**Project proposal**

The DIY network is an up and coming Canadian television channel that dedicated to demonstrating personal house hold projects. The channel is looking to increase its reach on its audience by providing an online repository of projects to its viewers. The DIY network is known for providing a range of project ideas for its viewers at home. The proposed web site will be a Content management system with the goal of sharing DIY projects with anyone interested in being creative and/or saving a bit of money around the house. However the DIY network doesn’t want the responsibility of constantly providing new content for the sites users. The company has decide to go with a user provided content model. However the network has agreed to provide the initial projects available to users at the sites launch.

The Site will consist of user entries called “Projects”. Entries will be user submitted with pictures and a step by step instructions to guide other users when working on their own DIY jobs. Users will have the option of being able to register in order to post content and comment on projects. Casual users can browse the collection of projects and view any one that they wish. Each project will be categorised by the area that they are focused such as kitchen, bathroom, work shop etc. Each entry will also have space for user comments at the bottom of each project. Comments will consist of the commenters name, a profile picture, and a link to a list of that users submitted projects.

Non-authenticated

* Non-authenticated users can browse the list of available projects.
* Non-authenticated users can browse the list of projects by category
* Non-authenticated users will be able to search for projects by name.

Authenticated Users

* Authenticated users will be able to create new projects
* Authenticated users will be able to view their all of their own projects
* Authenticated users will be able to modify or delete any of their own projects.
* Authenticated users will be able to comment on posted projects.

Data base

The data base being will consist of 5 tables using PhpMyadmin. Using an open source database structure will reduce the overall cost of the site. The simple interface of this database will make regular maintenance easier when brining new people in to the team.

A list of the tables and a description of their contents are as follows:

* **Users table** will contain columns for the UserId and Usernames. This table will store all of the Authenticated users. The user table will have a one – many relationship with the Comments table. One user can leave multiple comments.
* **Comments Table:** will contain columns for the CommentId, UserId, PageId and comments. This table will contain the users’ comments and a reference to the tables they are placed in. The comment table will have a one – many relationship with the Projects table. One project can have many comments.
* **Category Table:** will contain columns for the CataoryID and the description. This simple table will store the type of project categories. This table will have a one- many relationship with the Project table. A category can have many projects one projects can have only one category.
* **Images Table:** will contain columns for the ImageID, ImagePath , and the ProjectID as a foreign key. This table will have a one - many relationship with the Project table. One project can contain many images.
* **Project Table**: will contain columns for the ProjectID, CatagoryID, UserID, ProjectTitle, ImageID and ProjectsContent . This will be the main table that will contain each project created by the users. It will also solve many of the many to many associations in the database.

The ERD of the proposed Database (might be subject to changes) 