A Social Networking and Virtual Community Website for a Swim Team using Joomla

Project Requirements Document
Version 1.0

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1. Introduction
This project is designed to emphasize the innovation use of advanced software technologies and pragmatic application of software engineering best practices.

2. Description
This Project uses an Open Source Content Management and Virtual Community environment called Joomla (www.joomla.org) to build a social networking and virtual community website for a Swim team. The site will provide basic functionally found in a typical Web 2.0 environment.

3. Requirements
The virtual community system must be able to satisfy the following requirements for a Swim team (Space City Aquatic Swim Team) with 100+ members:

3.1 Functional Requirements
Version 1
1. The System contains the following basic functionalities
   - The Capability for subscribers to create an account
   - The Capability to rate all content on the website
   - The Capability upload Video and pictures
   - The Capability to have blogs and Chat sessions.
   - For a non-technical person to update website content
   - The Capability to have RSS based news feeds
   - The Capability to have Google Maps for Swim meet directions

4. Design/Implementation Constraints
The project team will design and build the virtual community system for a web-based platform using the following open source development tools:
   - The system shall use Joomla 1.5 or Joomla 1.0.12 to build the site.
   - This system can be installed on a hosted site having the following,
     - Apache 1.3
     - MySQL 4.0.24
- PHP 4.3.11
- The system will also use the following Joomla plugins
  - Community Builder 1.0.2 – for social networking framework
  - JoomlaBoard 1.1.5.2 – for from features
  - Slick RSS 1.4 – for Swim related news
  - AllVideo 2.4 – for video content
  - JReview – for Reviews and ratings of content
  - Google Map plugins – For Maps
- An open source UML tool (TBD) for analysis & design specifications

5. **Project Deliverables:**

   The following are the three deliverable phases:

5.1 **Phase 1:**

   *Analyze and Prototype* The project team will provide the following: Software Design Specification draft that includes a UML 2.0 analysis model, and a working prototype of the Virtual Community software.

5.2 **Phase 2:**

   *Design and Build Beta* The project team will provide the following deliverables: Software Design Specification final that includes a UML 2.0 design model and a beta version of the virtual community software.

5.3 **Phase 3:**

   *Test and Deliver GA* Product Test Suite specified using UML 2.0 Sequence Diagrams and implemented in programming/scripting language of choice; final GA (General Availability) version of the Virtual Community software version 1.0.