AcademicTerm AcademicTerm				
referenced (one-to-many):	by academic_term in Program			
id	INTEGER	NOT NULL		
name	STRING	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
start	DATE	NOT NULL		
end	DATE	NOT NULL		
start_lessons	DATE	NOT NULL		
end_lessons	DATE	NOT NULL		
Constraint	PRIMARY KEY (id)			
Constraint	UNIQUE (name)	JNIQUE (name)		
Description	All Programs happen in a Period. A Period is has a start and end date. No start date of a Program may be set before the periods start Program and no end date of Program may be set after the Periods end date. One can say: A period is the program of the university, where the university consists of all departments.			

Attribute				
related as object:	Person via personHasAttribute, Role via roleImpliesAttribute			
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
id	INTEGER	NOT NULL		
name	STRING	NOT NULL		
type	STRING	NOT NULL	DEFAULT 'string'	
unique_value	BOOLEAN	NOT NULL	DEFAULT false	
Constraint	PRIMARY KEY (id)	PRIMARY KEY (id)		
Constraint	UNIQUE (name)			
Description	The Attribute represents user-created Attributes for Persons which can be used to construct constraints.			

Building			
referenced (one-to-many):			by building in Room
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
name	STRING		
address	STRING	NOT NULL	
Constraint	PRIMARY KEY (id)		
Constraint	JNIQUE (name)		
Constraint	JNIQUE (address)		
Description		A Building> has a unique street address and belongs to a Department. Some Buildings have a special name ("Henry-Ford-Building") which is unique across	

Configuration			
timekey	TIMESTAMP	NOT NULL	DEFAULT now
key	STRING	NOT NULL	
value	STRING		
Constraint PRIMARY KEY (key)			

Course			
related as subject:	CourseAttribute via courseHasCourseAttribute, Year via courseRecommendedForYear, Course via courseRequiresCourse		
related as object:	Course via courseRequiresCourse, Person via personGivesCourse, Person via personSuccessfullyPassedCourse		
referenced (one-to-many):	by part_of in CourseElement, by instance_of in CourseInstance		
id	INTEGER	NOT NULL	
name	STRING	NOT NULL	
timekey	TIMESTAMP NOT NULL DEFAULT now		
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (name)		
Description	A Course is a well-defined set of CourseElements. For example there may be a Course which consists of two CourseElements of which one is a mandatory lecture and the other one is an optional seminar.		

CourseAttribute				
related as object:		Course via	courseHasCourseAttribute	
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
id	INTEGER	NOT NULL		
name	STRING	NOT NULL		
type	STRING	NOT NULL	DEFAULT 'string'	
unique_value	BOOLEAN	NOT NULL	DEFAULT false	
required	BOOLEAN	NOT NULL	DEFAULT false	
Constraint	PRIMARY KEY (id)			
Constraint	JNIQUE (name)			
Description	•	CourseAttribute represents user-created Attributes for Courses which can be used to construct constraints.		

CourseElement			
related as subject:	Feature via elementRequiresFeature		
referenced (one-to-many):	by course_element in CourseElementInstance		
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
name	STRING		
part_of	FOREIGN KEY → Course	NOT NULL	
duration	INTEGER	NOT NULL	≥ 1
type	FOREIGN KEY → CourseElementType		
required	BOOLEAN	NOT NULL	DEFAULT true
Constraint	PRIMARY KEY (id)		
Description	A CourseElement is a type of event at a school or university, like a lecture or a seminar. A CourseElement has a duration and it may take place several times in a week (of which each occurrence has a certain duration). A CourseElement may have some dependencies regarding the Features the Room it is held in has. A CourseElement is part of a Course. It is of a certain type (e.g. lecture, seminar, discussion, meeting,).		

CourseElementInstance			
related as subject:	Room via elementInstancePrefersRoom, Timeslot via elementInstancePrefersTimeslot, Feature via elementInstanceRequiresFeature, Room via elementInstanceTakesPlaceInRoom		

related as object:	Person	n via personTa	akesPartInElementInstance
referenced (one-to-many):	by e	element_instar	nce in ProposedScheduling
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
course_instance	FOREIGN KEY → CourseInstance	NOT NULL	
course_element	FOREIGN KEY → CourseElement	NOT NULL	
starting_timeslot	FOREIGN KEY → Timeslot		
duration	INTEGER	NOT NULL	≥ 1
schedulable_lesson	BOOLEAN	NOT NULL	DEFAULT true
Constraint	PRIMARY KEY (id)		
Description	A CourseElementInstance is created within a Program belonging to a CourseInstance. It is a CourseElement actually taking place.		

CourseElementType					
referenced (one-to-many):			by type in CourseElement		
id	INTEGER	NOT NULL			
name	STRING	NOT NULL			
timekey	TIMESTAMP	NOT NULL	DEFAULT now		
Constraint	PRIMARY KEY (id)				
Constraint	UNIQUE (name)				
Description	A CourseElementType de	scribes a type of event, lik	A CourseElementType describes a type of event, like a lecture or a seminar.		

CourseInstance				
related as object:	P	Person via personEnrolledInCourseInstance		
referenced (one-to-many):	by c	course_instance	in CourseElementInstance	
id	INTEGER	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
program	FOREIGN KEY → Program	NOT NULL		
instance_of	FOREIGN KEY → Course	NOT NULL		
start	DATE	NOT NULL		
end	DATE	NOT NULL		
main_lecturer	FOREIGN KEY → Person	NOT NULL		
Constraint	PRIMARY KEY (id)			
Description	A CourseInstance is created within a Program. It is a Course actually taking place. There can be several CourseInstances of the same Course within a program. There is a main lecturer being primary responsible for any CourseInstance.			

Day			
referenced (one-to-many):			by day in Timeslot
id	INTEGER	NOT NULL	
name	STRING	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (name)		
Description	A Day holds a set of Timesl	ots.	

Department

referenced (one-to-many):	by superordinate_department i	n Department,	by department in Program
id	INTEGER	NOT NULL	
name	STRING	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
superordinate_department	FOREIGN KEY → Department		
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (name)		
Description	A logical group of several entities. Persons, Buildings and Courses belong to a Department. Buildings may belong to several Departments.		

Feature				
	related as object:	CourseElementInstance via elementInstanceRequiresFeature, CourseElement via elementRequiresFeature, Room via roomProvidesFeature		
id		INTEGER	NOT NULL	
name		STRING	NOT NULL	
timekey		TIMESTAMP	NOT NULL	DEFAULT now
Constraint		PRIMARY KEY (id)		
Constraint		UNIQUE (name)		
Description		Rooms do have certain Fea is identified by a name ("sea is suitable to hold a lecture seats, a lab has a certain an have 300 seats suitable for for doing an examination.	ats", "beamers",). For e or a seminar in it will hav mount of workplaces. Whi	xample any Room which e a certain amount of le an auditorium may

Group			
related as object:	Person via personBelongsToGroup		
id	INTEGER	NOT NULL	
name	STRING	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (name)		
Description	Persons may be organized into different Groups, e.g. Students may belong to certain Classes. Groups may be attached to a certain Year. A Group is identified by a name. For some universities it might be desirable to define certain kinds of groups sharing certain special properties.		

Person			
related as subject:	Group via personBelongsToGroup, CourseInstance via personEnrolledInCourseInstance, Course via personGivesCourse, Attribute via personHasAttribute, Privilege via personHasPrivilege, Role via personHasRole, Timeslot via personPrefersTimeslot, Course via personSuccessfullyPassedCourse, CourseElementInstance via personTakesPartInElementInstance		
referenced (one-to-many):	by main_lecturer in CourseInstance, by created_by in Person, by modified_by in Person, by deleted_by in Person, by program_manager in Program, by created_by in ProposedScheduling, by modified_by in ProposedScheduling, by editor in courseHasCourseAttribute		
id	INTEGER	NOT NULL	
ctime	TIMESTAMP	NOT NULL	DEFAULT now
mtime	TIMESTAMP	NOT NULL	DEFAULT now
created_by	FOREIGN KEY → Person		
•	•	-	•

modified_by	FOREIGN KEY → Person				
first_name	STRING	NOT NULL			
additional_names	STRING				
last_name	STRING	NOT NULL			
email_address	STRING				
login_name	STRING	NOT NULL			
login_password	PASSWORD	NOT NULL			
is_superuser	BOOLEAN	NOT NULL	DEFAULT false		
deleted	TIMESTAMP				
deleted_by	FOREIGN KEY → Person				
working_hours	INTEGER				
student_id	STRING				
staff_id	STRING				
Constraint	PRIMARY KEY (id)	PRIMARY KEY (id)			
Constraint	UNIQUE (email_address)	UNIQUE (email_address)			
Constraint	UNIQUE (login_name)	UNIQUE (login_name)			
Constraint	UNIQUE (student_id)				
Constraint	UNIQUE (staff_id)				
Description	is having login credentials (e.g. password). Every Person has a different roles at a university an role (e.g. there are students do person needs to have a unique	A Person is a natural person who is able to login to myCourses. Therefore she is having login credentials (e.g. username and password or mail address and password). Every Person has a first name and a last name. There are many different roles at a university and there are persons who act in more than one role (e.g. there are students doing lectures, while not being professors). Every person needs to have a unique identifier regardless of the roles they belong to for administration reasons. Persons may belong to several Groups.			

	Privilege			
	related as object:	Person v	ria personHasPrivilege, Ro	ole via roleImpliesPrivilege
id		INTEGER	NOT NULL	
name		STRING	NOT NULL	
timekey		TIMESTAMP	NOT NULL	DEFAULT now
Constraint		PRIMARY KEY (id)		
Constraint		UNIQUE (name)		
Description		A privilege represents the permission to do specific tasks, such as logging in, changing data of courses or publishing the shedule.		

Program			
referenced (one-to-many):		by p	program in CourseInstance
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
academic_term	FOREIGN KEY → AcademicTerm	NOT NULL	
department	FOREIGN KEY → Department	NOT NULL	
freezed	BOOLEAN	NOT NULL	DEFAULT false
published	BOOLEAN	NOT NULL	DEFAULT false
program_manager	FOREIGN KEY → Person	NOT NULL	
Constraint	PRIMARY KEY (id)		
Description	A Program is a set of CourseInstances. It has a running period (start and end date). A program manager is responsible for a Program. A Program belongs to a Department and to one Department only.		

ProposedScheduling			
id	INTEGER	NOT NULL	
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
ctime	TIMESTAMP	NOT NULL	DEFAULT now
mtime	TIMESTAMP	NOT NULL	DEFAULT now
created_by	FOREIGN KEY → Person		
modified_by	FOREIGN KEY → Person		
element_instance	FOREIGN KEY → CourseElementInstance	NOT NULL	
timeslot	FOREIGN KEY → Timeslot	NOT NULL	
room	FOREIGN KEY → Room	NOT NULL	
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (element_instance, timeslot, roo	m)	

Role				
related as subject:	Attribute via r	oleImpliesAttribute, Privile	ege via roleImpliesPrivilege	
related as object:			Person via personHasRole	
id	INTEGER	NOT NULL		
name	STRING	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
Constraint	PRIMARY KEY (id)	PRIMARY KEY (id)		
Constraint	UNIQUE (name)			
Description	A role bundles a set of privileges i.e. permissions a user gains when having one or more roles. The right managment is not hierarchal, it is plain.			

Room			
related as subject:	Timeslot via roomPrefers	Timeslot, Feature	e via roomProvidesFeature
related as object:	CourseElementInstance via elementInstancePrefersRoom, CourseElementInstance via elementInstanceTakesPlaceInRoom		
referenced (one-to-many):		by roo	om in ProposedScheduling
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
name	STRING		
number	STRING	NOT NULL	
building	FOREIGN KEY → Building	NOT NULL	
Constraint	PRIMARY KEY (id)		
Constraint	UNIQUE (name, building)		
Description	A Room is a physical location where Room has an identifier which uniquel A Room is located inside a Building. unique in the Building. A Room has I quantity of any Feature (e.g. 300 sea Rooms do have a special name ("Au Room may be of a certain type (audiavailable.	y identifies it acr Every Room has Features and it nats, a beamer, 20 dimax") which is	ross the whole university. Is a number which is Inay have a certain In workstations). Some In unique in the building. A

Timeslot			
related as object:	CourseElementInstance via elementInstancePrefersTimeslot, Person via personPrefersTimeslot, Room via roomPrefersTimeslot		
referenced (one-to-many):	by starting_timeslot in CourseElementInstance, by timeslot in ProposedScheduling, by timeslot in elementInstanceTakesPlaceInRoom, by timeslot in personTakesPartInElementInstance		
id	INTEGER	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
day	FOREIGN KEY → Day	NOT NULL	
startingTime	TIME NOT NULL		
Constraint	PRIMARY KEY (id)		
Description	A Timeslot represents a duration in time in which a CourseElementInstance can take place.		

Year				
related as object:		Course via cou	rseRecommendedForYear	
id	INTEGER	NOT NULL		
name	STRING	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
Constraint	PRIMARY KEY (id)			
Constraint	UNIQUE (name)	UNIQUE (name)		
Title	year			
Description	Typically Students start studying sometime and end studying sometime later and their course of studies has a regular length. Of course Courses a Student has to enroll in in the same year must not overlap. That is what Year is for. Courses may be assigned to a certain Year (e.g. first year, second year), but they do not necessarily have to.			

courseHasCourseAttribute (Course → CourseAttribute)			
course	FOREIGN KEY → Course	NOT NULL	
attribute	FOREIGN KEY → CourseAttribute	NOT NULL	
time	TIMESTAMP	NOT NULL	DEFAULT now
editor	FOREIGN KEY → Person	NOT NULL	
value	STRING		
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (course, attribute, time)		
Description	This relation tells us that the given Course has the given Attribute.		

courseRecommendedForYear (Course → Year)			
course	FOREIGN KEY → Course	NOT NULL	
year	FOREIGN KEY → Year	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (course, year)		
This relation gives the Person(students) a hint in which Course they should enroll in order to maintain their studies in order.			

courseRequiresCourse (Course → Course)			
course	FOREIGN KEY → Course	NOT NULL	

dependency	FOREIGN KEY → Course	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
Constraint	PRIMARY KEY (course, depen	PRIMARY KEY (course, dependency)		
Description		This relation tells us that it is neccessary to take part in the first Course in order to take part in the second Course.		

elementinstancePrefersRoom (CourseElementinstance → Room)			
element_instance	FOREIGN KEY → CourseElementInstance	NOT NULL	
room	FOREIGN KEY → Room	NOT NULL	
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (element_instance, room)		
Description	This relation describes that the given CourseElementInstance is better to be placed in the given Room.		

elementInstancePrefersTimesIot (CourseElementInstance → TimesIot)			
room	FOREIGN KEY → CourseElementInstance	NOT NULL	
timeslot	FOREIGN KEY → Timeslot	NOT NULL	
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (room, timeslot)		
Description	This relation describes that the given CourseElementInstance is better to be placed in the given Timeslot.		

elementInstanceRequiresFeature (CourseElementInstance → Feature)			
element_instance	FOREIGN KEY → CourseElementInstance	NOT NULL	
feature	FOREIGN KEY → Feature	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
quantity_min	INTEGER		
quantity_better	INTEGER		
Constraint	PRIMARY KEY (element_instance, feature)		
Description	This relation tells us what kind of Feature is needed or whished by the Person which holds this particular CourseElementInstance.		

elementInstanceTakesPlaceInRoom (CourseElementInstance → Room)			
element_instance FOREIGN KEY → CourseElementInstance NOT NULL			
room	EODEIGN KEV - Doom	NOT	

100111	FUNEIGIN KET 7 NOUIII	NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
timeslot	FOREIGN KEY → Timeslot	NOT NULL	
Constraint	PRIMARY KEY (element_instance, room)		
Constraint	UNIQUE (room, timeslot)		
Description	This relation tells us that the mentioned CourseElementInstance is taking place in the given Room.		

elementRequiresFeature (CourseElement → Feature)			
course_element	FOREIGN KEY → CourseElement	NOT NULL	
feature	FOREIGN KEY → Feature	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
quantity_min	INTEGER		
quantity_better	INTEGER		
Constraint	PRIMARY KEY (course_element, feature)		
Description	This relation tells us what kind and amount of Feature is required in order to be held.		

personBelongsToGroup (<mark>Person → Group</mark>)			
user	FOREIGN KEY → Person	NOT NULL	
group	FOREIGN KEY → Group	NOT NULL	
ctime	TIMESTAMP	NOT NULL	DEFAULT now
mtime	TIMESTAMP	NOT NULL	DEFAULT now
created_by	FOREIGN KEY → Person		
modified_by	FOREIGN KEY → Person		
Constraint	PRIMARY KEY (user, group)		
Description	This relation tells us that the given Person is part of the mentioned Group.		

personEnrolledInCourseInstance (Person → CourseInstance)				
user	FOREIGN KEY → Person	NOT NULL		
course_instance	FOREIGN KEY → CourseInstance	NOT NULL		
ctime	TIMESTAMP	NOT NULL	DEFAULT now	
mtime	TIMESTAMP	NOT NULL	DEFAULT now	
created_by	FOREIGN KEY → Person			
modified_by	FOREIGN KEY → Person			
Constraint	PRIMARY KEY (user, course_instance	PRIMARY KEY (user, course_instance)		
Description	This relation gives us the Persons that CourseInstance.	This relation gives us the Persons that are enrolled to a specific CourseInstance.		

personGivesCourse (Person → Course)			
person	FOREIGN KEY → Person	NOT NULL	
course	FOREIGN KEY → Course	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100
Constraint	PRIMARY KEY (person, course	9)	

Description	This relation tells us which Persons are holding which Courses.
Bosonption	This relation tolle de which i crooms are helding which courses.

	personHasAttribute (Person → Attribute)		
user	FOREIGN KEY → Person	NOT NULL	
attribute	FOREIGN KEY → Attribute	NOT NULL	
time	TIMESTAMP	NOT NULL	DEFAULT now
editor	FOREIGN KEY → Person	NOT NULL	
value	STRING		
timekey	TIMESTAMP	NOT NULL	DEFAULT now
Constraint	PRIMARY KEY (user, attribute, time)		
Description	This relation tells us that the Person mentioned has the Attribute given.		

personHasPrivilege (<mark>Person → Privilege</mark>)			
user	FOREIGN KEY → Person	NOT NULL	
privilege	FOREIGN KEY → Privilege	NOT NULL	
ctime	TIMESTAMP	NOT NULL	DEFAULT now
mtime	TIMESTAMP	NOT NULL	DEFAULT now
created_by	FOREIGN KEY → Person		
modified_by	FOREIGN KEY → Person		
target	STRING		
because_of_role	BOOLEAN		
Constraint	PRIMARY KEY (user, privilege, target)		
Description	This relation tells us that the given Person has the given Privilege.		

personHasRole (Person → Role)			
user	FOREIGN KEY → Person	NOT NULL	
role	FOREIGN KEY → Role	NOT NULL	
ctime	TIMESTAMP	NOT NULL	DEFAULT now
mtime	TIMESTAMP	NOT NULL	DEFAULT now
created_by	FOREIGN KEY → Person		
modified_by	FOREIGN KEY → Person		
Constraint	PRIMARY KEY (user, role)		
Description	This relation tells us that the given F	erson has the gi	ven Role.

personPrefersTimeslot (Person → Timeslot)				
user	FOREIGN KEY → Person	NOT NULL		
timeslot	FOREIGN KEY → Timeslot	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100	
Constraint	PRIMARY KEY (user, timeslot)	PRIMARY KEY (user, timeslot)		
Description	This relation describes that the gother timeslots.	given person wants	this Timeslot more than	

personSuccessfullyPassedCourse (Person → Course)			
user	FOREIGN KEY → Person	NOT NULL	
course	FOREIGN KEY → Course	NOT NULL	

ctime	TIMESTAMP	NOT NULL	DEFAULT now	
mtime	TIMESTAMP	NOT NULL	DEFAULT now	
created_by	FOREIGN KEY → Person			
modified_by	FOREIGN KEY → Person			
grade	STRING			
notes	TEXT			
Constraint	PRIMARY KEY (user, course)	PRIMARY KEY (user, course)		
Description	This relation tells us that a Pers	This relation tells us that a Person has passed a specific Course.		

personTakesPartInElementInstance (Person → CourseElementInstance)				
user	FOREIGN KEY → Person	NOT NULL		
element_instance	FOREIGN KEY → CourseElementInstance	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
timeslot	FOREIGN KEY → Timeslot	NOT NULL		
Constraint	PRIMARY KEY (user, element_instance)			
Constraint	UNIQUE (user, timeslot)			
Description	This relation tells us that the given Person takes part in the mentioned CourseElementInstance.			

roleImpliesAttribute (Role → Attribute)			
role	FOREIGN KEY → Role	NOT NULL	
attribute	FOREIGN KEY → Attribute	NOT NULL	
timekey	TIMESTAMP	NOT NULL	DEFAULT now
default	STRING		
required	BOOLEAN	NOT NULL	DEFAULT false
Constraint	PRIMARY KEY (role, attribute)		
Description	This relation keeps track of user-defined Attributes that are implied by a role.		

roleImpliesPrivilege (<mark>Role → Privilege</mark>)				
role	FOREIGN KEY → Role	NOT NULL		
privilege	FOREIGN KEY → Privilege	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
target	STRING			
Constraint	PRIMARY KEY (role, privilege, target)			
Description	This relation tells us what Privileges	are implied by a	given Role.	

roomPrefersTimeslot (Room → Timeslot)				
room	FOREIGN KEY → Room	NOT NULL		
timeslot	FOREIGN KEY → Timeslot	NOT NULL		
priority	INTEGER	NOT NULL	0 ≤ priority ≤ 100	
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
Constraint	PRIMARY KEY (room, timeslot)			
Description	This relation describes that the given Room should be booked at the given Timeslot.			

roomProvidesFeature (Room → Feature)				
room	FOREIGN KEY → Room	NOT NULL		
feature	FOREIGN KEY → Feature	NOT NULL		
timekey	TIMESTAMP	NOT NULL	DEFAULT now	
quantity	INTEGER	NOT NULL	≥ 0	
Constraint	PRIMARY KEY (room, feature)			
Description	This relation tells us which Feature is provided by this room.			