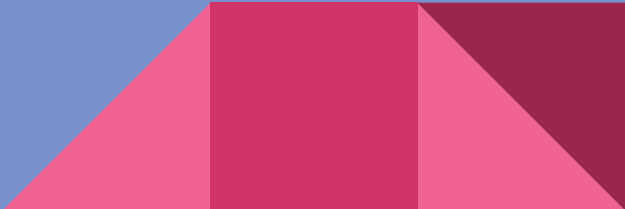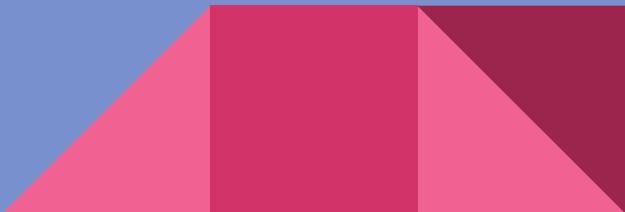# Engineering Gallery

Team NVC: Nicholas Frangos, Vignesh Thyagarajan, Chi-Ho Wong

Problem Statement

- Passionate engineers need a place to showcase their work

  - Both personal and professional projects

- How can we connect the engineers of the world through their similarities and differences?

- How can we benefit the engineering community through this platform?

Product Objective

- Allow engineers to showcase their talent

- Act as a professional portfolio for users to reference

- Serve as a means of inspiration for users viewing content

- Bring creative and clever implementations/creations to the spotlight in a visual manner

Main Features

- Public and private posts showcasing engineering projects
  - Images
  - Text
  - Video

- Easy way of communication between users
  - Comments section
  - Private messaging system
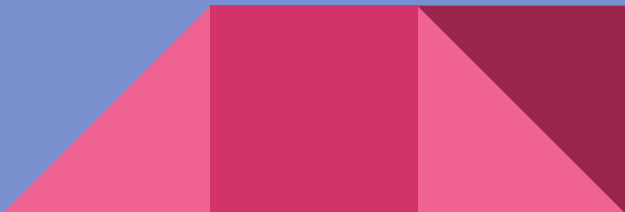 - Endorsement of a project

Main Features (continued)

- Customizable user accounts with easy to share URL
  - Profile picture
  - Profile description
  - Contact information
  - Links to posts

- Standardized tags to categorize projects for easy searching
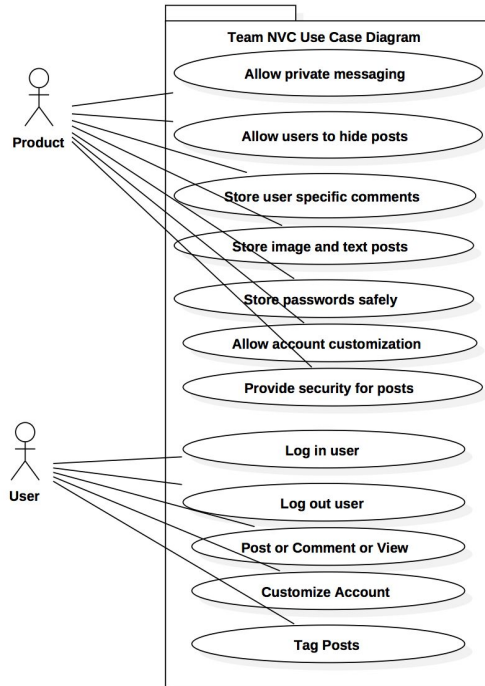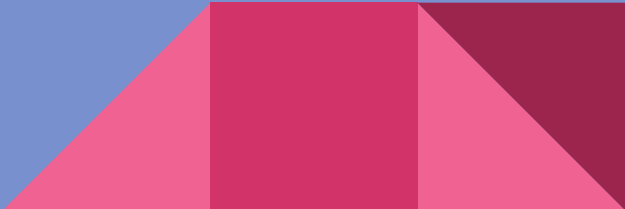 - Checkbox engineering field upon creation

Use Cases

- Allow registered users to post their creations with tags
  - Creating a post requires a post title, explanation of product with a required file upload to the actual project, and tags the user wants to use to promote their products on feeds
- Hide posts from public, have the option to make them private
  - Allows for engineers to keep their projects personal and share with contacts that only the user chooses
- Search for cool projects via tags
  - Field specific tagging allows for people in certain fields to search for what they want to see

Design

Model1::UseCaseDiagram1

Team NVC Use Case Diagram

Product

- Allow private messaging
- Allow users to hide posts
- Store user specific comments
- Store image and text posts
- Store passwords safely
- Allow account customization
- Provide security for posts

User

- Log in user
- Log out user
- Post or Comment or View
- Customize Account
- Tag Posts
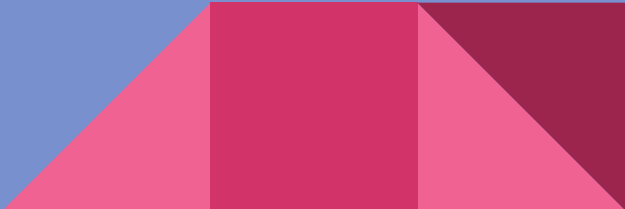
Functional Requirements

1. The product must allow users to set up an account.
2. The product must store images and text from each post in the database.
3. The product must store comments from each user linked to a post in the database.
4. The product must prevent users without permission from modifying posts.
5. The product must allow users to hide their posts/accounts from the public.
6. The product must allow private messaging between users.

Nonfunctional Requirements

1. All users must be logged into an account to post, comment or view posts/accounts.
2. Users must be able to customize their account with their contact info and a bio.
3. Each post must contain a tag linking it to an engineering field.
4. Private posts and accounts must only allow whitelisted users access.
5. The product must store passwords securely in a hashtable.

Screenshots

New User

Password

Email

Create User

Back

New Article

Title

Post

User

Create Article

Back

Screenshots

Welcome to the TEAM NVC Articles Page

Feel free to post and comment!

Title	Post	User			
Rails is awesome!	Yes it is.	1	Show	Edit	Destroy
Test post please ignore.	Please ignore this post.	2	Show	Edit	Destroy
This is post #3	Yes this is indeed 3.	3	Show	Edit	Destroy

Post a New Article
View Users

Article Title: Rails is awesome!

Post: Yes it is.

By User: 1

Comments

Commenter: 1

Comment: This is a comment.

Add a Comment:

Commenter

Body

Create Comment

Edit | Back

Questions?