

HTL WIENER NEUSTADT

NVS PROJECT

Paint - sharing art is fun

Nico Kratky

June 8, 2017

1 Procedure

Paint is a web application that allows connected users to paint collaboratively. When the page is accessed the user is prompted to enter a username, which defaults to a random GUID (Globally Unique Identifier). If the user enters an invalid username, the whole process is repeated. After this, a random color is assigned to said user. This color can be changed via a command afterwards. Now the user is ready to draw. This can be done by clicking and dragging the left mouse button.

Under the drawing canvas there is a box which displays the current color, and a textbox that is used to enter commands.

2 Commands

- */reset* Alle Zeichnungen werden gelöscht
- */color HEXCODE* Die aktuelle Farbe wird auf *HEXCODE* gesetzt
- */users* Gibt eine Liste aller verbundenen Users aus

If the entered text does not match a command, it is interpreted as a message and broadcasted to other connected clients.

3 Division

Nico Kratky - Server

Nico Kratky - Client

4 Protocol

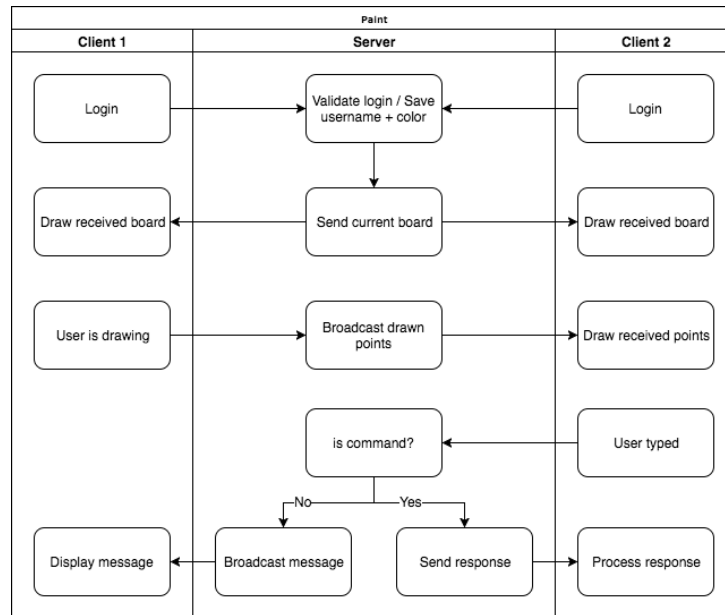


Figure 1: Protocol used by paint