

# OneOnOne Design Document

## Models

### Calendar

- Attributes
  - name (String, max length of 50 chars)
  - start\_date (Date)
  - end\_date (Date)
  - owner (User, cascade on delete)
- Methods
  - \_\_str\_\_(self)
    - String representation of calendar

### Timeslot

- Attributes
  - start\_time (DateTime)
  - end\_time (DateTime)
  - calendar (Calendar model)
  - high\_priority (boolean, default=False)
- Methods
  - \_\_str\_\_(self)
    - String representation of timeslot

### Event

- Attributes
  - timeslot (Timeslot model)
  - contact (Contact model)
  - confirmed (boolean, default=False)
- Methods
  - \_\_str\_\_(self)

### User

- Attributes
  - first\_name (CharField, max length is 120 characters)
  - last\_name (CharField, max length is 120 characters)
  - email (EmailField, must be unique, max length is 120 characters)
  - From the default User model
    - password
- Methods
  - \_\_str\_\_(self)
    - String representation of User

### Invitee

- Attributes
  - Calendar (many to one)
  - Contact (one to one)
- Methods

- `__str__(self)`
  - String representation of Invitee

## Contact

- Attributes
  - `first_name` (CharField, max length is 120 characters)
  - `last_name` (CharField, max length is 120 characters)
  - `email` (EmailField, must be unique, max length is 120 characters)
  - `user` (User model, cascade on delete)
  - `image` (ImageField, optional)
- Methods
  - `__str__(self)`
    - String representation of Contact

## **APIs**

### **User Management - Emily**

- **Create User Account**
  - Endpoint: **/api/accounts/signup/**
  - Method: GET, POST
  - Fields/Payload: first\_name, last\_name, username, email, password, repeat\_password
  - Description: Allows for the creation of user accounts with basic information.
- **User Login/Authentication**
  - Endpoint: **/api/accounts/signin/**
  - Method: GET, POST
  - Fields/Payload: email, password
  - Description: Authenticates users and provides a token.
- **Update User Profile**
  - Endpoint: **/api/accounts/profile/**
  - Method: GET, PUT
  - Fields/Payload: first\_name, last\_name, username, email
  - Description: Updates a user's profile information

### **Contacts Management - Sadeed**

- **Create/Manage Contacts**
  - Endpoint: **/api/contacts/**
  - Method: GET, POST
  - Fields/Payload: first\_name, last\_name, email, user
  - Description: Allows users to retrieve their contacts list and add new contacts.
- **Delete Contact**
  - Endpoint: **/api/contacts/<contact\_id>/**
  - Method: DELETE
  - Description: Allows users to delete specific contacts.

### **Calendar and Time Slot Management - Junaid**

- **Create/Get Calendars**
  - Endpoint: **/api/calendars/**
  - Method: POST, GET
  - Fields/Payload: name, start\_date, end\_date, owner
  - Description: Enables users to create a new calendar, or list existing calendars.
- **Get Calendar/Add Timeslot**
  - Endpoint: **/api/calendars/<calendar\_id>/**
  - Method: GET, POST, DELETE
  - Fields/Payload:
    - GET: name, start\_date, end\_date, owner
    - POST: start\_time, end\_time
  - Description: Allows adding new timeslots to a calendar or retrieve the calendar/timeslots associated with the calendar
- **Invite Invitee to Calendar**

- Endpoint: **/api/calendars/<calendar\_id>/contacts/<contact\_id>**
- Method: POST
- Fields/Payload:
  - id, calendar\_id, contact\_id
- Description: Create an invitee and associate it with a contact and calendar
- **Timeslot Update/Destroy**
  - Endpoint: **/api/calendars/<calendar\_id>/timeslots/<timeslot\_id>/**
  - Method: DELETE, PUT
    - PUT: start\_time, end\_time
  - Description: Allows deleting a specific timeslot from a calendar or updating existing ones, including specifying availability and preference levels.
- **View Suggested Schedules**
  - Endpoint: **/api/calendars/<calendar\_id>/proposals/**
  - Method: GET
  - Description: Allows users to see suggested schedules.

## Event Scheduling and Invitations - Alex

- **View Events in Timeslot**
  - Endpoint: **/api/timeslots/<timeslot\_id>/events/**
  - Method: GET
  - Description: View events in the timeslot.
- **Schedule Event**
  - Endpoint: **/api/events/**
  - Method: POST
  - Description: Create a new event based on Contact's input
- **Get Event Status, Finalize event**
  - Endpoint: **/api/events/<event\_id>**
  - Method: GET, PUT
  - Description: Get invitation status for an event. Finalizes a meeting schedule and notifies all participants. Send email to the finalized event's contact, and undo confirm on every other events associated with the same time slot.