# Room Reservation System Design

* Facilities:
  + Buildings: **Default** is **one** building. There's option to add buildings. If there's only one building, it won't show in the app.
    - Operating hours
    - Holidays – All buildings off
  + Rooms: 3 cb options: **Default** – **Grand**, upright, other
    - Restrict hours
    - Access per specific user/role
* Users:
  + Instruments: Multiple cbs with default instruments + Option to add more
  + Programmes: Multiple cbs with default degrees + Option to add more
  + Expiration: Add a field of end of studies
  + Block: Temporarily block user
* Reservations:
  + Quantity: of reservation per user – Priority for certain instruments
  + Range: Customize the range of dates a user can see by it's role
  + Peak time: Restrict quantity by peak time
  + Cancel: An option to the admin to let the user cancel a reservation - Yes or no, and if yes so how long ahead it's possible to cancel?
    - Dismiss: If time of cancellation passed, give an option to dismiss the reservation without regaining the time
  + Multiple hours: Give an option for a user to reserve multiple hours
  + Reserve by time: The system gives the available rooms in the desired time (e.g. 17:00-19:00 => ["Room 1","Room 4"]
* General:
  + Notification: Users will see a notification (that they can close). It has an expiration date and time.