**Problem Definition**

**Topic: Depression in creating art**

**Background:**

Creativity is a crucial part of an artists life as it is the engine that keeps them motivated and focused during long painting sessions.However,even though creativity might be seen as a powerful tool that lead to success,it also might become a wall that kills the artist.Based on an article by Tanner(2013),in order to be creative, rumination is required and this is agreed by many psychologists and psychiatrists to be the source of depression in artists.In addition,Tanner also states that rumination a process that demands logical/connective thinking in order to sculpt/combine small details and “Creatives naturally tend to think more, and think about their every thoughts too”.Due to this,it is stated that those who ruminate tends to be impacted by pain and suffering more often, because artists is a group that gravitate towards stressful events from time to time.Fortunately, there are methods for alleviate depression,one of it is socializing.According to Nuacht UCD(2012),the more socializing ones become the more likely the person’s self-esteem is rebuilt,which possibly implies the growth in having healthy and positive relationships.

(Tanner)https://creativesomething.net/post/55508909341/the-link-between-depression-and-creativity-and

(Nuacht)https://www.ucd.ie/news/2012/06JUN12/130612-Socialising-helps-to-alleviate-symptoms-of-depression.html

**Problem statement:**

Artists tend to have deep thoughts while working on artworks.Nonetheless,this could leads self-isolation due to lack of socializing because of long hours of work.In addition, this is an act of rumination, which is agreed by psychologists and psychiatrists to be the cause of depression because not only do artists have to loop through an experience again and again due to deep thinking,they also might not be able to share to those experiences to anyone because of self-isolation.

**Aims:**

This project aims to aid artist in easing the looping cycle of thoughts in artists due to rumination and creating a platform where artists can socialize with each other while still be able to work simultaneously.Because of this, the goal of the project to is to create a platform where artists can interact with each other through socializing and painting,the project can be a great source of inspiration and entertainment for artist as this can act as a meeting for artist to come to paint and have conversation with each other.

**Objectives:**

* Design an application for sharing artworks
* Design a gallery system for displaying artworks that can be viewed by users(artists)
* Design a chatting platform for artists to come for chatting and painting
* Design canvas and brush systems with UI and functionality that artists are familiar with
* Research on similar products,evaluate their pros and cons
* Do literature review on work relate to Depression, socialization for artist
* Derive from the research the methods, algorithms and techniques need to be applied to and what can be improved on the project based on other similar projects
* Decide on what tool/languages/framework to use for implementation
* Decide which DBMS to use for implementation

**Methodology:**

* Do research on canvas and brush system for web application
* Derive requirement for the app
* Design class diagram for the app
* Design the UI for app
* Design the model for the back-end
* Implement the front-end
* Creating models and views for back-end(Django)
* Link back-end and front end
* Test
* Iterate

**Project Milestone:**

* Requirement list and diagrams for Canvas chatroom part and sharing artwork part (12 OC)
* Initial version of Front-end with dummy data (19 OC)
* Prototype 1(MVP)(2 NOV)
* Initial version of Back-end(17 NOV)
* Literature review(23 Nov)
* Improve front end(30/11)
* Prototype 2 (1 DEC)

**Requirement skills:**

* ReactJS
* Django
* Mysql
* ReactJs io or web socket
* Mysql Server
* Socket.io
* React-pressure

**MVP:**

* A prototype that has a canvas and allows many users to draw on it simultaneously in realtime
* A survey about an online Canvas on google survey
* A survey about having a sharing platform being implemented into the above Canvas app.

**Plan:**

**https://trello.com/b/OKoIBHZT/artnote**