Meeting scheduler

Design and code a python application for meeting scheduling.

Functionality that should be exposed -

- init_meeting_system(M, N)
  - Take 2 arguments -
    - M - Number of meeting rooms
    - N - Number of employees
  - prints "success" on success
- book(employee_id, start_time, end_time)
  - if success, prints the id of the room and id of the meeting itself
  - If given time is beyond 1 month, print 'Cannot book beyond 1 month from today'
  - If meeting duration is more than 3 hrs, print 'Cannot book a meeting of more than 3 hrs duration'
  - if this employee has already 2 meetings scheduled at the same time, print 'you have exceeded the max limit of bookings at a time'
  - if room not found, prints 'All rooms busy for the given time interval'
  - Handle any others errors if necessary
  - Assume a format for start times and end times (example iso 8601 format)
- cancel(employee_id, meeting_id)
  - if success, prints 'success'
  - if this employee id is not the organiser of this meeting id, print 'you are not the organizer of this meeting'

Constraints

- Can book at max 1 month in advance
- meeting duration can be a maximum of 3 hours.
- 1 employee can only be the organizer of 2 scheduled bookings at max at a time
- canceling meeting will free up the time interval

Note:

We are expecting an application which runs on the command line and takes input from the user and outputs to the console. Code is expected to use modular design with good abstractions. There is no need to use a web framework or database.

Feel free to make any assumptions if any of the above statements are not clear.