

Design doc: Slot Booking Application

This is for DevClub recruitment 2022'-23'

Requirements

version 1

1. Implement upto email notifications (Booked, cancelled, and updated slots)

version 2

1. streamline slot making process
2. implement email verification of email ids

Pages

1. User

- a. Login page
- b. Dashboard - featured, trending, my bookings summary
- c. List of sports page ("Book a Slot")
- d. Sport Page - book a slot happens here
- e. My Bookings Page (current and past) - starring system here
- f. Profile

2. Staff

- a. List of bookings - update / cancel option
- b. List of sports page
- c. Sport Page - no slot booking option
- d. Create New Facility
- e. Create New Sport

- f. Create New Slot
 - g. Update sport page
 - h. Update facility page
 - i. Update slot page
 - j. User List
- 3. Admin
 - a. TBD

Models v1

- 1. User
 - a. level: 100 - admin, 200 - staff, 300 - user
- 2. Sport
 - a. name
 - b. description
 - c. coordinator: string
 - d. POCEmail: URLField
- 3. Facility
 - a. sport: ForeignKey
 - b. type: "Court", "Arena"
 - c. location: "Mittal", "SAC", "Football ground", etc.
 - d. capacity
 - e. inventory: string
 - f. safety_regulations: string
- 5. Review
 - a. rating: Integer (<6)
 - b. review: CharField

- c. slot: ForeignKey
 - d. created_at: DTF
 - e. created_by: DTF
 - f. last_updated: DTF
6. Slot
- a. facility: ForeignKey
 - b. timeStart: integer
 - c. timeEnd: integer
 - d. duration: float
 - e. date
 - f. is_reviewed
 - g. is_booked

Endpoints

See `sport/urls.py` and `authetication/urls.py`