Custom Query (234 matches)

Milestone: Iteration1 (8 matches)

Ticket	Summary	Status	Owner	Type	Priority ▲	Milestone	Component
#1	Implement and design user management	closed		task	major	Iteration1	prototype

Reported by **konrad**, 6 months ago.

Description	Design the pages for the web interface for the user right management based on the login system. The task is to implement it according to the ju-roles-prototype/populate.sql statements. Furthermore the functionality has to be implemented which includes the connection to the database, running the sql statements and evaluate them in the designed web interface.						

| #2 | Implement and design web interface for scheduling | closed | | task | major | Iteration1 | prototype |

Reported by **konrad**, 6 months ago.

| Description | Design the pages for the web interface for the scheduling based on the login system. Furthermore the functionality has to be implemented which includes the connection to the database, running the scheduling and get the data from the database in order to display it in the designed web interfa... |

| #3 | Implement DAOs for scheduler | closed | konrad | task | major | Iteration1 | prototype |

Reported by **konrad**, 6 months ago.

| Description | Implement the object-relational mapping between scheduler and database. The database has to be fillied with the scheduler informations, for instance ressources by the Scheduler. |

| #6 | Transfer konrad..XMLBuilder to ju-scheduler..XMLLoader | closed | andrez | enhancement | major | Iteration1 | prototype |

Reported by **scravy**, 6 months ago.

| Description | The ju-scheduler needs a method to load custom data. Therefor the XMLBuilder should be transferred to ju-scheduler (a base-classs XMLLoader exists). Additionally a command-line-switch in scheduler.Client should be implemented, allowing to specify a custom da... |

| #8 | improve scheduler heuristics (ju-scheduler) | closed | scravy | enhancement | major | Iteration1 | prototype |

Reported by **scravy**, 6 months ago.

| Description | In ju2 attempts have been made to improve the heuristics used by setupFunction and mutateOperation, in particular the changes are:
• Instead of randomly exchanging timespace-slots the mutateOperation shifts the worst genes either in the next room or the next timeslot (determined via Random.nextBoolean). This takes partly away t...
• The setupFunction initially distributes the courses more consecutive.
One remarkable property of these changes is that courses happen to happen later in the day / schedule.
Further ideas are to implement crossOver (I guess this will need a redesign of what is to be considered a gene) and to add more intelligence to mutate and setup.
Benchmarks for 1000 schedulings with seed 14373171 show an average of 572 for ju2 and 1653 for ju1. I guess this can very much be optimized.
such Benchmarks can be done via: java -classpath bin scheduler.Benchmark -f ju1 -s 14373171 -m 1000 java -classpath bin scheduler.Benchmark -f ju2 -s 14373171 -m 1000 |

| #5 | Implement studentsGroups in branch ju-scheduler | closed | dbialik | defect | minor | Iteration1 | prototype |

Reported by **scravy**, 6 months ago.

| Description | To fully implement the functionality of what we tried to implement as a prototype the ju-scheduler lacks support for StudentsGroups?. |

| #7 | Parallelize ju-scheduler | closed | hagen | enhancement | minor | Iteration1 | prototype |

Reported by **scravy**, 6 months ago.

| Description | I guess the best point to tackle is the creation of individuums, cause the fitnessFunction is evaluated there, as well as to increase the size of the population per generation. The creation should be distributed o... |

| #12 | Status report 1 | closed | hagen | task | minor | Iteration1 | development process |

Reported by **hagen**, 6 months ago.

| Description | Write the status report |

Milestone: Iteration2 (17 matches)

Ticket	Summary	Status	Owner	Type	Priority ▲	Milestone	Componen
#9	Derive relational Model from general specification of Entities	closed	scravy	defect	blocker	Iteration2	developm

Reported by **scravy**, 6 months ago.

| Description | Depends on #4
From the start page:
• **Entities** a general specification in natural language of the entities we deal with (updated throughout *all* iterations)
• **ERModell** (for prototype implementation in iteration1) |

| #22 | Implement basic ORM functionality in web-component | closed | scravy | task | blocker | Iteration2 | weave |
| #23 | Check permissions using Annotations | closed | scravy | enhancement | critical | Iteration2 | weave |

Reported by **scravy**, 5 months ago.

| Description | This one is blocked by #22 |

| #24 | Implement XSL-based Templating mechanisms | closed | scravy | task | critical | Iteration2 | weave |
| #34 | Implement login/logout | closed | scravy | defect | critical | Iteration2 | weave |

Reported by **scravy**, 5 months ago.

| Description | This one is blocked by #22. |

| #45 | Evaluate the need for risk management | closed | hagen | task | critical | Iteration2 | developm |

Reported by **scravy**, 5 months ago.

| Description | Currently we do not have one. If we need risk management (which I personally think we do, at least it would be good training for all of us, especially our project lead) we should provide a risk management pl...
EDIT: A ticket for creating a risk management plan has been created (#46) and tagged for Iteration3. If we decide on not to have risk management that ticket should be closed and set to WONTFIX. |

| #15 | buildfile (ant or make) for the scheduler | closed | dbialik | defect | major | Iteration2 | scetris: s... |

Reported by **scravy**, 5 months ago.

We need one. Or make it compatible to the working Makefile which incorporates the AspectJ-Compiler.

Description   This would not be necessary if #16 and #17 were fixed.

This **is** a defect.

| #19 | Create package-info.java | closed | | defect | major | Iteration2 | scetris: d |

Reported by **scravy**, 5 months ago.

Description   ..and comment on the purpose of the Packages.

| #35 | Implement the Scheduler structure | closed | | task | major | Iteration2 | scetris: s |

Reported by **konrad**, 5 months ago.

Description   The structure has to be extensible.

#36	Implement a Crossover Strategy	closed		task	major	Iteration2	scetris: s
#37	Implement a Mutation strategy	closed		task	major	Iteration2	scetris: s
#38	Implement a HardFitnessCalculation strategy	closed		defect	major	Iteration2	scetris: s
#39	Implement an Algorithm strategy	closed		task	major	Iteration2	scetris: s

Reported by **konrad**, 5 months ago.

Description   An Algorithm strategy is defined by a method which calls the different parts of the Scheduler, for instance Schedule, Crossover, Mutation in order to calculate the optimum scheduling.

#47	Implement a Setup strategy	closed		task	major	Iteration2	scetris: s
#49	Implement a SoftFitnessCalculation strategy	closed		task	major	Iteration2	scetris: s
#13	Status report 2	closed	hagen	task	minor	Iteration2	developm

Reported by **hagen**, 6 months ago.

Description   Write status report 2

| #25 | Handle Exceptions nicely | closed | scravy | enhancement | minor | Iteration2 | weave |

Milestone: Iteration3 (48 matches)

Ticket	Summary
#59	Adjust Scheduler implementation to the shared model

Reported by **konrad**, 5 months ago.

Description   The Scheduler has used its own model of data. The ORM provides a model which will be used by the web application as well as the scheduler. This implies code changes inside the implementation as well to th

| #63 | pgSQL: may :: (Person, Privilege) -> boolean |

Reported by **scravy**, 5 months ago.

Description   Checkt ob eine Person ein Privileg direkt oder indirekt (also über Rollen) besitzt (wird wahrscheinlich einen oder mehrere JOIN-Operationen bedeuten) { Person, Privilege, personHasPrivilege, personHasRole, ro

Außerdem: may :: (Person, Privilege, string target) -> boolean

Analog zu may, checkt aber auch das target. Dabei gilt, dass wenn das target in der Datenbank NULL *(leerer string) ist, das target nicht weiter berücksichtig werden muss, denn der Benutzer hat das Privileg*

Also: Für Alle z: may (x, y) impliziert may (x, y, z); die Umkehrung gilt nicht.

| #69 | Implement missing Implementations of ORM-API |

Reported by **scravy**, 4 months ago.

Description   IMportant. Many functions were newly introduced or reintroduced. Implement them, as they exist in the API but return "null" or simply do nothing.

| #70 | Implement subjectOf, objectOf, subjectsOf, objectsOf |

Reported by **scravy**, 4 months ago.

Description   Only exist in API, not implemented yet.

| #71 | Implement whereObjectOf, whereSubjectOf |

Reported by **scravy**, 4 months ago.

Description   Exist only in API yet, need to be implemented ASAP.

| #72 | Integrate hasPrivilege |

Reported by **scravy**, 4 months ago.

Description   Currently the ORM-API features hasPrivilege in weave.User and thus scetris.data.Person, but they return false always. André has fixed #63 and the newly created function needs to be integrated in the Implem

| #73 | Implement ORM-Methods for Relationships |

Reported by **scravy**, 4 months ago.

Description   Notably these are: getSubject(), getObject(), create(), pushChanges() and delete() as well as the package private Constructor (<Manager>, java.sql.ResultSet?).

| #90 | Restore database connectivity |

Reported by **scravy**, 4 months ago.

Description   SOmewhere in between weave and scetris something does not work. Should be easy to fix, since unit testing says it works, probably just a configuration issue. FIx that!

| #100 | Herausfinden: Character Encoding zwischen JDBC und Postgres |

Reported by **scravy**, 4 months ago.

Unsere aktuelle Implementierung kann nicht mit Umlauten umgehen. Anscheinend liegt das Problem in PreparedStatement?.setString() oder getString(). Ich habe absolut keinen Plan was Sache ist, denn die D

Description   Ich möchte wissen, wie das ganze funktioniert. Die Lösung dieser Aufgabe beinhaltet eine Java-Demo die sich zu der Datenbank scetris verbindet (mit Login-Credentials wie per E-Mail spezifiziert) und einen D

Anhand des Code-Beispiels sollte ersichtlich sein, was gemacht wurde damit es funktioniert (ob getString oder gar getBinary mit anschließender getBytes()-Conversion or whatever) benutzt wurde. Eine build.x

| #17 | integrate scheduler and web |

Reported by **scravy**, 5 months ago.

Description   They are totally separated currently.

| #42 | Provide unit tests for ORM |

Reported by **scravy**, 5 months ago.

Description   Correctness and Fitness of the current ORM-Functionality can not be tested easily. Weave lacks Unit Tests like hell! This **is** a defect, and it **is** critical, and this **is** #42.

#44   Provide documentation on ORM

Reported by **scravy**, 5 months ago.

Description   ORM-magic needs to be documented, this is very important. If not a blocker (since it's not that easy to understand and to use) it is at least **critical** and it definitely is a **defect**.

#52   Parameterize GenericModule

Reported by **scravy**, 5 months ago.

Description   Module needs to get a Type-Parameters <M> for Manager (the RelationManager? being used), as to keep things between weave and scetris separated. Currently we need to cast the RelationManager? or do o

Another possible workaround would be to introduce a further class GenericModule? in scetris. However, this is not as nice (but easy).

#55   Evaluate different run types for the Scheduler

Reported by **konrad**, 5 months ago.

Description   Different run types means should the Scheduler run as a Daemon/Windows? Service or just in a simple JVM.

Java Thread already provides a method setDaemon(true). How does this work and what are the advantages? How should it be implemented?

#58   Implement inter-process communication

Reported by **konrad**, 5 months ago.

Description   Web application and Scheduler have to communicate. It would seem the thing to use simple Sockets.

#61   pgSQL: allow, disallow :: (Person, Privilege) -> void

Reported by **scravy**, 5 months ago.

Description   **allow:** Setzt für eine Person direkt ein Privileg, d.h. erstelle ein personHasPrivilege AUCH wenn die Person dieses Privileg bereits dank einer Rolle genießt.

disallow: Entzieht einer Person ein Privileg (nur wenn sie dieses direkt besitzt). Ein entziehen von Rollen-Privilegien ist nicht vorgesehen.

{ Person, Privilege, personHasPrivilege }

#62   pgSQL: roleAllow, roleDisallow :: (Role, Privilege) -> void

Reported by **scravy**, 5 months ago.

Description   Analog zu allow/disallow (#61) { Role, Privilege, roleImpliesPrivilege }

#64   pgSQL: assign, unassign :: (Person, Role) -> void

Reported by **scravy**, 5 months ago.

Description   **assign:** Ordnet eine Person einer Rolle zu. { Person, Role, personHasRole }

unassign: Umkehrop assign. { Person, Role, personHasRole }

#77   Implement de.fu.scetris.data.aspects.Enrollment

Reported by **scravy**, 4 months ago.

Description   This one is to integrate the procedure developed within ticket #60; using aspects.

#84   roleallow not working

Reported by **scravy**, 4 months ago.

Description   A real bug report: pg/pgSQL roleallow not working.

#88   Make sure visible functionality of last Iteration *is* working properly like last time

#91   Make builds configurable

Reported by **scravy**, 4 months ago.

Description   ..so what dependent on indivudal configuration the projects and it's setup is laid out.

#97   Documentation for refactored build.xml

Reported by **scravy**, 4 months ago.

Description   Create it.

#16   buildsystem using Apache ANT

Reported by **scravy**, 5 months ago.

Description   Would be cool, however, we already have one (at least for web). Thus: ENHANCEMENT.

#18   Explain annotations

#26   Tackle the lacking Documentation (annotated via NOTE)

Reported by **scravy**, 5 months ago.

Description   ...in Scheduler.

#28   Implement "isTarget" in @Arg

Reported by **scravy**, 5 months ago.

Description   isPermissionTarget should use the annotated Parameter automatically as target of the Permission to check for (target is the same name as in the relational model as of this writing).

#30   Add Commit-Functionality

Reported by **scravy**, 5 months ago.

Description   The @Commit-Annotation (trunk/src/de/fu/scetris/web/annotation/Commit.java allows for easy handling of form-inputs. It is intended as being annotated to a method in a Module (trunk/src/de/fu/scetris/web/

The idea behing it, is to separate things even further. From the point of view of an MVC-Pattern the Commit-Action is the Controller whereas Actions are Views. Furthermore is has the advantage that the user

#41   Implement Aspects

Reported by **scravy**, 5 months ago.

Description   I created some empty aspects. I avoided Aspects since I did not see that anyone made use of them (for debugging, logging or similar tasks). However, their are plenty occasions where I would have wished to

The beauty of the code, the understandability and the usability for developers could heavily be increased if I solved these issued using Aspects. Namely they are: Extending *all* Objects for XML-Serializability,

Auto-generated code is to be found in de.fu.scetris.data. Tagged for Iteration3.

#53   Complete <dc:title />s in Relations.xml

Reported by **scravy**, 5 months ago.

Description   As discussed today. Relations.xml features <dc:title>...-Elements for the Description of <attribute />-Elements. They support help messages in the form-building-mechanism.

#56   Implement database access for loading data

Reported by **konrad**, 5 months ago.

Description   This includes connecting to the database, using the ORM framework in order to map the data to the objects on which the Scheduling will work.

#57   Implement database access for storing data

Reported by **konrad**, 5 months ago.

Description   When a Scheduling has finished the provided Schedule has to be stored into the Database. Questions arise about how to deal with the relation 'TimeSlot?'

#65   Implement Export

Reported by **hagen**, 4 months ago.

Description   We need to have a function that can export data from our DBMS (postgres) to a XML representation of that data. Tasks:
- Write functions that map tables to XML http://www.postgresql.org/docs/8.4/static/functions-xml.html#FUNCTIONS-XML-MAPPING

#74   Explain what weave does

#76   Implement de.fu.scetris.data.aspects.Allowance

Reported by **scravy**, 4 months ago.

Description   This one is to integrate the pgSQL-procedures developed within #61, #62, and #64 with the ORM. The aspects provide a way to translate object-oriented method-calls to sql select procedure result.

#80   Create an installer

Reported by **scravy**, 4 months ago.

Description   yupp.

#81   Implement an Installer

#82   Implement a web-based Installer

Reported by **scravy**, 4 months ago.

Description   A web-based installer should do the same thing as the Installer (set up the database). However, it should contain the whole application bundled as a WAR (which ideally is created by Ant via build.xml). If you

#83   Make ant deploy WAR files

Reported by **scravy**, 4 months ago.

Description   Hint: http://javabeanz.wordpress.com/2009/02/12/how-to-create-a-war-file-using-ant/

#85   assignRole does not work properly

Reported by **andrez**, 4 months ago.

Description   assignRole weist scheinbar nicht direkt die Role zu, daher ein assertionfehler

-- Error Log from JUnit -- Class: de.fu.scetris.data.tests.IntegratedProceduresTest? Method: assignRole Actual: null Expected: null Stack Trace: java.lang.AssertionError?:

at org.junit.Assert.fail(Assert.java:91) at org.junit.Assert.assertTrue(Assert.java:43) at org.junit.Assert.assertTrue(Assert.java:54) at de.fu.scetris.data.tests.IntegratedProceduresTest?.assignRole(Integra

...

#87   Automatize installing of tomcat and installation of scetris into tomcat

Reported by **scravy**, 4 months ago.

Description   Automatize installation of tomcat and deploying of servlet for easier testing. This includes automatically building war-files, automatically setting up the build project, tomcat, automatical rebuilding with reloadi

#89   Enhance configuration of Servlet

#94   Fix NullPointerException on first Visit

Reported by **scravy**, 4 months ago.

Description   When no sessions exist at all, the first Visit will lead to a NullPointerException? in GenericController?. Fix that ASAP.

#98   Fix Character Encoding Problems between Java and Postgres

Reported by **scravy**, 4 months ago.

Description   Currently anything else but ASCII won't work. Suxx.

#101   Make build.xml compatible with Ant 1.7.0

Reported by **scravy**, 4 months ago.

Description   Ant 1.7.0 is the version included with current debian distros.

#29   Beautify error.xsl

Reported by **scravy**, 5 months ago.

Description   trunk/web/xsl/error.xsl currently relies on trunk/web/xsl/debug-lib.xsl , which is neither astonishingly beautiful nor informative.

#86   unittests for usermgmt

Reported by **andrez**, 4 months ago.

Description   need to write more unittests that cover all sorts of actions (with different targets, etc.)

#106   GET-Requests translate UTF-8 wrongly from QueryString

Reported by **scravy**, 4 months ago.

Description   don't know why, suppose it's tomcat or whatevers QueryString? parser. However, fix it somehow.

Milestone: Iteration4   (67 matches)

Ticket	Summary
#51	Create a test data generator

Reported by **konrad**, 5 months ago.

| Description | For a better testing of the scheduler and the web server, simple unit tests, at least as we write them for now, will not be enough. |

#60   pgSQL: enroll :: (Person, CourseInstance) -> void

Reported by **scravy**, 5 months ago.

Description	Schreibt eine Person in eine CourseInstance? ein, das heißt: Setzt personEnrolledInCourseInstance. Die Mindestanforderungen an die Funktion ist, dass die CourseInstance? gebucht ist. Darüber hinaus werden
	Req1: Die Funktion bucht automatisch CourseElementInstances? zu denen es keine Alternativen gibt. Dies ist genau dann der Fall, wenn die Summe der Eigenschaft duration aller CourseElementInstances? die
	Req2: Die Funktion prüft, ob die benötigten Kurse erfolgreich abgeschlossen wurden – also, ob alle Courses die von dem Course der zu buchenden CourseInstance? via courseRequiresCourse als Vorraussetzun
	Min: { Person, CourseInstance?, personEnrolledInCourseInstance } Req1: + { personTakesPartInElementInstance, CourseElement? } Req2: + { personSuccessfullyPassedCourse, courseRequiresCourse, Course

#121   Implement JOIN-equivalence in retrieving data

Reported by **scravy**, 3 months ago.

Description	Currently an entity is fetched from the database and entities which are referenced by this entity are not. It would be rather easy using JOINs to retrieve associated data from references entities as well. Howev
	As of my current thinking the problem is rather easy to fix. What developers want is: getEntiy() -> have an entity AND referenced entities so that entiy.getReferencedEntity().getName() will not issue a new q
	I could to this next weekend.

#123   Bug: Constraints are not checked when inserting CEI to the same TimeSpaceSlot

Reported by **scravy**, 3 months ago.

| Description | Konrad figured this out, something is wrong with the Relational Schema or the ORM Implementation. Need to investigate this. |

#164   Integrate Fourtris and Scetris

Reported by **scravy**, 3 months ago.

| Description | Julian has forked Scetris in Fourtris to not hinder development in Scetris and be able to experiment. We now have a Corporate Look and Feel which looks like the Corporate Design of our university in Fourtris. |

#181   Refactor the upload of schedule results

Reported by **konrad**, 3 months ago.

Description	Currently scheduled data in means of on what time (time slot) and where (room) a CEI takes place the data is entered into the Relationship elementInstanceTakesPlaceIn.
	As a matter of fact, this relation was designed to have data about the freezed Schedule, as it also checks constraints on the data inside.
	For the regular termination of the Scheduling Algorithm or a user stopped termination of the Scheduling Algorithm the current schedule data has to be uploaded into the relation ProposedSchedule? instead.

#78   Unit vs. Integration tests

Reported by **scravy**, 4 months ago.

Description	Things to think about:
	- What **are** unit, what are integration tests
	- What kind of tests do we want?
	- What kind of tests do we write currently?
	- How can we do integrative testing if we're not already doing it?

#99   Presentation for Iteration 3

#104   Benchmark

Reported by **konrad**, 4 months ago.

Description	Implement a basic benchmark. The benchmark should have two varying variables:
	- scale of data (provided by the test-data generator)
	- genetic parameters (they vary, too)

#109   Increase Code-Coverage to 50%

Reported by **scravy**, 4 months ago.

| Description | Currently (r945) there are 13622 lines of code of which 2420 are covered (according to Cobertura Code Coverage Report). This makes a total of 17%. |
| | **Goal: Increase that level to 50%.** |

#117   Create XML Export for a calculated Schedule

Reported by **konrad**, 4 months ago.

| Description | Create a XML Export for a Schedule which was scheduled through given resources in the database with the use of weave Annotations (@XmlAttribute?, @XmlCollection?,...) |
| | First, write a JUnit Test in order to check if the structure reflects the needed data. A test for the actual XML export is not needed. |

#156   Support the timekey-attribute (!)

Reported by **scravy**, 3 months ago.

| Description | The timekey-Attribute in most relations was initially introduced to cope with possible update anomalies which arise from the fact that it's a stateless webapplication. I.e. User A wishes to edit entity X, User B w |

#163   Login/Logout in Fourtris

Reported by **scravy**, 3 months ago.

| Description | Login/Logout would have been need to be refactored anyway (currently its an uggly solution, especially regarding the templates). Also: Adjust templates so that they respect wether you are logged in or not, a |
| | Or in other words: Integrate login/logout as it worked in scetris in Fourtris. |

#173   Unit-Tests for Servlets

Reported by **scravy**, 3 months ago.

| Description | It *is* possible to test the Servlets, jetty can be used to instantiate a servlet and test against it. |

#27   Make PDF-output available

Reported by **scravy**, 5 months ago.

| Description | Apache FOP may be used to accomplish this. |
| | Should be obtained via ?~type=pdf . |

#31   Create a Form-Building-Mechanism

Reported by **scravy**, 5 months ago.

| Description | 1) entities-full.xml -> (XSL) -> XSL Template 2) entities-full.xml -> (Java) -> Data -> (XSL Template) -> Desired output |

Parenthesis denote a place where a process takes place.

#32	Beautify global.xsl

Reported by **scravy**, 5 months ago.

Description	Currently it is just a work-around so that things are not butt-uggly. Create a nice header, footer; ... Buzz-Words: corporate-design, cross-browser-compatibility... I think this one is well suited for Andres scope of duties.

#54	Pimp ORM

Reported by **scravy**, 5 months ago.

Description	- Implement depth - Enable "bulk-loading" of slim objects - Cache already downloaded objects - Transaction support

#66	Implement Import

Reported by **hagen**, 4 months ago.

Description	We need to have a function to Import data from a XML representation into our DBMS (postgres) Tasks: - Develop a XML representation of our data that is suitable as an Import-Source. - create XSL-T that transforms the export-representation of data into the representation suitable as Import-Source. - implement import

#67	Test Import & Export

Reported by **hagen**, 4 months ago.

Description	Write tests to verify the correctness of Im- an Export. Important: - Import(Export(x)) and Export(Import(x)) are equal to the identity function! - no semantic loss, meaning that all information present in a representation is not lost by im-/export

#68	Implement servlet which invokes a Scheduling Command

Reported by **konrad**, 4 months ago.

Description	Implement a simple servlet which: - invokes the Scheduling - stops the Scheduling - returns a status

#75	Implement de.fu.scetris.data.aspects.Configuration

Reported by **scravy**, 4 months ago.

Description	The Configuration-Aspect hooks methods into RelationManager? for easier handling of the key/value-Pairs in the Configuration-Table (Relation Configuration, an Entity). The methods set/get values based on th

#96	Review ORM

Reported by **scravy**, 4 months ago.

Description	Peer-reviewing the ORM-code would be awesome.

#118	Implement web-module for the Scheduler

Reported by **konrad**, 4 months ago.

Description	Implement a web-module which starts and stops the Scheduler. If there is a calculated schedule design an output in html using list elements. A CSS transforming it into an actual timetable should be added afterwards.

#119	Implement isScheduleable

Reported by **konrad**, 4 months ago.

Description	Not every given ressources are scheduleable to a constraint-free state, this includes also the case of an empty database which is not covered yet. SchedulerController? handles the communication between web view and the actual scheduler. isScheduleable() has to check if there are as many resources as constraints demand them.

#122	Integrate StringConverters in Module

Reported by **scravy**, 3 months ago.

Description	Currently Modules use their own mechanism für @Arg-annotated parameters to cast them into the appropriate types. However, during the implementation of import() I created a nice StringConverter?-Framew

#125	Implment sort()-Filter

Reported by **scravy**, 3 months ago.

Description	Syntax suggested is: ...getEntity(..., sort("name")) ...getEntity(..., sort("last_name", Sort.DESC), sort("first_name")) I think I will be able to do this next weekend. I consider this a defect since it's some major functionality which is not available.

#128	Make translations available.

Reported by **scravy**, 3 months ago.

Description	The idea is the following: When loading an XSL-T we can simply replace lang-elements and have different translations available.

#130	Implement isNull and notNull filters

Reported by **scravy**, 3 months ago.

Description	Currently it can not be filteres against null-values. These will make it possible. They are equivalent to SQL "WHERE something IS NULL" and "WHERE something IS NOT NULL"

#134	Implement Output-Method JSON

Reported by **scravy**, 3 months ago.

Description	Important for AJAX-related Stuff. Required: A Stylesheet which generically transforms XML into JSON-Data.

#137	CRUD Department

Reported by **dbialik**, 3 months ago.

Description	see #146, #147, #148 for details

#138   make sql-procedures postgres 8.3 conform

Reported by **andrez**, 3 months ago.

Description	remove all default-values for functions and replace them with additional functions

#142   create and update courses

Reported by **andrez**, 3 months ago.

Description	user should enter new courses and update them

#143   create coursesattributes

Reported by **andrez**, 3 months ago.

Description	admin should be able to create courseattributes

#145   create and update courseelements

Reported by **andrez**, 3 months ago.

Description	user can create courselements (incl. ref to course) and can change courseelementdata

#146   create and update department

Reported by **andrez**, 3 months ago.

Description	user can create new departments via ressource-module if department is already available no new departsment should be created and warning should be presented (blocker #139,140,#141)

#147   check circular-ref in department on update/create

Reported by **andrez**, 3 months ago.

Description	when superordinate-department is set, check whether there are circular dependencies and reject if they occur.

#148   add department to building

Reported by **andrez**, 3 months ago.

Description	user should be able to set the department of a given building

#149   create and update academic terms

Reported by **andrez**, 3 months ago.

Description	user should be able to create academic terms and should be able to update them. overleaping ATs aren't allowed

#150   create and update programs

Reported by **andrez**, 3 months ago.

Description	CREATE: user can create programs (assign AT, department) and can select from courselist which course are running in this certain program (-> new courseinstances + new courseelementinstances) afterwards user can assign mainlecurers to each courseinstance and change start/enddate of courseinstance UPDATE: user can assign new courses to program via programview and/or assign new courseinstan

#151   create and update courseinstance

Reported by **andrez**, 3 months ago.

Description	user can manually create a courseinstance from a course and assign it to a given program, afterwards user can edit data about instance (like start/end-time, mainlecturer)

#153   create and update courseelementinstance

Reported by **andrez**, 3 months ago.

Description	after creation of program there are CIs with their CEIs but if a user wants to add a new CEI he/she can manually create a new CEI and say to which CE it belongs and to which CI, rest will be set automatical but the user can also change the data of an CEIs, since the values from the CE are only some kind of default-values

#157   Make the installer create a super-user

Reported by **scravy**, 3 months ago.

Description	Currently a super-user named "super" having the password "super" is hardcoded in meta/lib/sql.xsl . This is uggly, since sql.xsl is a library (a library!) as the location in a folder named "lib" suggests. Nothing s Thus: Enhance the installer with the option of automatically creating a super-user (may prompt for super users name or obtain via CMD-Line-Args). Also consider #100 (acticity in installer)).

#158   Easier import

Reported by **scravy**, 3 months ago.

Description	import is landed, but not accessible as via code (e.g. unit tests). We need to provide some kind of interface, e.g. a module in Scetris/Fourtris

#159   Provide "pluggable output" methods

Reported by **scravy**, 3 months ago.

Description	Would be cool to load an output-converter into FriggController, e.g. via loadOutputTransformer or something like that. e.g.: loadOutputTransformer("pdf", de.fu.weave.output.XSLFO.clazz); This would greatly ease understandability, maintainability and speed of developing.

#160   Refactor ORM to its proper place

Reported by **scravy**, 3 months ago.

Description	It's somewhere in weave, somehow it's not weave, since it's meta... urgh. Should be de.fu.meta.<Something>

#168   Use jQuery UI for fancy form-elements with automatic fallback

Reported by **scravy**, 3 months ago.

Description	Usefull enhancements include the datepicker as well as a fancy replacement for selects which enables a dropdown-autocomplete list.

#169   Provide output-method "plain"

Reported by **scravy**, 3 months ago.

Description	Blocked by #159. This is output as plain-text (text/plain)

#175	Enhance compareTo for Entities and Relationships

Reported by **scravy**, 3 months ago.

Description | Relation should implement Comparable<Relation>, so that Entites and Relationship can be stored in the same `TreeMap?`.

#176	Setting an attribute to the same value should not be reflected as "changed"

Reported by **scravy**, 3 months ago.

Description | Currently, if you set a new value, it counts as changed (for example via Person.setName()). However, it the value is the same, this should not happen.

#180	make features available in courseelements

Reported by **andrez**, 3 months ago.

Description | user can edit featuredata for given courseelements like in room.

#187	Implement RelationManager.get*() for Relationships

Reported by **scravy**, 3 months ago.

Description | Currently Relationships can not be retrieved from the Database without specifying a Subject and an Object. It is already required by a Unit Test which failed silently (i.e. the Exception was catched and not thro

#188	Null-values are not correctly fetched from database

Reported by **scravy**, 3 months ago.

Description | java.sql.`ResultSet?`.wasNull has to be used for checking against null-values. This is currently not done. Neither in Entities nor in Relationships.

#189	relayout site

Reported by **andrez**, 3 months ago.

Description | the current layout makes site unuseable when you search sth. due to overlaping layers. (propably other layers as well)

new layout is already in work/on paper, gonna relayout (majorwork: relayout divs and rework css, nothing more)

#195	change position of CEIs in proposed scheduling

Reported by **andrez**, 3 months ago.

Description | user can stop scheduling manually, jump into the timetable and select a CEI and choose another spot in the timetable (same room) Idea: each course get a radiobutton and each timeslot gets a radiobutton an

#196	rework roomtimetable

Reported by **andrez**, 3 months ago.

Description | analog to (#197) use a:hover to present additional data (lecturer, course , etc...)

#197	make user-timetable available

Reported by **andrez**, 3 months ago.

Description | analog to (#196) use a:hover to present additional data (lecturer, room , etc...) for the courses

#11	Create Coding Guidelines

Reported by **hagen**, 6 months ago.

Description | It gets increasingly important to unify the way our code is documented. The main goal is to make sure that our code will abide to common ideas of how to present information (as well as which information ne

Header [obligatory]
Author with full name
last changed

Explanation of functions goal [obligatory]

Use of TODO and similar tags in the comments

...

#14	Status report 3

Reported by **hagen**, 6 months ago.

Description | Write status report 3

#43	Provide Unit tests for annotation functionality

Reported by **scravy**, 5 months ago.

Description | The functionality from Annotations is somewhat magical. However, it lacks Unit tests. This **is** a **critical** defect and needs to be fixed ASAP.

#103	Refactor rsfs_manuallyUpdateProposedSchedule

Reported by **hagen**, 4 months ago.

Description | The UseCase rsfs_manuallyUpdateProposedSchedule is outdated. It needs to be updated according to our new model of cooperative scheduling.

#110	ant does not work when offline !

Reported by **andrez**, 4 months ago.

Description | was trying to run the ant-script (i guess it was ant setup-scetris) and some validation (in xml-validate) caused problems. if you comment these passages, everything works fine

#120	Investigate instant search feature

Reported by **scravy**, 3 months ago.

Description | Should be easy using jQuery and AJAX-Requests as well as forceType for ajax-xml output *always*. Note to myself.

#135	Implement Output-Method PDF using XSL-FO

Reported by **scravy**, 3 months ago.

Description | See also #159

#170	Allow binaryData have a Content-Disposition

Reported by **scravy**, 3 months ago.

Content-Disposition: attachment; filename=...

is a special header that can be used to make downloadable files which have a special name. Support it!

| **#116** | Replace Logos in trunk/logo by SVG-Versions |

Reported by **scravy**, 4 months ago.

Description (1) binary files don't go into SVN (2) SVG files are plain text (it's XML baby) (3) SVG files are scalable and can be used to generate PNG (for example using a buildfile and inkscape)

| **#133** | Implement Output-Method PDF using Latex |

Milestone: Iteration5 (22 matches)

Ticket	Summary
#139	form-validation - Check input, report errors, handle exceptions

Reported by **andrez**, 3 months ago.

Description when a form is submitted there needs to be a mechanism to check whether the data are valid in terms of format, e.g. Strings have at least 1 character, integer are positive (*), date in given format , etc.

| **#199** | enable 'freezing of scheduling' |

Reported by **andrez**, 3 months ago.

Description when the scheduling has finished an admin should be able to freeze the scheduling. with this action the proposed scheduling is copied into the real timetablestructure, means the starting_timeslots are set for t

additionaly data for the room of the CEI are needed. (elementinstancetakesplaceinrom)

(blocks #197 since we need roomdata) (blocks #60 since you need starting_timeslots to enroll into courses)

| **#105** | Enhance Scheduler efficiency |

Reported by **konrad**, 4 months ago.

Description Enhance Scheduler efficiency based on the results of the benchmark. Enhancing could be adjusting algorithm configurations, but also lead to redesign of the algorithm based on papers.

See #183 for details

| **#111** | @Args does not support arrays yet |

Reported by **andrez**, 4 months ago.

Description when you submit an array via form there is no way to get the arraydata (neither the values nor the keys) -> needed for M:N relations

| **#183** | Implement Greedy based Scheduler Setup |

Reported by **konrad**, 3 months ago.

Description The Scheduler uses a Setup Implementation in order to pre-generate possible Scheduling solutions. As a matter of fact this pre-generation is done completely randomly.

Papers have proven the use of a Greedy approach is very efficient. Greedy is implemented as class room traversal. Choose a random CEI and place it at an optimal starting time slot/room beginning with class

Replace the current SetupImpl? through GreedySetupImpl?.

Information: http://tclab.kaist.ac.kr/~otfried/cs500/06-greedy.pdf

| **#190** | Add Lecturer attribute to CourseElementInstance |

Reported by **konrad**, 3 months ago.

Description There is no way to distinguish between different Lecturers for a CourseElementInstance?. There is only a Main Lecturer, but no data which defines the Lecturer for a single CEI.

Add a FK to the Relation.xml

| **#213** | sort()-Filter does not work |
| **#48** | Implement functionality of proposed schedulings |

Reported by **konrad**, 5 months ago.

Description Proposed schedulings are not considered yet in crossover and mutation, fix this.

| **#102** | Validate-Input-Data Mechanism |

Reported by **andrez**, 4 months ago.

Description Check if data are valid in terms of format and response to user

| **#107** | Add template-option to Installer |

Reported by **scravy**, 4 months ago.

Description Commandline-Options should be --template and -t, for specifying a postgres-template which should be used to setup the databass (other than the default one, which is template0 i guess).

| **#112** | Increase Branch-Coverage up to 55% |

Reported by **scravy**, 4 months ago.

Description See #109, which was rather easy to fix :-)

| **#129** | Redo paths in weave |

Reported by **scravy**, 3 months ago.

Description Ich finde mein eigenes Konzept, den Namen einer Aktion oder eines Moduls direkt daran zu annotieren, mitterweile gar nicht mehr so gelungen.

Überlegungen: Ähnlich dem "servlet an Stelle XY einbinden" einen Mechanismus für Controller entwerfen, der es erlaubt an speziellen Pfaden bestimme Module einzubinden. Darüber hinaus: Actions dann eben

Beispiel: name in @ModuleInfo? könnte seine Bedeutung verlieren, statt dessen würde über eine Map bspw. der Pfad "users" (oder eben "benutzer") mit dem Modul assoziiert. Eine Unter-Action "edit" wäre da

| **#186** | Integrate Scheduler into Foutris |

Reported by **konrad**, 3 months ago.

Description The Scheduler Control Panel has to be integrated into Foutris (which will be called Scetris again in the near future).

Integration means to apply the current implementation to Foutris and implement the colloborative scheduling into the web interface by means of visual aid.

| **#200** | merge user with person |

Reported by **andrez**, 3 months ago.

Description since only persons can login , there is no need of a user-if/class

| **#202** | Implement QueryCache |

Reported by **scravy**, 2 months ago.

Description	Since Iteration3 i'm playing around with a query cache in the relation manager which caches queries instead of issuing them twice. mySQL is doing something like this natively, some jdbc drivers do it, howeve
	Since a pgsql/jdbc-preparedStatement gives the actual query using toString() this should be rather easy to implement, but all executeQuery statements would have to be handled at some central place (best i

#207 Make checkScore applicable for every program

Reported by **konrad**, 2 months ago.

Description	Currently checkScore returns only the score of the current scheduling process. We need a checkScore which returns a score for every given program.

#209 Extend test data generator by soft constraints

Reported by **konrad**, 2 months ago.

Description	The inglorious test data generator does not provide any generation of soft constraints, now the fu* time it is.

#215 Reimplement freezeProgram and publishProgram

Reported by **konrad**, 8 weeks ago.

Description	As Use Cases regarding the scheduling work-flow were neglected it became unclear what freezing and publishing a Program means. However these two methods are badly needed, thus implement both of them

#79 Implement Interprocess Communication Classes in de.fu.weave.ipc

Reported by **scravy**, 4 months ago.

Description	They will serialize and deserialize objects into XML and send / receive them via Sockets.
	This one is a partial blocker for #17 .

#178 Number-input-field (using jQuery)

Reported by **scravy**, 3 months ago.

Description	http://itgroup.com.ph/alphanumeric/ Found via: http://plugins.jquery.com/project/aphanumeric

#179 pseudo-default-value for input-fields like search

Reported by **scravy**, 3 months ago.

Description	See http://www.unwrongest.com/projects/defaultvalue/

#204 Is formbuilder.xsl still needed?

Reported by **scravy**, 2 months ago.

Description	Is source:/trunk/web/xsl/formbuilder.xsl@1474 still needed (i.e. used anywhere)?
	If not, please delete it and close this ticket as fixed. If it *is* needed, please move it to a proper location (e.g. a directory called common, lib, or something like that; however, i'd prefer to seen it being integ

Milestone: Iteration6 (25 matches)

Ticket	Summary	Status
#161	Implement de.fu.scetris.data.aspects.PersonAttributes	accepted

Reported by **scravy**, 3 months ago.

Description	Need custom SQL-Procedures integrated via that Aspect.
	This blocks #126

#40	Create Use Cases for Installation and Setup	accepted

Reported by **hagen**, 5 months ago.

Description	We need to create Use Cases for installation and setup of our product. These should ideally abstract from the operating system where possible, and be specific where necessary.

#46	Create risk management plan.	accepted

Reported by **scravy**, 5 months ago.

Description	See #45 for details.

#93	Review GenericController	closed

Reported by **scravy**, 4 months ago.

Description	The GenericController? implemented a custom apporach to configuration in it's early days. It's no longer desirable and has been changed, so that there is a properties-file for the Controller which is to be loade
	This will also affect unit tests and the ConnectionManagerImp?.
	Apart of that GenericController? definitely needs a Review by a developer other than the original author (which is me), to improve code clarity and eliminate bugs (if there are any).

#126	Implement User-Management-Module	accepted

Reported by **scravy**, 3 months ago.

Description	Includes:

- Create users
- Create user attributes
- Assign user attributes
- Edit user attributes
- Create user with attributes
- Create role
- Create role attributes
- Assign role attributes
- Create role with attributes
- Assign privileges to roles
- Assign privileges to users
- Assign roles to users
- Edit, remove those things

maybe: Group-Mgmt.

#162	Implement de.fu.scetris.data.aspects.CourseAttributes	accepted

Reported by **scravy**, 3 months ago.

Description	#161 may be helpfull, since basically it is the same functionality.

#174	Enhance Configuration of weavelets	accepted

Reported by **scravy**, 3 months ago.

	Description	Currently it's a mess. defective by design!	

#177	Make KVV-data available	accepted

Reported by **scravy**, 3 months ago.

	Description	An XSL-T or custom Importer (de.fu.meta.java.imex) should be built for importing data from KVV.	

#192	Make Department FK of Room and Building NOT NULL	new

Reported by **konrad**, 3 months ago.

Description	Scetris does not support inter-department scheduling. Thus Rooms and Buildings with no Department will be dropped when configuring the Scheduler data.
	-> Rooms and Buildings with no Department does not make any sense, add NOT NULL constraint

~~**#203**~~	"JOIN" is damn slow	closed

Reported by **scravy**, 2 months ago.

Description	The functionality which we praise as "JOIN" is daaaaaamn slow. The reason for this is that a real JOIN is never done, but each entity is fetched by a new query. This sould be fixed.
	The problem is that JOIN is bypassed and the check-function seems not to notice, that entities have not yet been fetched, thus regular ORM-mechanisms take place.

#95	Make UnitTests adhere to the configuration from build.properties	accepted

Reported by **scravy**, 4 months ago.

	Description	Currently configuration is hard-coded, but our powerfull build-system *can* do this. I do consider this a defect (bug).	

#124	Implement special import	accepted

Reported by **scravy**, 3 months ago.

Description	Currently the almost complete import-functionality is rather generic, i.e. it is possible to include any data but without data-specific options like "assign the imported courses to current academic term" or "reso
	I think I won't have time to fix this within this week, but maybe in the next.
	This is scetric-specific and no ORM-property since it deals with special semantics of our relational model.

#144	make courseattributes available in CRUD course	accepted

Reported by **andrez**, 3 months ago.

	Description	courseattributes are usable via course-editing (like in room->feature)	

#152	offer subject-object information for coursemgmt	accepted

Reported by **andrez**, 3 months ago.

Description	e.g. user should see which courseelements a given course has (and not only via courselements-panel) directly on the detailpage of a course and should be able to edit them with a direct link to the courseelen
	other places: courseinstance -> courseelementinstance

#154	copy program from previous programs	accepted

Reported by **andrez**, 3 months ago.

	Description	when creating a program the user can either choose to select the course manually(see ~~#150~~) but can instead say to import all courses from a previous program. afterwards he then can still add/delete them.	

~~**#191**~~	adjust listviews for entities to get join-data	closed

Reported by **andrez**, 3 months ago.

	Description	show relation-data and not the id of the reference-data to increase useability	

#194	make year available in course	new

Reported by **andrez**, 3 months ago.

	Description	user can change/edit/assign years for a course -> courserecommendedforyear	

#198	enable courseinstanceoverview	assigned

Reported by **andrez**, 3 months ago.

	Description	create a template that displays all related data of a courseinstance (like kvv-view of courses for a given semester) (this is for normal users, that can only read not edit)	

#201	relationManager.getElementInstanceTakesPlaceInRoom() misses "element_instance", throws Exception	accepted

Reported by **scravy**, 2 months ago.

Description	Konrad reported the following to me:
	Calling:

```
List<ElementInstanceTakesPlaceInRoom?> takesPlaceList = relationManager
        .getElementInstanceTakesPlaceInRoom();
```

	yields:

```
Ouuuh, aaah! An Error occured :-( java.lang.reflect.InvocationTargetException? de.fu.bakery.orm.java.DatabaseException?: »Der Spaltenname "element_instance" wurde in diesem ResultSet? nicht gefunden.«
```

	although element_instance *is* in the Schema for sure.

#205	Add INDEXes on foreign keys	new

Reported by **scravy**, 2 months ago.

	Description	I just read the following question on stackoverflow [http://stackoverflow.com/questions/621884/database-development-mistakes-made-by-application-developers/] and I totally agree with some of the comm	

#206	Instead of ModuleNotLoadedException 404 Error page should be shown	new

Reported by **scravy**, 2 months ago.

	Description	and of course HTTP 404 should be sent. Same goes for UnknownActionException?	

#210	Extend test data to more departments	accepted

Reported by **konrad**, 2 months ago.

	Description	In order to get in touch with a more real-world example, test data for one department is not sufficient. Extend the test data to at least 4 more departments.	

#155	implement simple notification-service	accepted

Reported by **andrez**, 3 months ago.

Description	whenever the scheduling is finished / or sth. else (will be specified when needed) happens (e.g. courses are rescheduled,...) automatically a message is 'send' to the person involved, after he/she logs in (or s

'send' means a simple db-entry with person(maybe group also), message, and a field that indicates if this msg was already presented. -> this way students can be informed about major updates, etc.

#193	fix lineheight on inputfields	new

Reported by **andrez**, 3 months ago.

Description	when a linebreak appeears, the words from the x.th inputfield overlap with the text from the x+1.th inputfieldtext. fix it, that this does not happen but the text is still vertically aligned centered

#211	Stylesheets: clean up that mess	new

Milestone: Knowledge Management (3 matches)

Ticket	Summary	Status	Owner	Type	Priority ▲	Milestone
#113	HW: Buildsystem aufsetzen, einrichten, ausprobieren	closed	hagen	task	major	Knowledge M

Reported by **scravy**, 4 months ago.

Description	(1) EntitiesStressTest?.stressTest() einzeln als Unit-Test ausführen und die Daten mittels de.fu.scetris.Exporter exportieren (a) mit Schema (--with-xml-schema) (b) ohne Schema (nicht weiter) Hinweis: Der Exporter hat noch keinen Hilfedialog ist aber auch nicht sonderlich komplex, Hilfe ist durch Lesen des Quellcodes zu finden. Notwendig ist dafür natürlich, dass man lokal seine Postgres-Datenbank aufgesetzt hat, seine build.properties konfiguriert und optimal die Unit-Tests starten kann als auch den Exporter bedienen. Die Unit-Tes

#114	HW: Testdatengenerator implementieren	closed	hagen	task	major	Knowledge M

Reported by **scravy**, 4 months ago.

Description	**Hinweis:** *Wenn der Zeitraum für dieses Ticket (bis Sonntag) zu knapp bemessen ist, dann bitte als ""WONTFIX" abtun weil ich schneller selber Testdaten schreiben kann. Ich ersinne dann eine neue Aufgabe* (2) Testdatengenerator implementieren der komplexe Testdaten in dem durch export() definierten Format erstellt. Hinweis: Es kann hierfür das DOM verwendet werden, muss aber nicht. XML kann auch als Te Zusätzlich möglich (nicht obligatorisch): (3) Testdatengenerator pimpen: Testdaten bzgl. diverser, möglichst über die KOmmandozeile bestimmbarer, Eigenschaften pimpen; diese können umfassen: Prozentuale Belegung der Räume, prozentuale Bele

#115	HW: Zwei simple XSL-T für Lipsum entwickeln (XHTML, LaTeX)	closed	dbialik	task	major	Knowledge M

Reported by **scravy**, 4 months ago.

Description	Gegeben sei das an dieses Ticket angehängte XML-Dokument. Seine Struktur ist simpel: document = (title, section) section = (h,(p|section)*) Es sollen zwei XSL-T dafür entwickelt werden: (1) Eins, welches das Dokument in ein XHTML-Dokument überführt. Hinweis: Tricky ist, dass das Quelldokument beliebig tief verschachtelte Sections erlaubt, HTML die Verschachtelung von so etwas sie Sections gar nicht kennt. HTML benutzt statt dessen <h1> bis <h6 (2) Ein anderes, welches das Dokument in ein LaTeX-Dokument überführt. Hinweis: Hierfür wird <xsl:output method="text" /> benötigt werden.

Milestone: Polishment (1 match)

Ticket	Summary	Status	Owner	Type	Priority ▲	Milestone	Component	Resolution	Created
#21	Create XSL-T for generating an ERM	closed	scravy	task	trivial	Polishment	bakery	fixed	5 months

Reported by **scravy**, 5 months ago.

Description	same as #20 but for an Entity-Relationship-Model. **Required knowledge** - XSL-T - Graphviz (or similar)

Milestone: IterationN+1 (24 matches)

Ticket	Summary	Status	Owner
#108	Create a graphical installer	closed	dbialik

Reported by **scravy**, 4 months ago.

Description	David has been working on a graphical Installer.

#216	Implement instant search	accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description	The feature was once there and it's not hard to implement (at least for someone, the assignee of this ticket, who knows how to do it). **Requirements:** On the page there shall be a text-field which can be used for searching the entities "lecturers", "courses", "course instances", and "rooms". When typing and at least 2 letters have made it int However, to not impose too high server load, requests should be sent with a delay, that is, no two requests with less than 500ms between should be sent (a queue may be the best). **Implementation notes:** It might be necessary to implement a custom pl/pgSQL-function in order to enhance speed. The time delay may be achieved using a boolean variable "delayed" and window.setTimeo

#217	Public course listing	accepted	hagen

Reported by **scravy**, 4 weeks ago.

Description	**Requirements:** Like in KVV there should be a page listing the course instances to a given academic terms. The available terms should be listed in a separate area on the page (like, in the menu - please not a - the main lecturer, - the name of the course of which the course instance is an instance of, - the course-type (yes, we have a course-type-entity, like "VL+Ü" in KVV (have a look) **Implementation notes:** A sample on how a module should be built and how, for example, one can include sub-items in a menu, see the admin module and it's templates, especially "xsl/admin/common.xsl" See also #219

#218	CRUD C, CE, CEI, CI, AcademicTerm in admin module	accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description	**Requirements:** The admin-module needs to be capable of creating C, CE, CEI and CI. Work flow should be as follows: - Create a Course (create Course Elements along with them) - Create a Course Instance by selecting a course of an academic term which is to be re-instantiated (smart copy) Editing Courses should also allow for adding further course elements. When selecting an Academic Term for reinstantiation, the user should be prompted with a list of the courses (like checkboxes which are all checked) so he can choose to not reinstantiate some courses.

Open problems: What happens when a Course Element is added to a Course which is already instantiated? Does a Course Instance automagically get this Course Element assigned?

#219	Detailed public course view		accepted	hagen

Reported by **scravy**, 4 weeks ago.

Description

Requirements: From the public list of courses per academic term (see #217) one should be able to get a detailed view of that course instance. If that person has the right to do so, it should also display nor

Courses can have any number of additional attributes via the CourseAttribute? mechanism. Of course, the view should show these information too, since they contain stuff like "ECTS", "Description", "Literatur

Implementation Notes: To check rights, the methods "hasPrivilege" method (offered by Person) or "may" (offered by User) should be used. Since XSL-T is not meant to call java methods, that right has to

Dependencies: Depends on #217. For testing we need to be able to be able to create the whole C, CI, CE, CEI stack (#218). This is also strongly connected to #234 (enroll). Please have a look at it.

#220	Display timetables for Rooms, Users (Students+Lecturers), Courses Elements		accepted	andrez

Reported by **scravy**, 4 weeks ago.

Description

We had this feature for a Room. This needs to be reimplemented and extended to show timetables for Users (for Students as well as for lecturers).

Requirements: A timetable showing which course is when/where (depending on what we do view). The timetable should also provide links to the adequate detail pages. If the person has the right to edit som

Enhancements: To move a course form one room to another, it might be appropriate to display a second timetable of the room, which the course is to be moved to. Would be cool using AJAX, however, we c

A more sophisticated feature is to overlay and filter a current view (like "show all courses from rooms A, B, C, except for those from the Second Year or so).

#221	Refactoring of artifacts		accepted	konrad

Reported by **scravy**, 4 weeks ago.

Description

Use cases, requirements, UML, and stuff needs to be organized or even be created (!). API-documentation (javadoc) needs to be generated.

Starting points are Trac and http://page.mi.fu-berlin.de/score/ (enable VPN).

#222	Permissions and Privileges		accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description

Permissions and Privileges need to be respected / adhered to.

'Requirements: Privileges need to be identified ("user may edit course", "user may edit course instance", "user may edit course instance X", "user may edit course X and all of its course instances", "user may

Implementation notes: In Templates it is necessary to check whether the currently logged in user has a specific privilege or not and to assign a template variable accordingly which is evaluated in the templa

#223	Public people listing		accepted	hagen

Reported by **scravy**, 4 weeks ago.

Description

Requirements: Like this page there should be a listing of lecturers. There already is a module for it (People.java) and the link is in the interface (top bar). Users should be able to search, filter and otherwise

Implementation notes: It is rather easy to implement multi page lists. Parameters may be declared using @Arg and passed to the adequate RelationManager?->select<Type>()-Methods. We already had su

Further tickets: Detailed view (#224)

#224	Detail view for Users / lecturers (show user)		accepted	hagen

Reported by **scravy**, 4 weeks ago.

Description

Requirements: A detailed view for Users, especially lecturers, (since lecturers have, as CourseAttributes? do, a customizable number of Attributes) should be implemented along with the list. Admin-Links ma

Nice to have a list of Courses a Lecturer has given / is giving. See KVV for how they do it: https://www.mi.fu-berlin.de/kvv/lecturer.htm?id=155

Dependencies: #223

#225	Refactoring of scheduler		accepted	konrad

Reported by **scravy**, 4 weeks ago.

Description

Includes:

- Enhance line/branch-coverage
- Enhance documentation (javadoc! javadoc!)
- perhaps create further docs (UML! UML!)

#226	META-Ticket: lists, detail views		accepted	hagen

Reported by **scravy**, 4 weeks ago.

Description

Meta-Ticket summarizing goals for this area of concern:

- List Lecturers
- Detail view Lectureres
    - including list Attributes
    - including list of Courses
- List Courses / Course Instances
    - includes list of AcademicTerms? to choose from
- Detail view Courses / Course Instances
    - including list CourseAttributes?
- PERHAPS:
    - Check permissions to display additional options for logged in users, like "enroll", "edit" or "delete"

Covers the following tickets:

- #217 (list courses)
- #217 (show course)
- #223 (list lecturers / users)
- #224 (detail view lecturer / user)

#227	META-Ticket: Forms, Forms, Forms		accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description

Create Forms for CRUD.

The following entities need to be covered:

- AcademicTerm (create, edit, delete)
- Course (create, edit, delete)
- CourseInstance (create, edit, delete)
- CourseElement (create, edit, delete)
- CourseElementInstance (create, edit, delete)
- Department (create, edit, delete)
- CourseAttribute (create, edit, delete)
- courseHasCourseAttribute (create, edit, delete)
- courseRequiresCourse (create, edit, delete)

Suitable presentation has to be found (e.g. where to edit what - especially relationships). Throughout all forms Permissions need to be checked.

Open Quenstion: How are values of attributes assigned to CourseInstances? Do we need a new relation for that?

Includes tickets:

- #218 - C, CE, CI, CEI, AcademicTerm?
- #222 - Permissions and Privileges
- #228 - CRUD Attributes

#228	CRUD Attributes	accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description

There is a sophisticated model supporting assignment of various attributes to virtually anything. However, these attributes have a type, certain permissions on who can edit them, who can view them (public o

Implementation Notes: This is especially hard to realize with the auto-generated Forms.

Entities involved:

- Attribute
- CourseAttribute
- courseHasCourseAttribute
- userHasAttribute
- roleImpliesAttribute

Open Question: How is the value of attributes expressed for a single Course Instance? Is that possible

See also #227

#229	META-Tickets: Timetables & collab. Scheduling	accepted	andrez

Reported by **scravy**, 4 weeks ago.

Description

(describe it here)

Includes:

- #220

#230	Make installable as WAR	accepted	dbialik

Reported by **scravy**, 4 weeks ago.

Description

Additionally to the installer, make it deployable as WAR-Archive.

This is completed if it is possible to simply upload the WAR (including libs) and a xml-Descriptor using the Tomcat-HTML-Manager.

It might be necessary to change the way Scetris is configured to XML and the web.xml-file uploaded along with the WAR-File.

Should be no technical problem since it is discusses in Assignment 6 in ALP 5.

#231	META-Ticket: Installer	accepted	dbialik

Reported by **scravy**, 4 weeks ago.

Description

(describe it here)

Tickets involved:

- ~~#108~~ graphical installer
- #230 Web Archive with web.xml

#232	META-Ticket: Refactoring / Documentation	accepted	scravy

Reported by **scravy**, 4 weeks ago.

Description

Yeay..

Includes:

- #221 artifacts
- #225 scheduler
- ~~#232 tidy up Trac~~

~~#233~~	tidy up Trac	closed	

Reported by **scravy**, 4 weeks ago.

Description O.o

#234	Enrollment for Students in Courses	assigned	andrez

Reported by **scravy**, 4 weeks ago.

Description

Requirements: Some foundations are already laid for users to enroll into a course. However, it needs to be implemented in the Web Interface. Users should be able to show the list of courses (or a list of cou

On enrollment requirements like maximum number of students in a course should be checked (capacity).

It would be quite nice to see "you are enrolled in this course" when looking at a detailled course view.

~~#10~~	Create XML Schema for entities.xml	closed	scravy

Reported by **scravy**, 6 months ago.

Description

We do have several DTDs but no XML Schema for the data we're using.

The Schema could be generated from entities.xml in ju-spannenende-experimente. Via xs:annotation-Elements information fom ERModel? can be included too, with XSL it can be nicely formatted than. HOweve

- http://w3schools.com/schema/default.asp
- http://www.w3.org/XML/Schema

~~#33~~	Create Annotation Processor for weave	closed	scravy

Reported by **scravy**, 5 months ago.

Description

I moved everything related to the web-framework I built for use with Scetris to its own package de.fu.weave. Weave features Annotations which should be processed by an Annotation Processor rather than a

An Annotation Processor is used by javac to check foreign Annotations. It will report misuse of Annotations.

See http://download.oracle.com/javase/1.5.0/docs/guide/apt/index.html

~~#92~~	Separate Scheduler from Web-Infrastructure	closed	

Reported by **scravy**, 4 months ago.

Description

please.

André and I came along the scheduler starting off to work putting heavy load on our machines. Would be cool if we could simply kill the scheduling process instead of whole tomcat.

thanx.

~~#20~~	Create XSL-T for generating UML	closed	scravy

Reported by **scravy**, 5 months ago.

Description

meta lacks an XSLT for creating UML-PDFs automatically. It is easy to build one using Graphviz, it just has to be done.

Required knowledge

- XSL-T
- Graphviz (or similar)

Milestone: None (19 matches)

Ticket	Summary	Status	Owner	Type	Priority ▲	Milestone	Component
#4	Describe Entities which need to be modeled in database	closed	dbialik	task	blocker		development process

Reported by **scravy**, 6 months ago.

Description	Since we need to model many different entities (Students, Courses, ...) and work in two (including SQL even three) programming languages it would be nice to know what the entities ARE that we work with.

Therefor a listing similar in style to that of the DBS-project (given by Mr.Schweppe) including ALL entities should be created. It should include information for what the entity used and in what component (e.g.

The Tickets can be commented, so maybe it is a good point to start a discussion here.

A first overview:

- Student
- Permission
- Role (bundles several Permissions)
- Course
- courseinstance (scheduler, currently referred to as course inside any branch)
- Room (scheduler)
- Feature (of a Room, e.g. capacity or has-overhead-projector)
- Lecturer (scheduler)
- studentsgroup (scheduler)
- Locality (scheduler, e.g. a campus like that of the Silberlaube)
- ...

A few questions:

- Is it necessary to separate Lecturers and Students?
- In what way are the entities related to each other?

The ticket is completed when an artifact in PDF and in english language is available.

Ticket	Summary	Status	Owner	Type	Priority	Milestone	Component
#127	@commit supports handles="foobarexception.class"	closed		defect	blocker		all: the whole thing

Reported by **andrez**, 3 months ago.

Description	it's crucial that @commit supports handles, like @action supports handles so we can produce user-friendly forms.

#166	Refactor colloborative Scheduling methods	closed	konrad	task	blocker		scetris: scheduler

Reported by **konrad**, 3 months ago.

Description	The colloborative Scheduling methods were implemented. However the design is questionable. The methods have to be refactored. The quality of refactoring will be valued through integration into the web inte

#131	Parametrize the Scheduler Start	closed	konrad	defect	critical		scetris: scheduler

Reported by **konrad**, 3 months ago.

Description	Currently the Scheduler schedules the whole database content. This does not correspond to the SCORE Requirements.

Parametrize the start of the Scheduler, respectively AlgorithmImpl? by two parameters:

- Academin Term
- Department

The Scheduler has to schedule only data from a certain Department on a certain Academic Term.

#140	form-validation - Constraints	closed	scravy	defect	critical		scetris

Reported by **andrez**, 3 months ago.

Description	when a form is submitted there needs to be a mechanism to check whether all constraints are satisfied. If not, the form should be displayed again with errormessages (if one summary or detailed notes on wro

example. user entes a room, but the room is already available (roomname) user creates new program but combination of academic term and department is already created/used

#141	form-validation - general	closed	scravy	defect	critical		scetris

Reported by **andrez**, 3 months ago.

Description	includes ticket #139 and #140, but may contain other things to discuss. (this is more like a wrapper-ticket)

#50	Developing a concept of interprocess communication	closed	konrad	task	major		all: the whole thing

Reported by **konrad**, 5 months ago.

Description	As a matter of fact our system will run by two different JVMs, the scheduler and the web server.

We are in need of a way to communicate between both. There are many approaches, COBRA, RMI and even simple sockets.

#132	Provide methods to implement Collaborative Scheduling	closed	konrad	task	major		scetris: scheduler

Reported by **konrad**, 3 months ago.

Description	The current strategy of the Scheduler Implementation does not fit the requirments of collaborative scheduling.

The collaborative scheduling only wants to check the current Schedule for its fitness score.

Implement a new AlgorithmImpl? in order to check the fitness score and return its value.

#136	Parametrize Scheduler by Random Seeds	closed	konrad	enhancement	major		scetris: scheduler

Reported by **konrad**, 3 months ago.

Description	In order to run and evaluate the benchmark of the scheduler, random seeds are needed to get reproducible results

#165	Evaluate Scheduler performance through Benchmark	closed	konrad	task	major		scetris: scheduler

Reported by **konrad**, 3 months ago.

Description	The current implementation of the Scheduler has to have put to acid test.

Evaluate the Scheduler performance through the Benchmark with use of different scale of data and different genetic configuration.

#167	preselect old-selected	closed	andrez	task	major		scetris

Reported by **andrez**, 3 months ago.

Description	for select-option templates add a param to make the template independent from vars:data rather than an input you gave with.

#172	~type=html not working properly	closed	scravy	defect	major		scetris

Reported by **andrez**, 3 months ago.

Description	when you start the servlet and simply type the url, enter you get a white page because type is set to default (so propably html). but html is not working correctly, if you type xhtml you get the page of fourtri

only recognized in fourtris, not in scetris i believe *FF3.X and Safari 5.X on mac*

#182	Implement resume of a scheduling	closed	konrad	enhancement	major		scetris: scheduler

Reported by **konrad**, 3 months ago.

| Description | A running schedule can be stopped. When a schedule is stopped, for instance to entered additional CEI the scheduling should be resumeable. |

Extended the SetupImpl? which maps ProposedSchedule? data to the intern Scheduler data structure.

#184	Implement locking feature		closed	konrad	enhancement	major		scetris: scheduler

Reported by **konrad**, 3 months ago.

| Description | Locking feature means a course element instance which has already a starting time slot and a room can be locked. |

If a scheduling is resumed, this CEI will not be moved.

Affected implementations are MutationImpl? and CrossoverImpl?.

#208	Implement output of constraints being violated		closed	konrad	enhancement	major		scetris: scheduler

Reported by **konrad**, 2 months ago.

| Description | In order to provide a collaborative scheduling the user needs to know which constraints are not satisfied. checkScore has to be extended to deliver the list of violated constraints. |

#214	Implement the checking of the year constraint		closed	konrad	enhancement	major		scetris: scheduler

Reported by **konrad**, 8 weeks ago.

| Description | A very important constraint is the studiability of a program. Implement the checking of courseRecommendedForYear in the scheduler, respectivly in the HardFitnessCalculation?. |

#171	ant purge !		new		defect	minor		build system

Reported by **andrez**, 3 months ago.

| Description | deletes tomcat - good deletes libs - good deletes files in web/xsl + web/css due to symlinks |

i thought we fixed this, apperently not

#185	Scheduler setting createdBy in ProposedScheduling		closed	konrad	defect	minor		scetris: scheduler

Reported by **konrad**, 3 months ago.

| Description | The relation ProposedScheduling? has an attribute named createdBy. The attribute informs about the user who has entered the ProposedScheduling?. |

The Scheduler enters the ProposedScheduling? data. Thus the person who has started the Scheduling should be transmitted in order to set this attribute.

Currently the first person available is set -> fix this

#212	Implement the clone method for ScheduleImpl		accepted	konrad	defect	minor		scetris: scheduler

Reported by **konrad**, 2 months ago.

| Description | Currently the best schedule is not used to choose for crossover or mutation. However there are conceivable scenarios which would improve the scheduling at this point. |

Override the clone() method and implement it properly.