Objective

Implement a web application that allows users to book events from pre-defined slots in the calendar.

The application should have well developed UI delivered using Angular 2+ and angular material. Backend server should be developed with Python (Django, Fast or Flask)

UI should have following views/components:

* User preferences where user can select event category they are interested in (categories: “Cat 1”, “Cat 2”, ‘Cat 3)
* Calendar view (main) where time slots for event categories selected in user preference will be displayed. User should be able to select and sign up for those events. User should be able to unsubscribe from those events as well
* Admin view where admins can add timeslots for given event category

Requirements

Functional

* User can sign up for time slot
* Calendar view should be scoped to a week where user can change the week to browse.
* Calendar should have event category filter
* Admin can view all timeslots and see if any user signed up for it
* Time slot should accept only one user. If any user already signed up for time slot, the slot should still be visible in the calendar view, but will not allow user to sign up for it

Non-functional

* Demonstrate knowledge of best practices in relation to code quality and readability
* Clear documentation detailing how to build and run app in form of README file