Use Cases: *Rooms*

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	Create room
Actors	administrator or program administrator
Scope	
Precondition	The system is up and running, the user who wants to create a new room is logged in.
Postcondition	
Postcondition on Success	The new room is created
Basic Course of Events	**1.** User navigates to the "create room" page. **2.** A form will be presented to the user in which the user can enter data about the room to create: name, number, building(from list of existent buildings), preferred timeslot, provided features(from list or new one) together with quantity via form field that only accepts positive integers **3.** The form will be submitted. **4.** The new room is created. A new empty form will be presented to enter data about the next room.
Alternative Paths	**1a.** Without needed rights, the user should be sent to the "public room list". **4a.** The new room is not created, due to malformed data (bad syntax, invalid values). In this case the same form with hints on what went wrong should be displayed again. **4b.** A database exception occurs. The user should be informed about it, the data should not be lost, i.e. the same form should be shown again (maybe in a way that it can easily be retried).
Open Questions	**Q:** how to select the preferred timeslot(list, ...)? **Q:** how are the quantities of features saved? It is possible that a feature is restricted to have only the values 0 and 1(then boolean checkboxed would be preferable for this kind of feature)?
Solved issues	-
Implementation Notes	-
Implementation Status	• not implemented

	Edit a room
Actors	administrator or program administrator
Scope	
Precondition	The system is up and running, the user who wants to edit a room is logged in.
Postcondition	The room will not be lost or deleted in case of an error while changing the data of the room.
Postcondition on Success	The room will have its data legally changed.
Basic Course of Events	**1.** The user selects a room for editing. From list or similar. **2.** The edit-room form is shown, with the current values of the room filled in. **3.** The user changes the values he wish to change. May add features from a list of existing ones or create a new feature. **4.** The entered data are checked before they are submitted. If the quantity of a feature was changed to zero it should be deleted from the room. **5.** If the informations are not outdated (e.g. a newer record has been saved in between), the new values are written to the database.
Alternative Paths	**1a.** The user does not has sufficient rights for editing. In lists the entry edit should be missing. **2a.** Show an error message, explaining the missing rights, if the user does not have the needed rights. **5a.** If the informations *are* outdated, they should not be written to the database. However, the information should not get lost. Thus is would be best to display the form whose values could not be updated again. **5b.** It would be even better to show the differences and assist in merging the two (Wikipedia does have such a feature for so-called "edit conflicts").
Open Questions	-
Solved issues	-
Implementation Notes	-
Implementation Status	• not implemented

	Delete a room
Actors	administrator or program administrator
Scope	
Precondition	The system is up and running, the user who wants to delete a room is logged in.
Postcondition	The room will not be deleted in parts and only if not referred to somewhere.
Postcondition on Success	The room will be deleted.
Basic Course of Events	**1.** The user selects a room to delete. From list or similar. **2.** A confirmation page is shown, asking if the room should be really deleted. **3.** The room will be deleted. **4.** The user will be shown where he came from. Probably a list view of rooms.
Alternative Paths	**1a.** The user does not has sufficient rights for deleting. In lists the entry delete should be missing. **2a.** A message page is shown, that the page is referred to somewhere and where.
Open Questions	-
Solved issues	-
Implementation Notes	-
Implementation Status	• not implemented

	List rooms
Actors	User with or without the right to change rooms
Scope	
Precondition	The system is up and running, the user with the right to change rooms is logged in.
Postcondition	no changes will be made to the database
Postcondition on Success	presentation of rooms
Basic Course of Events	**1.** User navigates to the "list rooms" page. **2.** User can specify his search for rooms by using different things. **3.** User will get a list of rooms fulfilling his search.
Alternative Paths	**3a.** User with rights to change rooms will get a list of rooms fulfilling his search with links to edit and delete
Open Questions	**Q:** What should be supported here? All features, name, department, number, ... **Q:** Should all the data of the searched rooms be shown in this table, would make a detail view unnecessary?
Solved issues	-
Implementation Notes	-
Implementation Status	• not implemented