Engineering Gallery

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The Product

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
MVC Architecture

Model
- Model to take and store data from users like login details, profile details
- Model to process data/projects posted in the form of images, videos, text, audio
- Model for commenting on posts and being able to like/share posts
- Model for tagging posts, making them subject specific, etc.

View
- View that displays homepage; page with a form to create an account or login
- View that displays user profile, etc.
- View that allows for posting, title of post, description of post, and any attachments of the post
- View to see other users posts in a news-feed like page, make comments

Controller
- Controller to help output user data to the view after it has been posted
- Controller to help log the user in after they enter their details
- Controller to publish posts and sort by tag
UML Class Diagram
UML Sequence Diagram

*Create Project Post* → *Post View* → *Title, Description, Attachment Fields* → *Database*

1. select
2. display various fields
3. enter required info
4. display and confirm
5. set text, etc.
6. store info
Entity Relationship Diagram (ER)
Relational Schema