Project Idea :

To expose restful API's for circulation functions within Koha and develop an AJAX web application to utilize those newly created API's. Submit those API's using Git version control to the free and open source software community. Using standard FOSS process for vetting code through sign-off, quality assurance, and final acceptance into master branch of Koha. Team members will be included in the history documents of Koha and will be part of the large FOSS project and listed as a contributor.

Key Languages/Technologies to be used:

Perl
SQL (DBIx::Class)
Javascript (jQuery and Angular.js)
HTML5
CSS3

Location:
Students work can be completed from campus or any group work environment the team finds most conductive. Communication will be virtual, we feel that is important since development/technology companies are moving to this format, so this will also provide some useful skills for future work. This will be similar to ByWater Solutions, since we operate a virtual "office". The main methods of communication that will be used are IRC(chat), video conferencing, webinar technology, and sharing screens. At a minimum there will be one weekly conference discussion.

About Koha:
Koha is the first open-source Integrated Library System (ILS). In use worldwide, its development is steered by a growing community of libraries collaborating to achieve their technology goals. Koha's impressive feature set continues to evolve and expand to meet the needs of its user base. It includes modules for circulation, cataloging, acquisitions, serials, reserves, patron management, branch relationships, and more.

Koha is in use by over 5000 libraries worldwide, including all 1178 public libraries in Turkey. Code the students contribute will be used by 10s of thousands of users around the world.

Koha's OPAC, circulation, management and self-checkout interfaces are all based on standards-compliant World Wide Web technologies-XHTML, CSS and Javascript-making Koha a truly platform-independent solution. Koha is distributed under the open-source General Public License(GPL). For more information about Koha, please visit: http://koha-community.org/

About ByWater Solutions:
ByWater Solutions is a full service, high quality support and implementation company dedicated to providing libraries with a lower cost, more advanced level of support for their ILS than a traditional proprietary solution can offer. ByWater Solutions has a proven track record in first rate Koha implementation and support with library systems of all sizes. Our highly ranked, comprehensive support is what sets our company apart from any other vendor in the industry. Partnering with ByWater Solutions to support Koha not only lowers the cost of implementing and maintaining an ILS, but more importantly empowers libraries by giving them the flexibility and freedom they deserve. For more information please visit: http://bywatersolutions.com/