

## Avaamo Assignment

### An application to Manage Events

- The application has two main entities, Users and Events
- A user can create an event and can add other users as a part of the event, each user can update their rsvp for the event, 'yes', 'no', 'maybe'
- A user can choose to attend an event, in such case, if there is another overlapping event for the same user, it should automatically update the rsvp as 'no'
- Basic validations can be assumed and implemented

#### Steps to approach the assignment,

##### Step 1:

Upload the data from following csv files,

1. Users:  
(<https://drive.google.com/open?id=1GfBEaQ8gik2IJMR9BTfrBe1ZCoICvmz>)
2. Events  
(<https://drive.google.com/open?id=1qwtGC6pxzs0kNQHq0Jy89ew74bkMLGEa>)
3. Write the script upload data in respective models
  - Design required database tables, their columns and associations (the application must have users and events tables. Any additional tables can be added)
  - Find out patterns from the csv to seed the data in the database for users and events
  - An event should be marked completed if the end date is before current datetime
  - End datetime should be ignored if event is an all day event
  - Each user's RSVP is marked in the events csv file, the rsvp should be marked by default the same, but a user having multiple events at the same time can not have rsvp as `yes` for more than one overlapping events. In such case consider the rsvp of last overlapping event to be `yes`

**NOTE: Please keep in mind that the input files are just samples of data. The seed script should be written keeping in mind tens of thousands of records.**

##### Step 2:

- Add a simple UI which shows events for given date range.
- Add a simple UI which shows availability of a particular user for given date range.

The slots can be 2 hour slots.

- NOTE: Start with backend methods to fetch the data. And then move to UI.

Backend is priority. UI can be optional.

NOTE: Assumptions (if required) can be made for ambiguous conditions and shall be mentioned in the readme.

Please update Readme with proper details.