

PROJECT MAGENTO 2 MODULE DEVELOPMENT

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Introduction

The project was done at the world leading Magento agency Vaimo and it centred upon the open-source ecommerce platform Magento 2. The project consisted of development and integrations of modules for online stores of Vaimo's clients. Magento 2 uses module-based architecture which allows for extensive customisation.



FIGURE 1. Vaimo Logo

Objectives

The object of the project was to bring added value for the online stores through design and implementation of ordered features. The most extensive tasks of the project were done for the furniture e-commerce site Veke. The tasks were: design and implementation of a shareable shopping cart module, integration and customisation of Yotpo Reviews module and integration of Klarna payment system and checkout.

Methods

Magento 2 is written in PHP, but also uses HTML, CSS, JavaScript and XML. It applies the conventions of object-oriented programming and model–view–controller architecture. The local development of the ecommerce sites and modules was managed through virtualized development environments with the virtual machine manager Vagrant. The programming was done with PhpStorm coupled with Xdebug debugger extension.

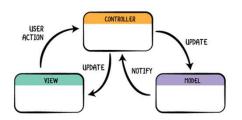


FIGURE 2. MVC Diagram

Magento employs the MySQL database relational management entitysystem and uses the attribute-value model to store data. The databases were managed with Sequel Pro. For version controlling the projects and modules were stored in Bitbucket repositories with the aid of revision-control tool Mercurial.

Results

The shareable shopping cart feature has been published on the live site of Veke and is being actively used by the customers on a daily basis. Magento's default reviews module was replaced with the Yotpo Reviews module for the added benefits of its advanced features. Integration of the Klarna payment system and checkout is mostly finished as well but is currently put on hold because of measures needed to be done on client's end.



FIGURE 3. Magento Logo

Conclusions

The project was highly rewarding with the features being already published for the use of customers. From a personal standpoint, however, the highlight of the project was the rapid growth of expertise through overcoming a steep learning curve.

Company-Oriented Product Development Project For Vaimo

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