



Project Milestone 2

Team Number: 111

Team Name: Triple 1.0

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Application Name: RDraw

1. Project Features List

- Drawing
 - Shared drawing space for 2 people
 - Ability to draw a certain # of colors (color wheel or RGB sliders)
- Ratings
 - Ability to rate the drawing collectively
- Connecting users
 - Either based on mood or randomly will pair two users together
- Chat
 - Simple chat that allows users to send text messages to each other
 - Maybe emotes
- Exporting a final image to save locally
 - Choice to save the artwork you created.
 - Save as a JPEG
- User profiles
 - Separate user accounts similar to a social media site
 - Use a database to store these
- Bug Report
 - Ability to report an issue/error if it arises
- User Management
 - Block or unblock fellow users

2. Requirements

Feature Name	Functional Requirement	Non-Functional Requirement
Connecting Users	The system must match the user randomly with another user online and notify the user when they are matched.	Users can click to connect with a user either based on mood or leave it up to complete randomness. The selection will prioritize time and will pair user's random if no mood matches
Drawing	The system must allow for both users to draw a picture at the same time with minimal delay time. Software will allow users to choose between multiple web safe color values.	Select color and map to your mouse to draw on the empty canvas. No eraser will be provided, once the drawing is done, you will have the option to save or be paired again.

Ratings	User should be able to rate the collective drawing based on a predefined scale	During or after the drawing, both users will be able to select a value in some given scale to rate the drawing, and this will be stored in a database.
Chat	The system will allow users to send messages to each other inside a chat box	This will be done by giving the user a text box, and after pressing “send” the message will be sent to the connected user over a server.
Exporting a final image to save locally	User will be able to export finished drawings to a local machine as a JPEG file type.	The image will be captured from the canvas to the user who selects to save it - both users will have the option to save it.
User Profile	User will be able to set a username and password and save user ratings.	The system will prompt the user to either make a new account or log in to a previously made account. Each account will have an associated rating from other users as part of the drawing experience.

3. Project Plan

