Brandeis Schedule

Team 4: Susan Li, Jane Wang

Problem Space

- Existing room reservation procedure involving extensive human coordination across multiple departments to reserve rooms, get approval, and invite participants
- Students have to check on different websites to collect all the event information

Current Product

- Participants
  - Track events information
  - Add interested event to schedule
  - Filter out events by location, date, organizers, or search with event name

Current Product

- Organizers
  - Filter out and reserve available room
  - Post events and inform the related users
  - Edit or cancel posted events

Schedule New Event

Name

Description

Room
Shapiro Campus Center: Atrium, 1st Floor

Date 12/10/2021

Start time 04:00 AM

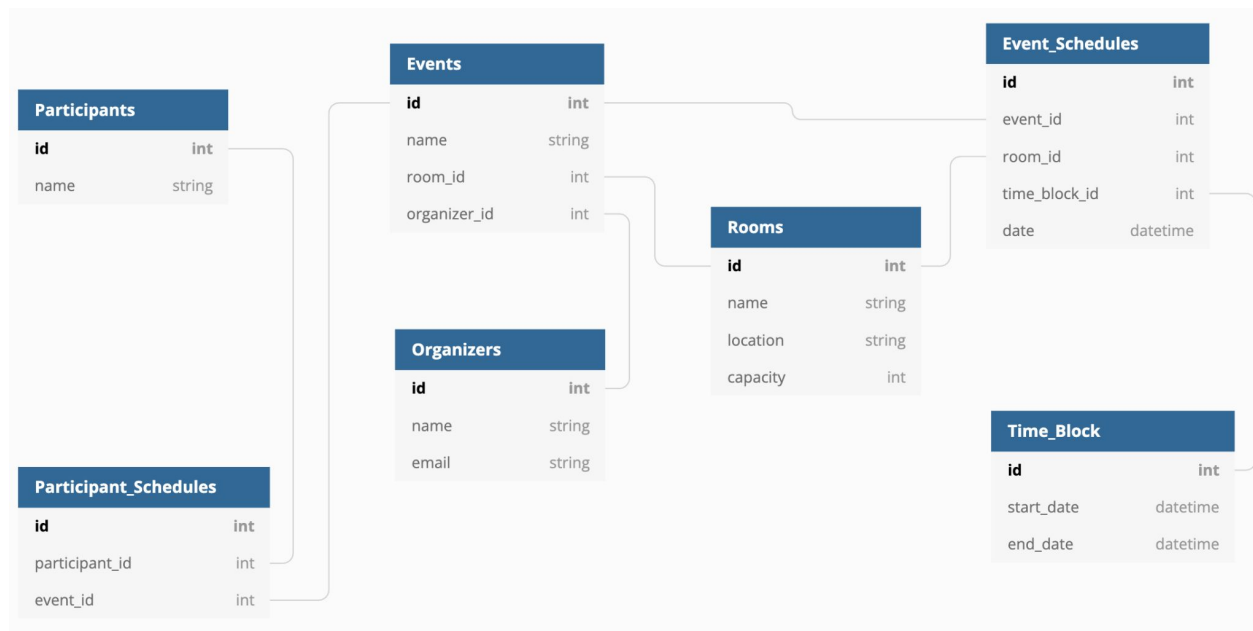End time 04:00 AM

Create Event

Back

Technical Challenge

- Data seeding
- Complex data scheme
- Algorithm with room availability

Technical Architecture

Our Approach

- Work Division
  - Susan: Back-End
  - Jane: Front-End
- Agile: Always have running code
- Testing
  - Provided a sophisticated test on the custom Calendar Poro which provides most of the crucial functionality of our app

Future Development

- The room reservation system would be incorporated into the Branda (a app developed by Brandeis students that could track campus information)
  - We are tackling the real-world problem!!!
- Chat function
  - Participants could communicate with other users from same events
  - Participants could consult organizers about event information
- Algorithm that can advertise to users any potential clubs events, classes or special events they might be interested in based on their own schedule.

Takeaway

- Best teamwork: communication, accountability, encouragement to each other❤️
- Experience of building a software from scratch