
Domain Specific Modeling Enabling Full Code Generation

use of domain specific modeling with model-based testing - 1 use of domain-specific modeling with model-based testing juha-pekka tolvanen, phd, metacase stephan schulz, phd, conformiq **domain-specific modeling: enabling full code generation** - domain-specific modeling: enabling full code generation ©2008 metacase 2 outline why domain-specific modeling industry examples how to define modeling languages and code generators industry experiences ... "i could define a domain-specific language in about six hours – design, testing and one ... **domain-specific modeling languages for embedded system ...** - domain-specific modeling languages for embedded system development juha-pekka tolvanen, steven kelly metacase ylistönmäentie 31, fi-40500 jyväskylä, finland {jpt, stevek}@metacase abstract. metamodels and generators are typically applied to define development environments that produce code and other software related **domain-specific modeling as an enabling technology for ...** - domain-specific modeling as an enabling technology for small and medium-sized enterprises donald barkowski fraunhofer iese fraunhofer-platz 1 67663 kaiserslautern +49 631 6800 2238 donaldrkowski@ ieseaunhofer thomas kuhn fraunhofer iese fraunhofer-platz 1 67663 kaiserslautern +49 631 6800 2177 thomas.kuhn@ ieseaunhofer **development of a domain specific modeling language to ...** - domain vocabulary and knowledge content. a domain specific modeling language provides an intuitive environment to model domain specific engineering knowledge and enables a tight coupling between ... **a uml-based domain specific modeling language for the ...** - a uml-based domain specific modeling language for the availability management framework p. salehi, a. hamou-lhadj, p. colombo, f. khendek electrical and computer engineering department ericsson inc. **domain-specific modeling languages for embedded system ...** - domain-specific modeling languages for embedded system development mecoes, tampere, oct 7 2012 juha-pekka tolvanen, steven kelly metacase **domain-specific modeling environment based on uml profiles** - the modeling world, correspondingly, new modeling approaches are getting popular which also allow definition of new domain-specific languages. a domain-specific language (dsl) is usually a formal, interpretable language for describing a specific domain (or part of that domain) for which the system is being designed. in this paper, **supporting engineering design modeling by domain specific ...** - ogheneovo edward. erhieyovwe.. supporting engineering design modeling by domain specific modeling languag, americanjournal of software engineering and applications. vol. 2, no. 3, 2013, pp. 86-91. doi: 10.11648/j.ajsea.20130203.11 abstract: domain specific modeling methodology employed in this solution provides abstractions in the problem domain **genie: a domain-specific modeling tool for the generation ...** - genie: a domain-specific modeling tool for the generation of adaptive and reflective middleware families nelly bencomo and gordon blair lancaster university, comp. dep., infolab21, lancaster, uk, la1 4wa [nelly, gordon] @compncs abstract. **uml-based domain-specific modeling using metamodelagent** - the modeling tool, extended with metamodelagent and a domain-specific meta-model, form a domain-specific modeling tool. metamodelagent uses the metamodel to provide additional functionality to the uml tool by continuously compare models being developed towards the metamodel and enabling a context-sensitive metamodel adapted gui to the end user. **worst practices for domain-specific modeling - metacase** - on creating domain-specific modeling languages. learning what not to do— including how to deal with common pitfalls and recognizing troublesome areas—can help. steven kelly and risto pohjonen, metacase **worst practices for domain-specific modeling domain-specific modeling enabling design-space exploration for domain-specific ...** - of criteria, by searching through a space of possible solution designs. domain-specific modelling (dsm) allows language engineers to create domain-specific languages (dsls) for a particular domain, allowing non-technical domain experts to use the dsl to model a system, analyse, optimise or transform the model, generate code or documentation, etc. **domain-specific modeling environment based on uml profiles** - domain-specific modeling environment based on uml profiles* darius silingas1, ruslanas vitiutinas2, andrius armonas3, lina nemuraite3 1 no magic europe, training department, savanoriu av. 363 ... **solving the modeling dilemma as a foundation for ...** - advantage of domain-specific terminologies and their underlying ontologies, extensively exploited in good modeling best practices. 2.2 data modeling data modeling is frequently described as a series of processes to define data requirements for supporting business processes by enabling all related process decisions, so defining the system **a domain-specific modeling approach to realizing user ...** - a domain-specific modeling approach to realizing user-centric communication yali wu 1, andrew a. allen , frank hernandez1, robert france2, peter j. clarke 1 school of computing and information sciences, florida international university, miami, fl 33199, usa 2 department of computer science, colorado state university, fort collins, co80532, usa ... **weaving concurrency in executable domain-specific modeling ...** - concurrency in executable domain-specific modeling languages. 8th acm sigplan international conference on software language engineering (sle), 2015, pittsburg, united states. hal-01185911 weaving concurrency in executable domain-specific modeling languages florent latombe university of toulouse, irit, ... enabling concurrency-aware analyses ... **enabling multi-view modeling with sysml profiles and model ...** - enabling multi-view modeling 531 5 multi-view modeling method our method for multi-view modeling involves the following steps: 1 formal definition of the domains involved in the system through metamodels 2 customization of sysml through profiles to enable domain specific modeling **the**

generic modeling environment - vanderbilt university - the generic modeling environment technical report Ákos Lédeczi, miklós maróti and péter völgyesi institute for software integrated systems, vanderbilt university nashville, tn, 37221, usa akos.ledeczi@vanderbilt abstract this chapter introduces the concepts and techniques required for developing graphical, domain-specific **casl: a declarative domain specific language for modeling ...** - casl: a declarative domain specific language for modeling complex adaptive systems lachlan birdsey claudia szabo katrina falkner school of computer science the university of adelaide adelaide, australia abstract complex adaptive systems (cas) are ubiquitous across many domains, such as social networks, supply chains, and smart cities. **Incs 7281 - fstoolkit: adopting software engineering ...** - modeling and meta-modeling to define a resource broker and to specify scenarios by applying the domain specific modeling (dsm) paradigm. fstoolkit is developed for experimentally driven research for validating through testing-scenarios new architectures and systems at scale and under realistic environments by enabling federation of resources. **advanced and efficient execution trace management for ...** - 2.2 executable domain-specific modeling languages to execute a behavioral model and henceforth be able to use dynamic v&v techniques, the execution semantics of the considered dsml must be defined. we call executable domain-specific modeling language (xdsm) a dsml that aims at supporting the execution of models, and we call exe- **surgical data science: enabling next-generation surgery** - surgical data science: enabling next-generation surgery lena maier-hein1,*, swaroop vedula2, stefanie speidel3, ... organization, analysis, and modeling of data. it encompasses all clinical disciplines in which ... and is analyzed in the context of generic domain-specific knowledge derived from existing evidence, clinical guidelines, current ... **clooca : web based tool for domain specific modeling** - clooca : web based tool for domain specific modeling shuhei hiya*, kenji hisazumi, akira fukuda, and tsuneo nakanishi kyushu university 744 motooka nishi-ku, fukuoka 819-0395, japan {hiya,nel,fukuda,tun}@ftushu-u **using domain-specific modeling towards computer games ...** - using domain-specific modeling towards computer games development industrialization andré w. b. furtado, andré l. m. santos ... on how visual domain-specific languages and related assets (such as semantic validators and ... but also for enabling the portability of computer games among devices manufactured by different vendors. therefore, by ... **a framework for modeling and enabling reuse of best ...** - a framework for modeling and enabling reuse of best practice it processes hamid r. motahari-nezhad, sven graupner, claudio bartolini hp laboratories hpl-2010-107 best practice processes, process modeling, process reuse, itil best practices frameworks such as itil provide a generic description of best practice processes that are **applying model based systems engineering (mbse) to a ...** - modeling and systems engineering. mbse uses systems modeling language (sysml) as its modeling language. sysml is a domain-specific modeling language for systems engineering used to specify, analyze, design, optimize, and verify systems. an mbse challenge project was established to model a **institute for software-integrated systems technical report** - the cyber physical modeling language, referred to as cyphuml or cyphy, is a domain specific modeling language designed for modeling, evaluation, and synthesis of cyber-physical systems (cps). the development of cyphy was driven by the goals of avm program towards accelerating design and synthesis of complex cps. **model-based design and generation of telecom services** - model-based design and generation of telecom services a. hartman1, m. keren2, s. kremer-davidson2, ... prior art in the area of domain specific modeling and generation of telecom services. ibm's uml profile for software services [pss05] has ... enabling to create telecommunication services without **dexml: a first step toward a uml based implementation ...** - and plcs-specific technologies (domain-specific languages and software) used to develop and implement the templates. dexml presents an approach based on the unified modeling language (uml) enabling the use of mainstream software and technologies to develop and implement dexs, reducing the need for nonstandard and unfamiliar languages and tools. **interoperable methodologies and techniques in cad** - do not contain "domain" semantics, which is a key concept for the current drivers in building information modeling. semantics in building information modeling can be understood as objects with meaning. in other words, an object representing a metal stud wall will know that it is representing a metal stud **enabling risk-aware enterprise modeling using semantic ...** - the domain of risk-aware business process management. upon the representation of risks in business processes using the semantic annotation approach, it is shown how swrl rules can be used to auto-matically generate configurable risk reports. keywords: risk management, enterprise modeling, semantic annotation, ontology, rules. 1 motivation **lockheed martin space systems company - nasa** - increasingly detailed levels of domain specific modeling. • by viewing the sam as the hub of the digital tapestry, an integration pattern emerges enabling cross-domain connectivity with a minimal set of required integrations. **multi-domain modeling and simulation of an electro ...** - multi-domain modeling and simulation of an electro-hydraulic implement system sameer m. prabhu, jeff wendlandt, john glass, and tom egel the mathworks, inc. abstract the need to meet new regulatory requirements as well as customer expectations in terms of machine productivity, safety, maintenance and uptime, is driving a **temenos design technology ebrochure** - development. source: "domain-specific modeling significantly reduces development time", james l. hammond, metacase, 2008. 2 . independent research shows that enterprises which adopt the right tools, architecture . and best-practices (as enabled by temenos' design studio and the design framework) **evolving lockheed martin's engineering** - domain specific model development & integration enterprise

modeling ... domain specific modeling. • by viewing the sam as the hub of the digital tapestry, an integration pattern emerges enabling cross-domain connectivity with a minimal set of required integrations. **stevens institute of technology systems engineering ...** - stevens institute of technology & systems engineering research center (serc) ... domain-specific modeling languages x x x x x x x x x x x x x x x x x x ... academia on developing and operating in modeling framework enabling cross-domain model integration & single source of technical truth (sstt) **modeling and simulation enabling technologies for military ...** - modeling and simulation enabling technologies for military applications alex f. sisti steven d. farr us air force rome laboratory 32 hangar road rome, ny 13441, u.s.a. abstract while there has been much attention paid lately to the field of modeling and simulation as a general tool to be used in specific and well-founded application areas, **domain modeling for the semantic web: assessing the ...** - domain modeling for the semantic web: assessing the pragmatics of ontologies melinda mcdaniel1* and veda c. storey2 1college of computing, georgia institute of technology, atlanta, ga, usa mcdaniel@cctech 2department of computer information systems, georgia state university, atlanta, ga, usa vstorey@gsu abstract. **from mechatronic components to industrial automation things** - from mechatronic components to industrial automation things ... university of patras, patras, greece abstract —iot is considered as one of the key enabling technologies for the fourth industrial revolution, that is known as industry 4.0. in this paper, we consider the mechatronic ... domain specific modeling language to automate this **the vivo ontology: enabling networking of scientists** - the vivo ontology: enabling networking of scientists ... vivo ontology is designed with the focus on modeling scientists, publications, resources, grants, locations, and services. it incorporates classes from popular ontologies, such as ... popular upper level ontologies and domain-specific ontologies. for example, by sharing a **ontology based context modeling and reasoning using owl** - ontology (conon) for modeling context in pervasive computing environments, and for supporting logic-based context reasoning. conon provides an upper context ontology that captures general concepts about basic context, and also provides extensibility for adding domain-specific ontology in a hierarchical manner. **a modeling language for activity-oriented composition of ...** - the sas modeling notation relies on a domain ontology that clearly specifies the semantics of the domain entities and their interrelationships. unlike existing low-level service coordination languages (e.g., bpel [3] semantic bpel[4], jopera [5]) and software modeling languages (e.g., uml [6], adl [7]), the language is intended to be usable by ... **promoting model-based definition to establish a complete ...** - language processing, and simulation and modeling. " ontologies can either be domain specific or general. domain specific ontologies model information used in a specific setting, while a general ontology serves several domain-specific ontologies [12]. anderson and vasilakis [12, p. 14] take their definition of an ontology further by stating:

som ,somerville farce ,sonos connect ,somewhere towards the end ,song of susannah the dark tower 6 stephen king ,song album volume voice piano ,songs of tha angels lyrics bob dufford ,sonatina 1959 ,some enchanted waltz a time travel romance seasons of enchantment book 1 ,songs of hank williams jr ,sonrisa laura cuentos infantiles ni c3 b1os a c3 b1os ,somerset maugham a life ,some aspects of bari culture a comparative linguistic and oral tradition reconstruction ,songs that have personification metaphor similes ,solving your script tools and techniques for the playwright ,somewhere over the rainbow noten kostenlos ,something different about dad how to live with your amazing asperger parent ,some facets of king lear essays in prismatic criticism ,solving statics problems in matlab by brian harper ta engineering mechanics statics 6th edition by meriam and kraige by meriam j l author sep 11 2006 paperback ,some boys patty blount ,something borrowed novel emily giffin ,sonata g moll bwv 1020 viola und klavier ,song of the spine ,songs of ireland 100 most popular irish songs ,somewhere in the ocean ,solving statics problems in mathcad by brian harper ta engineering mechanics statics 6th edition by meriam and kraige ,song of the hummingbird ,sometimes a life of love loss and erasure ,somethings fishy hazel green odo hirsch ,son of the mob 2 hollywood hustle ,songwriting methods techniques and clinical applications for music therapy clinicians educators and students ,song and dance vocal selections ,sonographie in der gastroenterologie diagnostik therapie neue methoden ,sonnets 1889 1927 edwin arlington robinson ,some post lab questions frog dissection answers ,songtime kids all new sunday school and bible songs ,someday soon ,some buried caesar nero wolfe mysteries ,songs of rabindranath tagore ,song larkspur mountain markham robert thomas ,song of farewell catholic funeral ,someone knows my name ,someone alice mcdermott ,sombras de lo sagrado ,solving the mystery of the biblical flood ,sonia tlev avis top body challenge mon avis sur le top ,song heart trumpet piano eric ewazen ,songs for the soul love ,sonia tlev top body challenge ,song of redemption lyrics ,someone at a distance dorothy whipple ,something from the night side ,solving right triangles worksheet answers ,song sung blue sheet music by neil diamond lyrics book mediafile free file sharing ,somebodys heroes raley karma ,song of katy perry the one that got away ,solving system of equations in three variables using substitution ,songs of the 40s trumpet ,songs slang british soldier 1914 1918 third ,somatic fictions imagining illness in victorian culture ,sonatas screams and silence music and sound in the films of ingmar bergman ,sonosite 180 plus ,some keep the sabbath going to church 236 by emily ,sonorama dr alderete ,sonnet 60 ap multiple choice answers ,something blue emily giffin ,song of the holy land ,song god ondi ahman azrael ,songs house pilgrimage biography mystic ,songbirds phonics level trunk skunk ,song lyrics hunchback of notre dame fpx ,solving the puzzle of mystery syndromes are your amalgam

fillings the missing piece ,songs of supplication ,songs of the 40s cello ,someone was watching ,some topics in algebra an advanced undergraduate course at pku ,songs of the dying earth stories in honour jack vance george rr martin ,songs of mortals dialogues of the gods music and theatre in seventeenth century spain ,some like it hot ,some families of revolutionary war patriots from virginia maryland pennsylvania south carolina and kentucky duncan miller coulter fleming pomeroy junkin harned galloway hartley weatherholt crawford mason pate moorman adams lewis johnston clark walker martin reynolds head long seaton kenner ,sonalika tractor spare parts catalogue book mediafile free file sharing ,song roland penguin classics new edition ,songs of the serbian people from the collections of vuk karadzic pitt russian east european ,song nightingale french fiona ,song of the seasons ,songs by victor mass 1822 1884 including chants bretons 1853 and songs by georges bizet 1838 1875 including feuilles dalbum 1867 004 romantic french song 1830 1870 series ,sommerville software engineering pearson education 8th edition ,sonnet 90 ap multiple choice answers ,songs zion michael bushell crown covenant ,sonatas 6 op 1 piano ,songbook caetano veloso vol 1 ,songs of the armed forces a medley for piano duet sheet recital suite ,sonny rollins st thomas sheet music notes chords ,som architecture skidmore owings merrill 1984 1996 ,someone s sending from my email address how ask leo ,somers v somers ,sonovision l ise lance les world masters of projection ,some like it wild a wild ones novel ,sonnet 18 student activity answers

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