What it is:

A sharing site for images of cats. The images will be sortable by a variety of tags: cat’s coat, color, length, and image genre (funny, cute, etc.). The images can be found with refinable search options. The options would be displayed as check or drop-down boxes. Users will be able to create an account by providing an email (Username) and password. The users will also be able to post and search for images of cats to their liking. (like, follow, friend are potential additions)

Who is it for:

The cite will be for people who want images of cats (don’t we all). Cats are one of the most important parts of early internet culture, and people often find themselves in need of fuzzy stress relief, for those who need a quick pick-me-up.

Why is it needed:

Cats are an integral part of internet culture. Their wide acceptance and broad appeal is great for making quick additions to any conversation. People bond easily over pets and in these uncertain times, what we all need is pleasant social interaction.

**Requirements:**  
**Account Creation**  
- provide valid username and a password of at least 8 characters

**Account Management**- update profile’s password, bio, and following (have/change profile picture?)  
- view and remove past posts on that account

**Posting**- post images, select tags as search terms for the image when they make the post  
- tags will include information relevant to the image (custom tags?)  
- view posts by looking for followed users or by using search tags   
(default to most liked or newest?)  
- like a post, to find it more easily and send virtual validation to the poster  
- follow other users, to easily view a content creator’s posts as they arrive

**Potential Tools**:  
Visual Studio, Name.com, Gimp

**SPMP - MyCat**

By: William Reichert

Graphical user interface, text, application

Description automatically generated  
*Proposed layout*

**PREFACE**

The general purpose of project MyCat is to provide its users with a constant stream of cat images. The website will act like a social media with user accounts, posts, likes, and follows. Pets are one of the easier topics for people to bond over, cats especially so having a place just to share them is beneficial for human interaction.

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**Part 1: Introduction  
1.1 Project Overview** Project MyCat takes a cat-centric approach to social media. As cats have been essential to early and modern internet culture, MyCat takes the cat photo medium to the next level. Entirely focused on cats, the site will offer its users a fun way to share and view cats.

**1.2 Project Deliverables**

The primary objective of the project is to create a working media sharing system. The service will allow its users to log in to the website and post and like images as well as follow other users.  
  
**1.3 Evolution of the SPMP**  
    Changes to the SPMP are anticipated to be found in reference material, definitions, tools, methods, models, organization, and interface. As the project evolves, we are expecting to increase the number of tools, interfaces, methods, definitions, and reference materials. Methods, models, and organization may find some alteration as these additions are made.  
  
**1.4 Reference Materials  
    \*\*\*ADD THINGS AS THEY COME\*\*\*\*  
  
1.5 Definition and Acronyms**MyCat- The proposed name of the social media project

**Part 2: Project Organization**

**2.1 Process Model**

The project will be handled with the spiral process, as this will be most useful for our time and resource limitations. This would mean that we will start with smaller objectives, analyze the potential problems, build the product based around the objectives, and then review our current product and plot its next stage. This process is repeated until the product is finished. It will allow us to continue working and handle issues as they come, as opposed to handling everything at once. Given the small team size and our limited resources, this is our best approach.

**2.2 Organizational Structure**

The individual entirely responsible for the project in all aspects is William Reichert. All management, development, and creative liberties lie under his jurisdiction. Volunteers may assist with beta testing.

**2.3 Organization Interfaces**

The project will be entirely independent. The idea is for the website and database host to be the only parts of the project that are not constructed or assembled by the project team.

**2.4  Project Responsibilities**

All responsibilities are given to William Reichert.

**Part 3: Managerial Process  
3.1 Management Objectives and Priorities**

Ordered objectives are:  
Finding/Making a host site and database  
Setting up the script editor.   
Making/Testing the script  
Creating the site  
Testing the site  
Testing it again  
 **3.2 Assumptions, Dependencies, and Constraints**

Given that the project is managed. There is currently no price estimate but assumed to be approximately $10-20. Dependencies only lie in the host site as well. As it has not been established, the site will have its own requirements and likely require changes to be made if not addressed. Constraints are time, budget, and skill. The limited resources of the ‘team’ are the only constraints.

**3.3 Risk Management**

All problems will be directly addressed by the project manager, William Reichert. Major issues that can not be processed will be documented.

**3.4 Staffing Plan**

William Reichert takes all roles in project management, development, and testing. At his discretion, additional temporary members may be introduced for testing purposes.

**3.5 Monitoring and Controlling Mechanisms**    Issue reports will be handled through team meetings or reported to the GitHub repository.

**Part 4:Technical Process:**

**4.1: Methods, Tools, and Techniques**

The proposed code editor is Visual Studios. The languages used will be HTML, Javascript, and CSS. After the website is usable, it will be added to a domain created at name.com. Gimp will be used for any graphic designs or icons.

The next step for the project is gathering the required software and finding a host site. After that, the plan is to create the skeleton of the website and plan the features. If possible, the project will be tested frequently. The last steps will be a live test with multiple real users to ensure the site works as intended.

**4.2: Software Documentation**

Each step of the process will be personally noted by the project manager. Each addition to the project will call for routine software testing.

**4.3: Project Support Functions**

The project will be tested frequently to deliver a final product with quality assurance. After the project is delivered, its support will be limited to the resources of the team and the success of the project.

**Additional Info:**  
**Software Process**

The project will be handled with the spiral process, as this will be most useful for our time and resource limitations.

**Change Management**

In the unlikely event that the project is altered, the changes will be added to the objective list, given a priority, and handled accordingly.