

KURZE PREVIEW: MAGENTO 2

Fabian Blechschmidt, Certified Magento Developer
BEPHPUG.de, 6. März 2012

The screenshot displays a Magento 2 demo store homepage with a dark blue header. The header includes the Magento logo and 'Demo Store' text on the left, a search bar with the text 'Search entire store here...' and a 'Search' button on the right, and a 'Default welcome msg!' with navigation links for 'My Account', 'My Wishlist', 'My Cart', 'Checkout', and 'Log In'. Below the header is a navigation menu with 'Furniture', 'Electronics', and 'Apparel' categories. The main content area features several promotional banners and product listings. On the left, there is a banner for 'Anashria' sandals with a '20% OFF' tag. In the center, a large banner announces an 'end of summer SALE!!' starting September 1st, with sub-banners for 'ELECTRONICS' (20% OFF), 'MEN'S SHOES' (15% OFF), and 'APPLIANCES' (10% OFF). To the right, there are utility boxes for 'MY CART' (empty), 'COMPARE PRODUCTS' (empty), and a 'Did you know?' section about 24/7 customer service with a '(800) DEMO-NUMBER' and an image of a dog. Below these are 'Best Selling Products' including a Canon REBEL camera (starting at \$499), a Sony VAIO laptop, a Nine West women's shoe, an Olympus digital camera, and an Acer Ferrari laptop. A 'POPULAR TAGS' section lists various product categories. At the bottom right, a 'BACK TO SCHOOL' banner promotes special items and savings.

TECHNIK VS. BUZZ

- Was ist das Ziel von Magento?
- Was ist bereits passiert?

GOALS

- Clear Processes and Transparency
- Improved Product Quality
- Improved Product Performance and Scalability
- Improved Product Security
- Truly Modular Product
- Improved Web API
- Support of Different DBMS's
- Simplified Customization Process
- Improved Multiple Languages Support
- Decreased Learning Curve

CLEAR PROCESSES AND TRANSPARENCY

- clear roadmap
 - konnte keine finden
- public code repository
 - <https://github.com/magento/magento2>

CLEAR PROCESSES AND TRANSPARENCY

- Jira: <https://jira.magento.com> - damn, I've got no credentials
- Bamboo: <https://bamboo.magento.com/> – damn, I've got no credentials
- Confluence: <https://wiki.magento.com> – yeah, I see something, though the access to a lot of documents is restricted
- Crucible: <https://crucible.magento.com/> – nothing there
- Fisheye: <https://fisheye.magento.com/> – ah, there is also crucible, but: damn, I've got no credentials

IMPROVED PRODUCT QUALITY

- Buzz bla Blabla
- Methods and techniques for ensuring product quality must be clearly determined.
- The quality control process must allow for fast, systematic quality monitoring and evaluation.
- The code must meet its design requirements and behave as intended.
- The product upgrade process must be sustainable.

IMPROVED PRODUCT QUALITY

- Magento Tests Automation Framework
- PHPUnit to run about 1000 Selenium testcases

IMPROVED PRODUCT PERFORMANCE AND SCALABILITY

- Magento must allow for collection and analysis of systematic performance metrics.
- Magento must allow for running in shared hosting / virtual private server environments.
- Magento must perform as well as or better than similar products available on the market.
- Major online shopping activity scenarios must be optimized in terms of performance.
- On a similar feature set, the new version must perform as well as or better than the previous version.
- Magento must be easy to scale.
- Multiple instances (multiple installations) must be able to run off a single code base.

IMPROVED PRODUCT PERFORMANCE AND SCALABILITY

- schneller
 - als jetzt (aktueller Stand: 20% schneller!)
 - als die Konkurrenz
- Skalierbar
- auf einer Codebasis mehrere Installationen
- auch auf V-Server möglich

IMPROVED PRODUCT SECURITY

- Magento must not be affected by any vulnerability from the current OWASP Top 10 Web Vulnerabilities list.
- All input from the client or environment must be properly validated on the server side.
- All input from the client or environment must conform to established parameters of business rules on the server side.

TRULY MODULAR PRODUCT

- Each module must have a defined and documented API.
- Independent modules must not have logical dependencies.
- Disabling or removing any module must not cause unexpected product behavior.
- Loose code coupling principles must be followed.
- The number of modules installed must not add performance overhead in places where they are not involved in code execution.

IMPROVED WEB API

- SOAP API must be implemented for every module.
- XML-RPC API must be implemented for every module.
- JSON-RPC API must be implemented for every module.

SUPPORT OF DIFFERENT DBMS'S

- Operations on data that involve working with a database must be clearly separated between vendor-specific adapters and generic DBMS layers.
- Magento must be compatible and optimized to work with MySQL.
- Magento must be compatible and optimized to work with Oracle.
- Magento must be compatible and optimized to work with Microsoft SQL Server.
- Magento must be compatible and optimized to work with Postgre SQL.

SIMPLIFIED CUSTOMIZATION PROCESS

- Magento must allow for the introduction of new functionality.
- Magento must allow for customization of existing functionality.
- Magento must allow existing functionality to be replaced or disabled without "breaking" the product.
- Backwards compatibility on the module and classes API level must be maintained within a major version.

IMPROVED MULTIPLE LANGUAGES SUPPORT

- Magento 2 must have a simple and easily maintainable way to support multiple languages for data entry.
- Magento 2 must have a simple and easily maintainable way to support multiple languages for system translations.

DECREASED LEARNING CURVE

- Code must be documented according to the PHPDoc standard.
- The Classes API must be strict and described well.
- Template coding standards must be followed.
- Each module must provide a corresponding section for the Magento User Manual
- The documentation process must be integrated with the development process.

QUELLE

- <https://wiki.magento.com/display/MAGE2PROJECT/Goals>
- <http://www.avs-webentwicklung.de/nc/blog/artikel/details-zu-magento-2.html>
- <http://dimitrigatowski.com/2012/03/04/magento-and-ebay-9-months-later/>