



Technology Forum 2014

27 Ιουνίου 2014

ΕΚΕΤΑ, Θεσσαλονίκη

Έντυπο περίληψης

Εταιρία/Φορέας: DOTSOFT A.E.
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Τίτλος παρουσίασης: JINX: a modern and robust development framework
Keywords: Software development, integrated solutions

Περίληψη Τεχνολογίας (περίπου 150 λέξεις):

Στην **DOTSOFT** η τεχνογνωσία μας είναι αποτέλεσμα χρόνων έρευνας και πειραματισμού σε διάφορες πλατφόρμες. Ακόμη και σήμερα σημαντικό μέρος των πόρων της εταιρείας είναι αφιερωμένο στην έρευνα και ανάπτυξη νέων τεχνολογιών και εφαρμογών, οι οποίες μπορούν να αξιοποιηθούν εμπορικά ή σαν εργαλεία για την ανάπτυξη ακόμη μεγαλύτερων εφαρμογών.

JINX is a modern and robust development framework created by DOTSOFT, that was built based on open source technologies like PHP, MySQL, Not-ORM, Monolog and Mustache. It adopts the Model-View-Controller (MVC) pattern, aiming to separate three different aspects of the GUI: the data (model), the visual representation of the data (view), and the interface between the view and the model (controller), so that each aspect can work separately and be modified without affecting the others.

JINX consists of a number of independent building blocks, each of which is responsible for a specific purpose. JINX has very robust and reliable finite state based workflow engine that allows to define different processes for different user types and support role-based access to specific form fields. The workflow engine offers a configurable way to create secure web forms that can be used to guide users through pre-configured processes in a secure manner. JINX supports automatic database schema generation based on simple configurations and has built-in data mapping mechanisms that support ORM-like functionality for easy, fast and secure database communication. These mechanisms also include automatic data loading upon request in order to improve performance.

JINX provides tools for:

- Authentication and authorization, to prevent unauthorized access to restricted areas.
- Automatic form generation and validation based on simple configurations.
- Security, by providing tools to prevent attacks such as SQL injection, cross-site scripting (XSS), cross-site request forgery (CSRF), and cookie hijacking.
- Logging.
- Internationalization (I18N) and localization (L10N).
- Event-driven functionality, for performing actions when specific events are triggered.

Σε ποιον/ποιους από τους ακόλουθους κλάδους της οικονομίας μπορεί να εφαρμοστεί η προτεινόμενη τεχνολογία ;	Σημειώστε με X
Δημιουργική βιομηχανία	
Ενέργεια	
Μεταφορές & Logistics	
Νέα Υλικά	
Περιβάλλον & Βιώσιμη Ανάπτυξη	
Πρωτογενής παραγωγή, Τρόφιμα, Αγροβιοτεχνολογία	
Τουρισμός, Πολιτισμός	
Τεχνολογίες Πληροφορικής & Επικοινωνιών	x
Άλλος (αναφέρατε)	
Σε ποια από τις ακόλουθες ευρύτερες τεχνολογίες (που αντιστοιχούν στον ευρωπαϊκό πρόγραμμα για την έρευνα «Ορίζοντας 2020») εντάσσεται η προτεινόμενη τεχνολογία;	Σημειώστε με X
Content technologies and information management (Big Data and Open Data technologies, Machine translation, Tools for creative content, media and knowledge industries, Multimodal and Natural Computer Interaction)	x
Future Internet (Future networks [Smart Networks and novel Internet Architecture, Smart optical and wireless network technologies], Advanced network and service infrastructure focusing on 5G, Cloud computing, Innovative tools and methods for software development, Experimental platforms, Collective Awareness platforms, Web Entrepreneurship (WE))	
ICT Cross-cutting activities (Internet of things, Digital SSH, Cybersecurity, International Collaboration, Horizontal Support to Innovation)	x
Robotics and smart spaces (Roadmap-based research in robotics)	
Factories of the Future (Process optimization of manufacturing assets, ICT-enabled modelling, simulation, analytics and forecasting technologies, Innovation for Manufacturing SMEs)	
Smart, green and integrated transport (Mobile Services for Intelligent Transport Systems, ICT for smart logistics, Digital infrastructures for transport and mobility)	
Health, demographic change & wellbeing (ICT solutions for older people with cognitive impairments, robotics in support of active and independent living, ICT solutions for integrated care, Digital representation of health data, adoption of a clinical and reference information model for eHealth, Semantic interoperability of electronic prescriptions, ePrescriptions)	
Secure, clean and efficient energy (Energy efficient building via interoperability of ICT tools, Smart Electricity Grids, Smart cities and communities)	
Secure societies (Access Control, Secure Information Sharing, Trust eServices, ICT in Critical Infrastructure Protection)	x
Inclusive, innovative and reflective societies (Preservation of digital art, ecosystem of digital cultural assets, ICT tools and services for learning and teaching, Digital Social Platforms, emerging ICT technologies in the public sector, eParticipation in open government, M-Government)	x
e-Infrastructures (Data-centric science and engineering, Computational infrastructure, GÉANT)	
Components & Systems (Cyber-Physical Systems (CPS), Smart Miniaturized Electronic Systems)	
Advanced Computing (Customised and low-power computing)	

Ημερομηνία λήξης για την υποβολή περιλήψεων είναι: 28 Απριλίου 2014.

Παρακαλούμε να αποσταλεί η περίληψη στο e-mail: sepve@sepve.org.gr

**Υπό την αιγίδα
της Γενικής Γραμματείας Έρευνας και Τεχνολογίας**

