

Subject:

Development of a Technical Web Forum

Supervisor / Lecturer:

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Nowadays technical web forums are very suitable to assist owners and users of products in order to give technical support. Requirements for such software applications are e.g. suitable scope of the accessible information, updated knowledge on existing problems and good usability.

In Vietnam scooters and small motorcycles are the main means of transport. As far as known repair and maintenance is mainly organized by small service shops. A powerful application to support these shops or private users for self-assistance with information on technical problems, spare parts etc. doesn't exist and would be helpful. During the project time small teams of students shall develop a web-based application as a web forum which should include the following main functions:

- a sign-on procedure and storage of user name and password,
- search functions to browse diverse information diverse subjects e.g. technical problems, recommendations to the solution of repair problems),
- connection to an easy web database which should not be accessed by SQL commands.
- graphical user interface (GUI) with integration of images and small video clips.

Detailed information on the scope and functionality of the software will be given during the project time.

All parts of the application should be realized by open source software. The choice of programming tools etc. can be proposed by the project teams with agreement of the lecturer.

The whole group of students will be divided into several teams. In each team one team member will be nominated as "Team Leader" for the reason of better communication with the lecturer. The team leader has no special rights and has to perform in the same way than the other team members.

Goals of the project work are:

1. Application and consolidation of design and programming skills.
2. Building up knowledge on project management, team work and communication skills.
3. Learn how to write a scientific report (to prepare for the later bachelor thesis).

Expected results of the project work are:

1. Generation of an executable web application,
2. Scientific report in which the process of the software development and the results are documented,
3. Presentation (ppt) on the results of the project work.

The evaluation of the results by the lecturer will refer to all three results (software, report and presentation). Parts of the scientific report which have been created by a particular student should be marked with the name of this student.