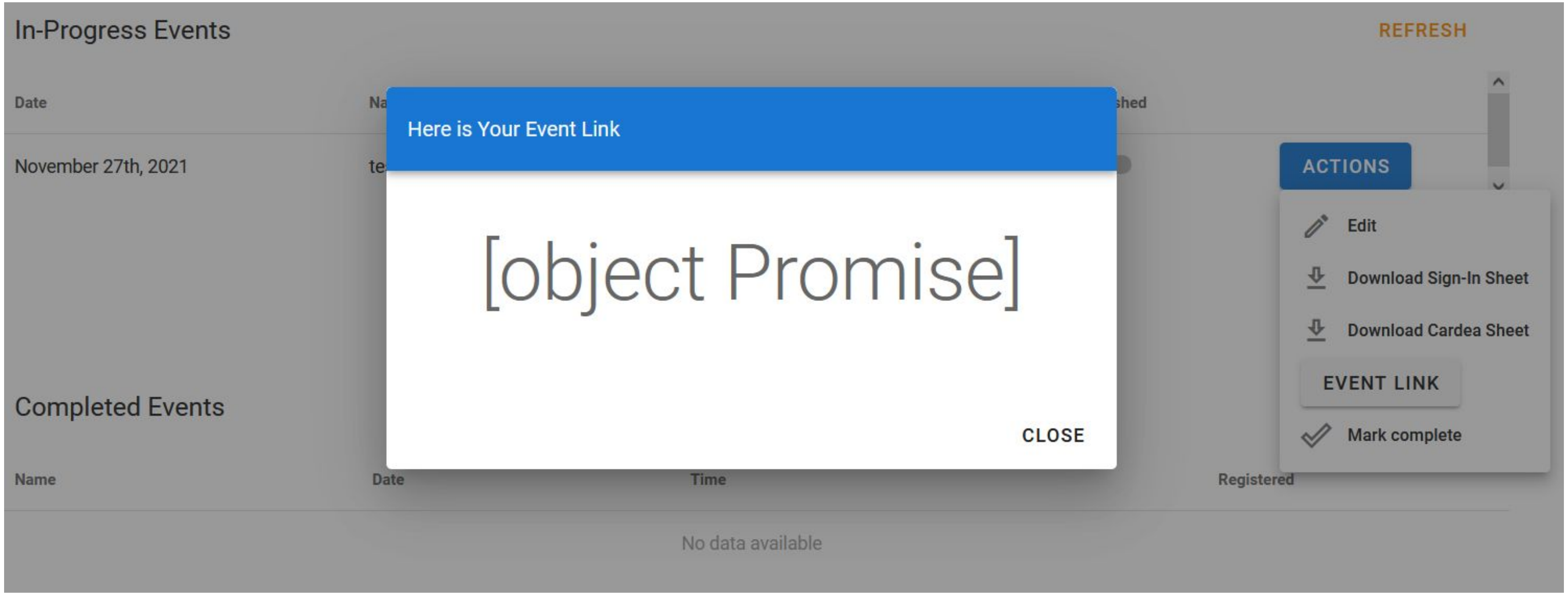
```
<v-col cols="12" md="6" v-for="event in events" v-if="event.type !== 'Private'" :key="event.id">
  <EventCard
    :event="event"
    @timeSelected="timeslot => emitEventSelected(event, timeslot)"
  />
</v-col>
```

Event creation in database



```
try {
  await ddb.put({
    TableName: EMS_TABLE,
    Item: {
      PK: eventKey.key,
      SK: directorKey,
      date: event.date,
      createdBy: useremail,
      createdAt: eventKey.createdAt,
      status: CONST.status.UNPUBLISHED,
      statusDirectorId: exports.DAOEMS.Helper.generateStatusDirectorIdKey(useremail),
      timeslots,
      type: event.type == "Private" ? "private" : "public",
      event
    },
  }).promise();
```

Registration Link Updates



In-Progress Events

REFRESH

Date	Na	shed	
November 27th, 2021	te		ACTIONS

Here is Your Event Link

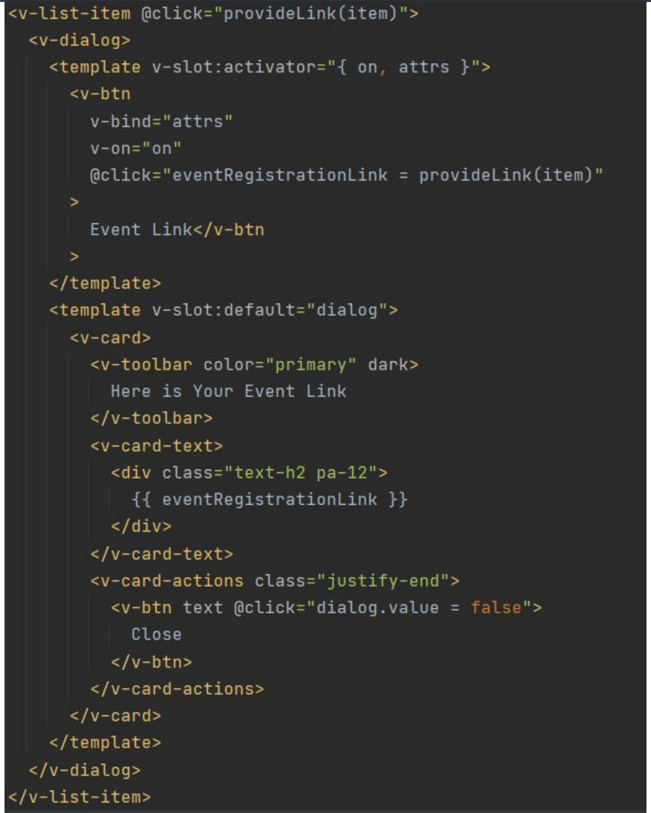
[object Promise]

CLOSE

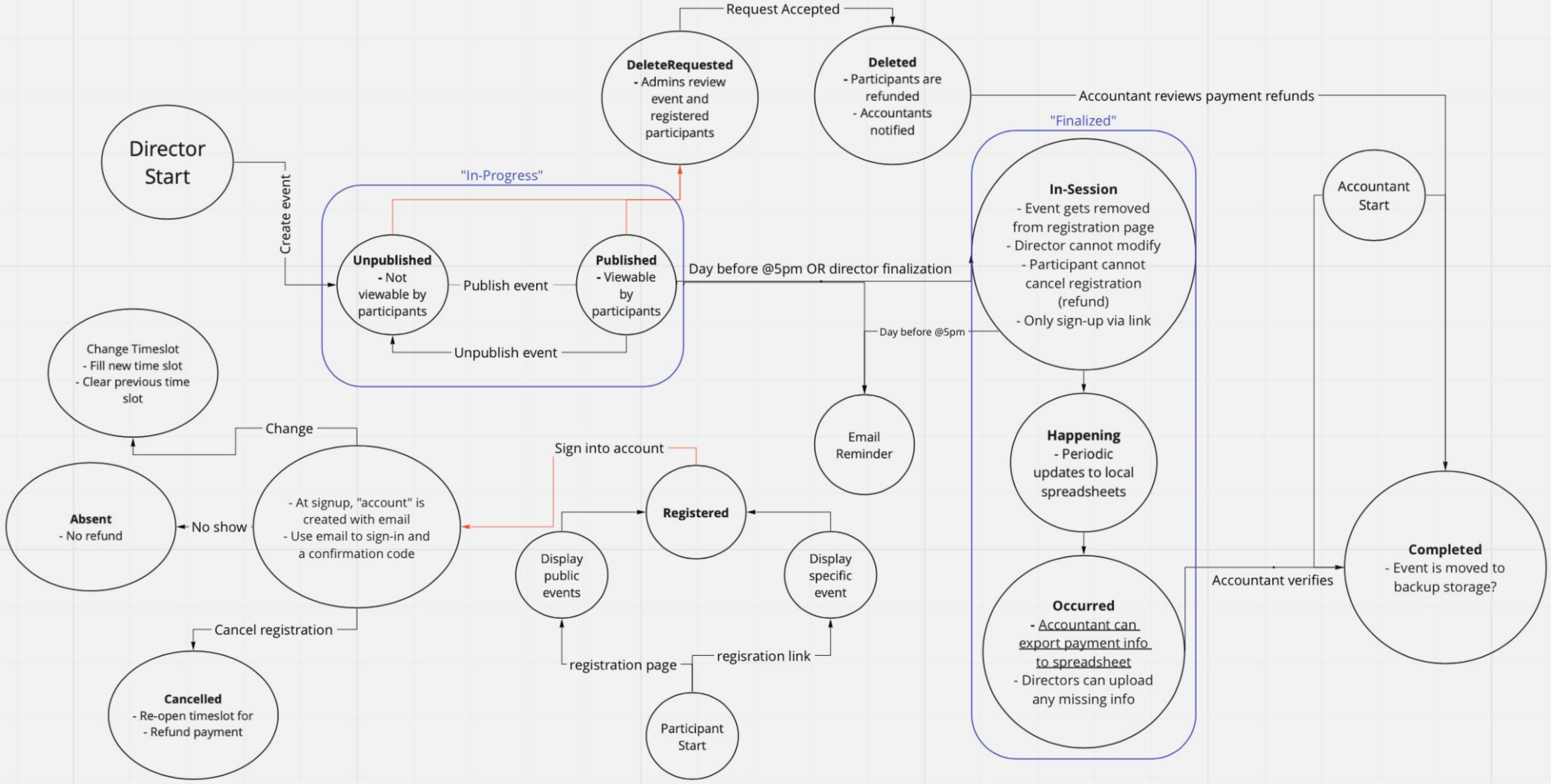
Completed Events

Name	Date	Time	Registered
No data available			

Registration Link Updates



```
<v-list-item @click="provideLink(item)">
  <v-dialog>
    <template v-slot:activator="{ on, attrs }">
      <v-btn
        v-bind="attrs"
        v-on="on"
        @click="eventRegistrationLink = provideLink(item)"
      >
        Event Link</v-btn
      >
    </template>
    <template v-slot:default="dialog">
      <v-card>
        <v-toolbar color="primary" dark>
          Here is Your Event Link
        </v-toolbar>
        <v-card-text>
          <div class="text-h2 pa-12">
            {{ eventRegistrationLink }}
          </div>
        </v-card-text>
        <v-card-actions class="justify-end">
          <v-btn text @click="dialog.value = false">
            Close
          </v-btn>
        </v-card-actions>
      </v-card>
    </template>
  </v-dialog>
</v-list-item>
```

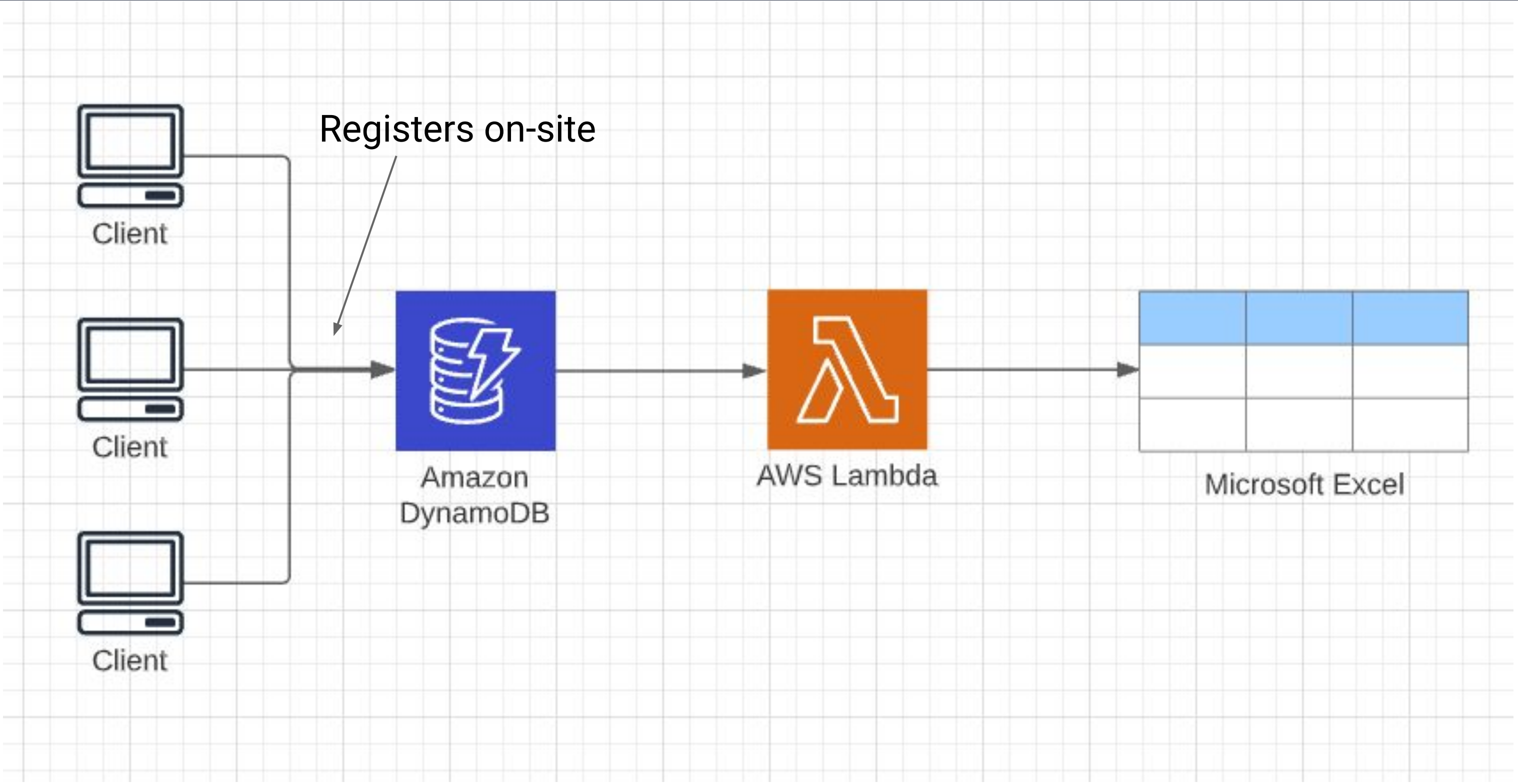

Request Accepted
DeleteRequested
- Admins review event and registered participants
Deleted
- Participants are refunded
- Accountants notified
Accountant reviews payment refunds
Director Start
Create event
"In-Progress"
Unpublished
- Not viewable by participants
Publish event
Published
- Viewable by participants
Unpublish event
Day before @5pm OR director finalization
Day before @5pm
"Finalized"
In-Session
- Event gets removed from registration page
- Director cannot modify
- Participant cannot cancel registration (refund)
- Only sign-up via link
Accountant Start
Email Reminder
Happening
- Periodic updates to local spreadsheets
Occurred
- Accountant can export payment info to spreadsheet
- Directors can upload any missing info
Accountant verifies
Completed
- Event is moved to backup storage?
Change Timeslot
- Fill new time slot
- Clear previous time slot
Change
Sign into account
Registered
Absent
- No refund
No show
- At signup, "account" is created with email
- Use email to sign-in and a confirmation code
Display public events
Display specific event
Cancel registration
Cancelled
- Re-open timeslot for
- Refund payment
registration page
regisration link
Participant Start

Updated State Diagram

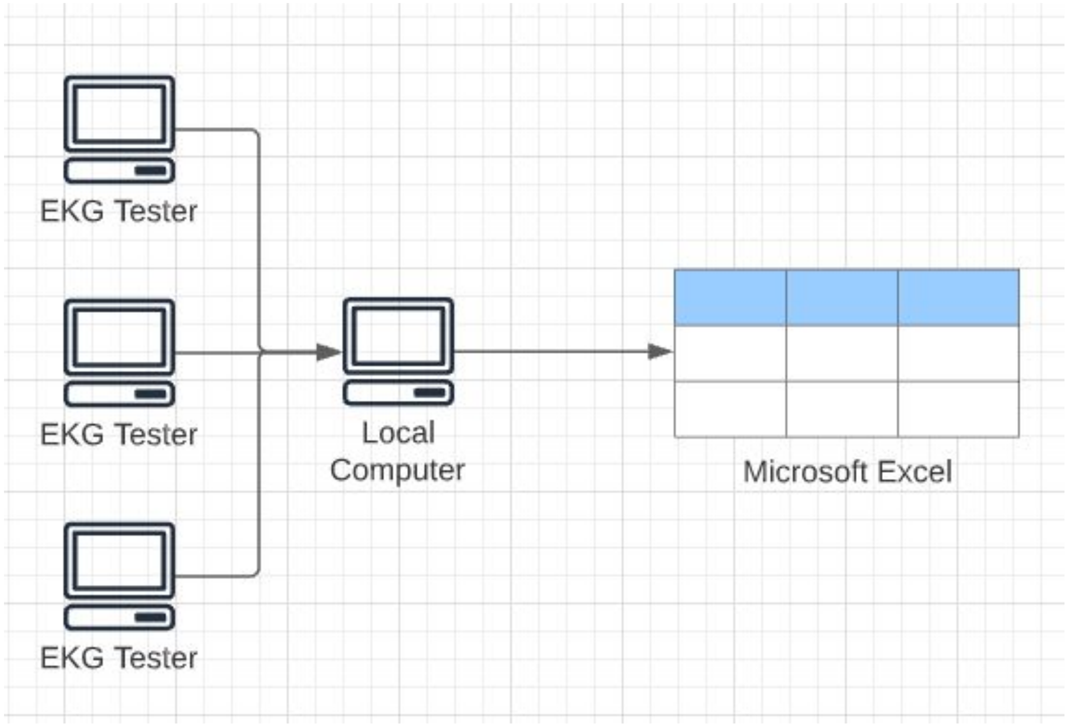
On-Site Testing Event

- Limited by the Cardea software (EKG)
  - .csv vs .xlsx
- On-site registration right now
  - Information / Questions
- Talking to volunteers/director

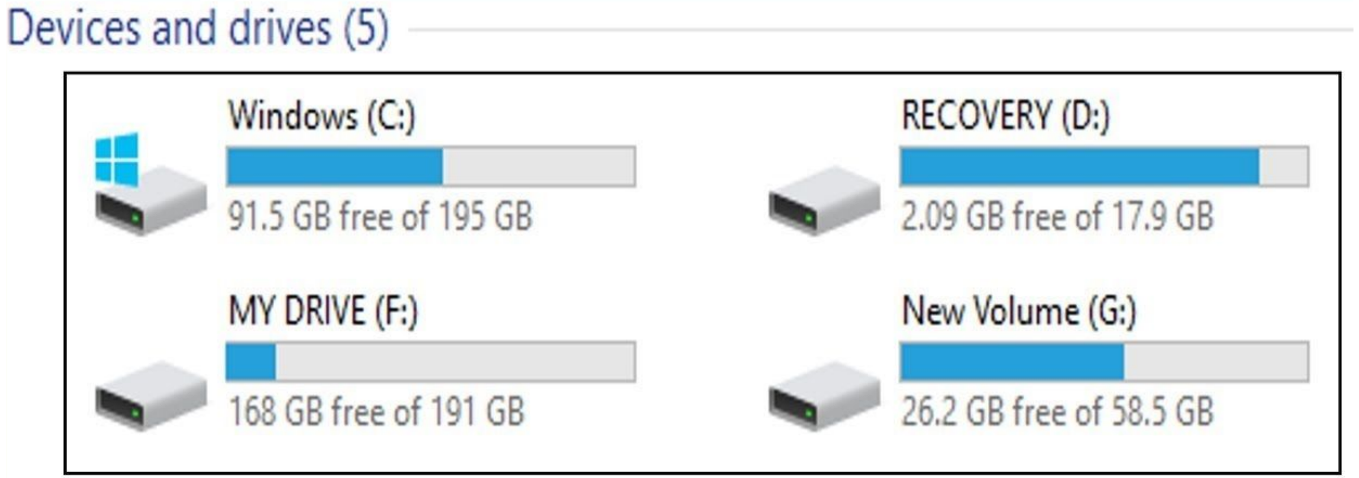
Live Spreadsheet Updates



Local Access Network



Disk Partitioning



Devices and drives (5)

Windows (C:)
91.5 GB free of 195 GB

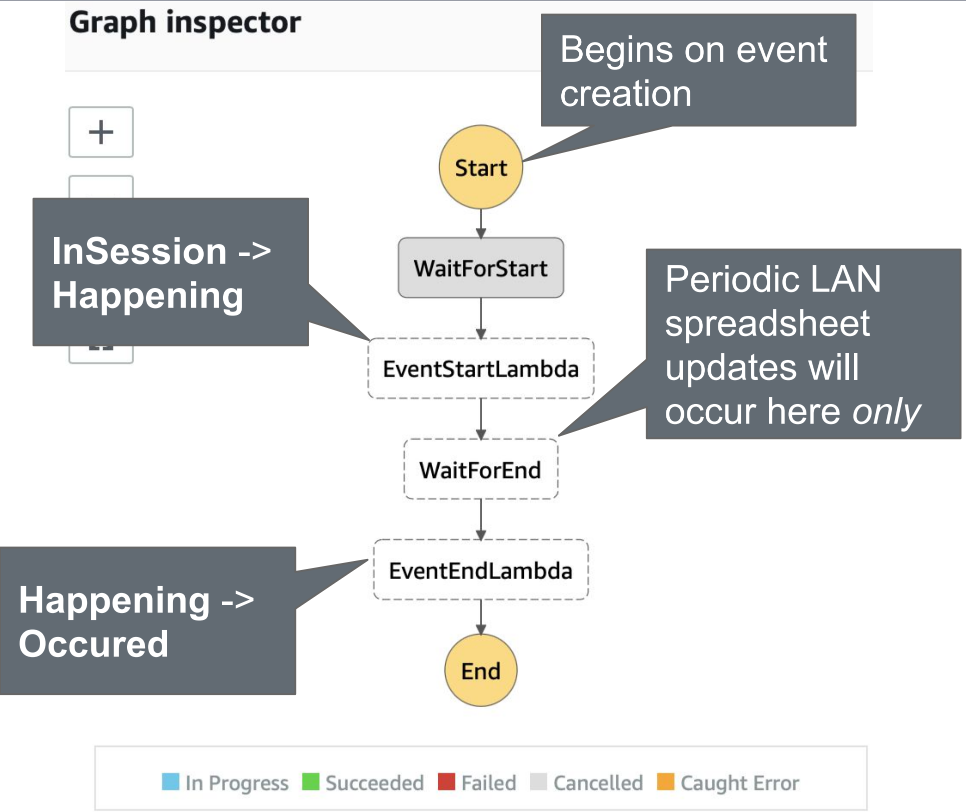
RECOVERY (D:)
2.09 GB free of 17.9 GB

MY DRIVE (F:)
168 GB free of 191 GB

New Volume (G:)
26.2 GB free of 58.5 GB

Allow for sharing with other local computers

Automatic Event State Transitions



```
exports.handler = async (event) => {
    LOG(event);
    let status = event.status;
    let eventId = event.eventId;
    let useremail = event.useremail;

    if (status === "happening") {
      return await DAOEMS.start(eventId, useremail);
    }
    else if (status === "occured") {
      return await DAOEMS.occur(eventId, useremail);
    }
    // Unsupported status
    return Return.exception(DAOEMS_CONST.exception.U
};
```

Lambda function triggered on event start and end. Calls the corresponding database updates

Milestone 4 Tasks
(in order of priority)

Finish Implementation, test, and demo:

1. LAN machine for onsite registration and periodic spreadsheet updates
2. New event states and UI updates

Begin implementation:

3. Accountant functionality for searching and exporting payments

Questions?