

INTR-37 User can use multi user canvas (for drawing, changing pen colors, and erasing)

User Story Name:  **INTR-37** - User can use multi user canvas (for drawing, changing pen colors, and erasing) DONE

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Project: Interactive Table

Product Owner(s): [Hadi Alhaffar](#)

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Description

As a User I would like to draw in different colors and erase on a multi user canvas **so that** I can see other user's drawings and they can see mine allowing for a collaborative space.

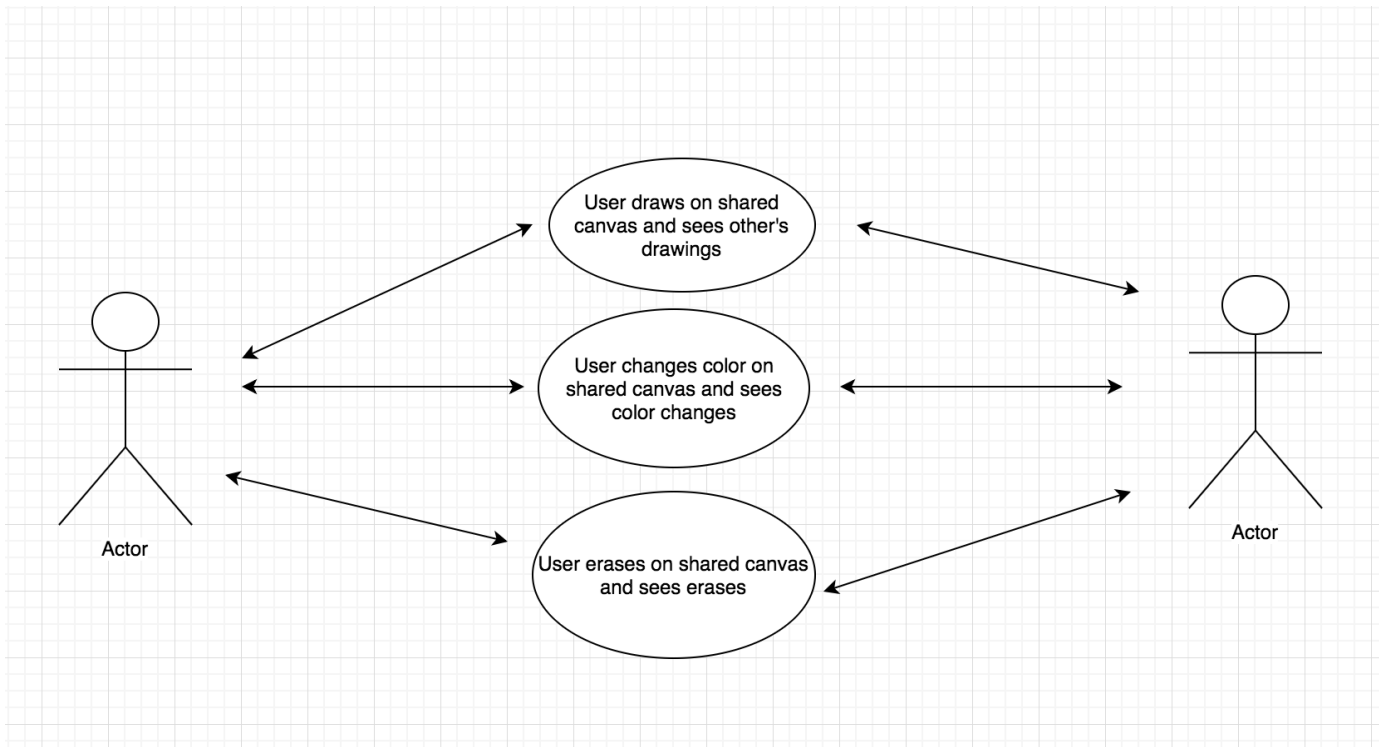
Acceptance Criteria:

- User will be able to draw, change pen colors, and erase on the shared canvas
- All users will see all drawings in their respective colors from all other users in real time
- When a user erases it will be reflected on all user's shared canvases

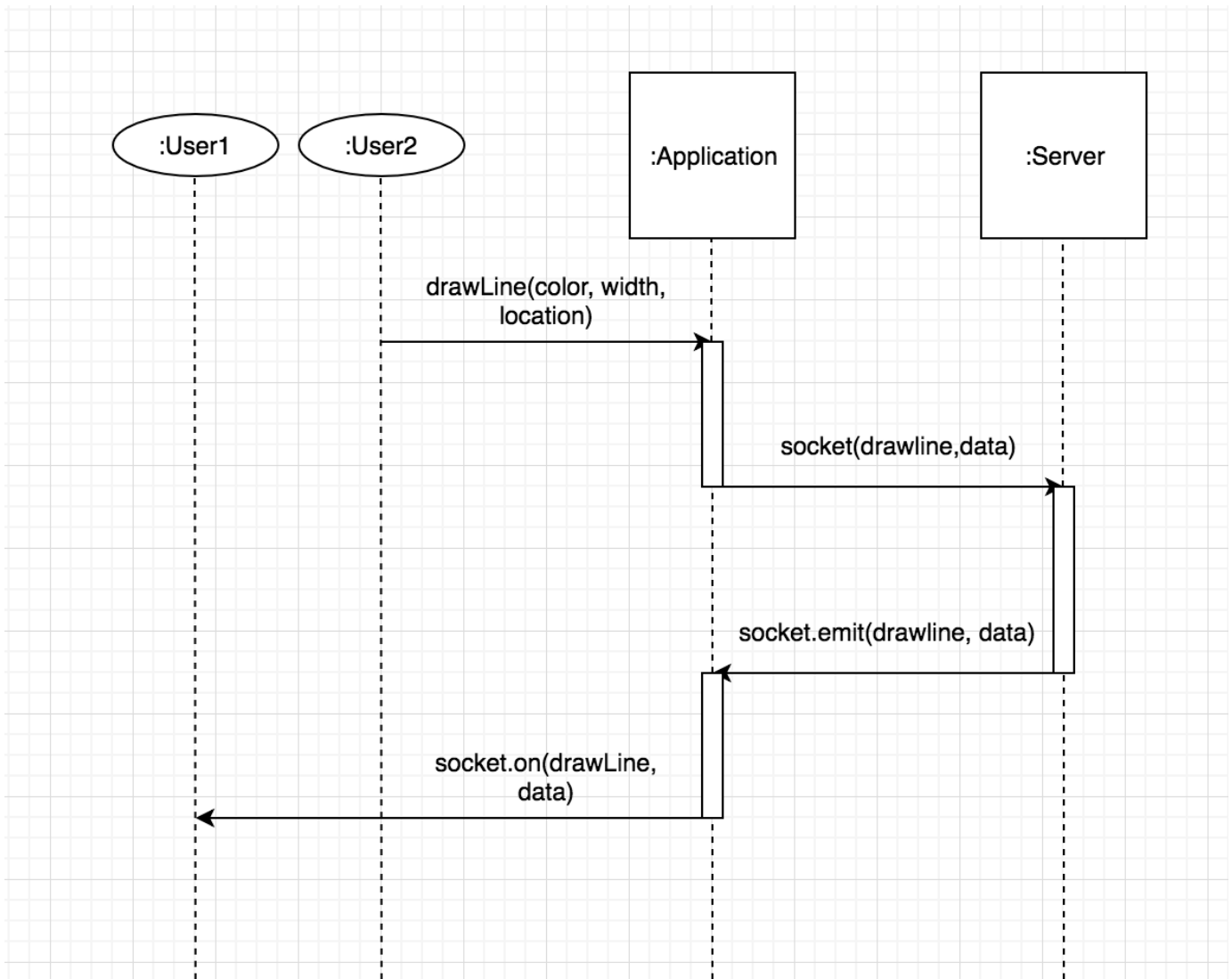
Use Case

- Name: User can draw on multi user canvas
- Actor: User1 , User2
- Preconditions: Users are on the shared canvas
- Description:
 - User 1 or 2 draws on canvas
 - All users see the drawing
- Name: User can change pens on multi user canvas
- Actor: User1 , User2
- Preconditions: Users are on the shared canvas
- Description:
 - User 1(or 2) selects the pen tool
 - User 1 selects a color
 - All users see user 1's next drawings the color they selected
- Name: User can erase on multi user canvas
- Actor: User1 , User2
- Preconditions: Users are on the shared canvas
- Description:
 - Users draw on shared canvas
 - User 1(or 2) selects the pen tool menu
 - User 1 selects the eraser button
 - User 1 erases on the shared canvas
 - All users see the erasing

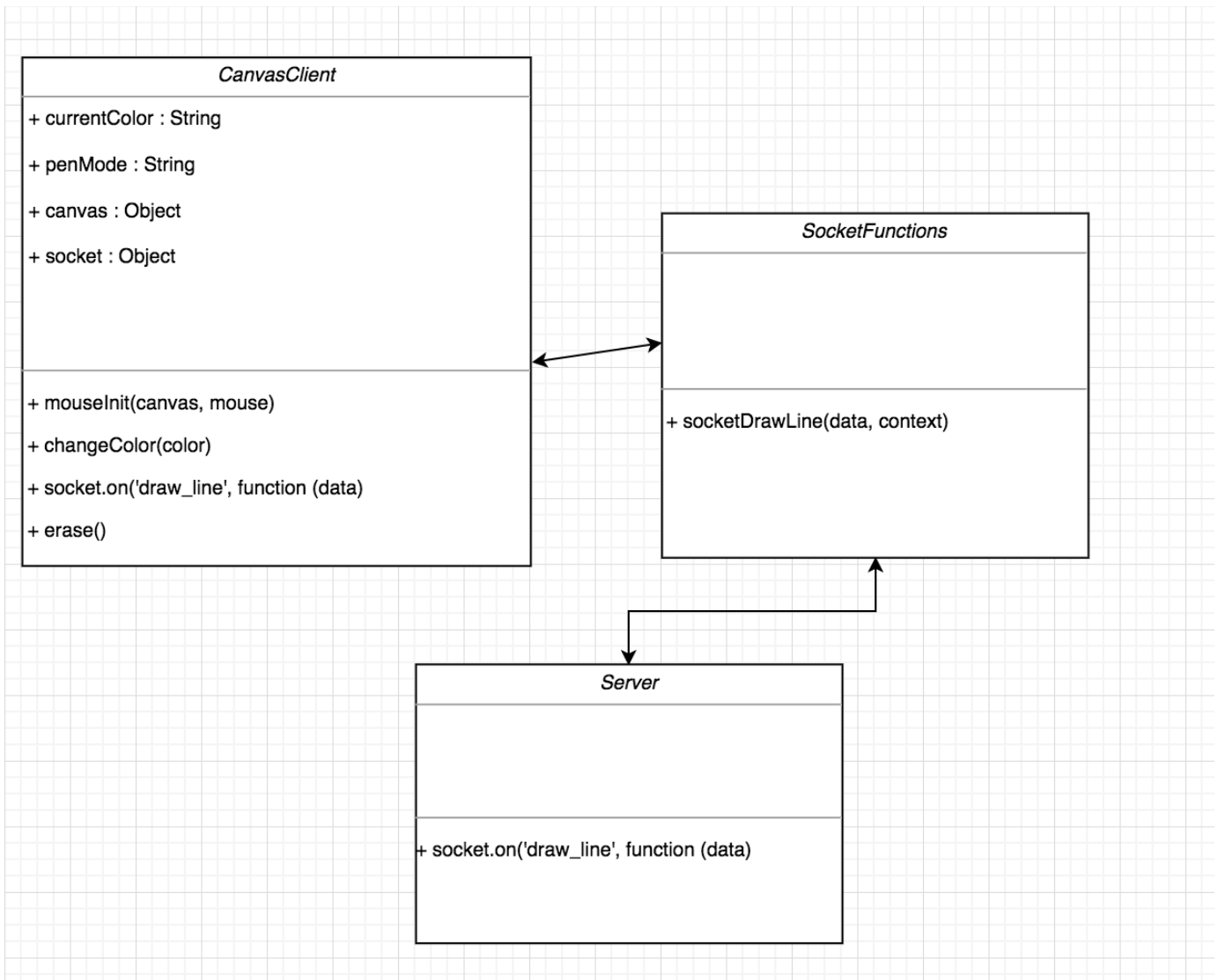
Use Case Diagram



Sequence Diagram



Class Diagram



Test

- Test case ID:10
- Description/Summary of Test:User draws in a respective color or erases
- Pre-condition: In shared notepad
- Expected Results: All users see the drawing in its respective color or erases
- Actual Result: All users saw the drawing in its respective color appear or erase
- Status (Fail/Pass): Pass

Visual User Guide

Interactive Meeting Space

Meeting Id: 1Oe4J-D_L8zgrcn_f-u9-LGo6-bZcLi4

SHARED NOTEPAD

PERSONAL NOTEPAD

POWERPOINT



User!

User 2.

Interactive Meeting Space

Meeting Id: 1Oe4J-D_L8zgrcn_f-u9-LGo6-bZcLi4

SHARED NOTEPAD

PERSONAL NOTEPAD

POWERPOINT



User!

User 2.