Goal: room reservation

***Necessary app implementations:***

-Login: email+password. User accounts: names, roles(employee, students, admin), able to change password.

-Bike renting: number of bikes and available bikes. Admin adds the bikes. May return bike to other place, as long as that place is in the system.

-Food ordering: menu, type of food, amount of food to order, able to order from any store.

-To reserve rooms via lists, timeslots, capacity.

-List of reservations: in a calendar way design.

-information of rooms: room code, name, opening hours/timeslots of 1 hour, capacity, pictures, cancellations.

-Database contains users, rooms, stuff.

-Java app, http(s) api, server-client (app/tool can be hosted locally)

-Filters to search for rooms/restaurants/bike shops

-Design ??? (how do we do graphical interfaces in java?)

(-nice addon to let admin change other peoples passwords)

?questions:

-do we need stayed logins?

-do the rooms need ‘facilities’(which board, what pc it uses, type of room, etc.)

-do we need time slots for bikes?

-when starting the app: do we have an empty database?

-do we need to filter on which food is available?

-do bikes need a location/name/code?

-do food stores need a location/name/code?

-do food products need photos/name/what it is made of?

primary assignments:

!!!-git assignments

-next week another meeting with CTA, so prepare by making agenda, document-> discuss with CTA.

Important:

* has to be a generic software (= any university can use)
* anyone can sign up (you don’t have to be a student)

1. Users:

* Login/Sign up
  + Email
  + Password
* Account
  + Name
  + Role
    - Student (can reserve small rooms)
    - Employee (student rights + can reserve larger rooms)
    - Admin (employee rights + can add/edit buildings, rooms, food menu, bike renting)
  + Your reservations
    - Displayed like a calendar
    - Cancel reservation (optional)

1. Rooms:

* Code
* Name
* Capacity
* Building
* Availability
* Pictures
* Reserving
  + Fixed time slot (let’s say 1 hour)
* Filtering on
  + Capacity
  + Availability
* Displayed as a list

1. Building:

* Code
* Name
* Location
* Opening hours
* Pictures

1. Renting bikes:

* Number of available bikes
  + Added by the admin

1. Food:

* Menu
  + List of food products
  + You can choose products from menu when ordering
* Can choose from any food store in the system
* Products and food stores added by admin